

# labbox

lab life made easy

20 YEARS MAKING LAB LIFE EASY

2026

international edition

**Labbox: Leading the transformation of laboratory supply since 2005**

Over the past 20 years, Labbox has transformed the laboratory supply sector in Spain, standing out as the fastest-growing company in the field.

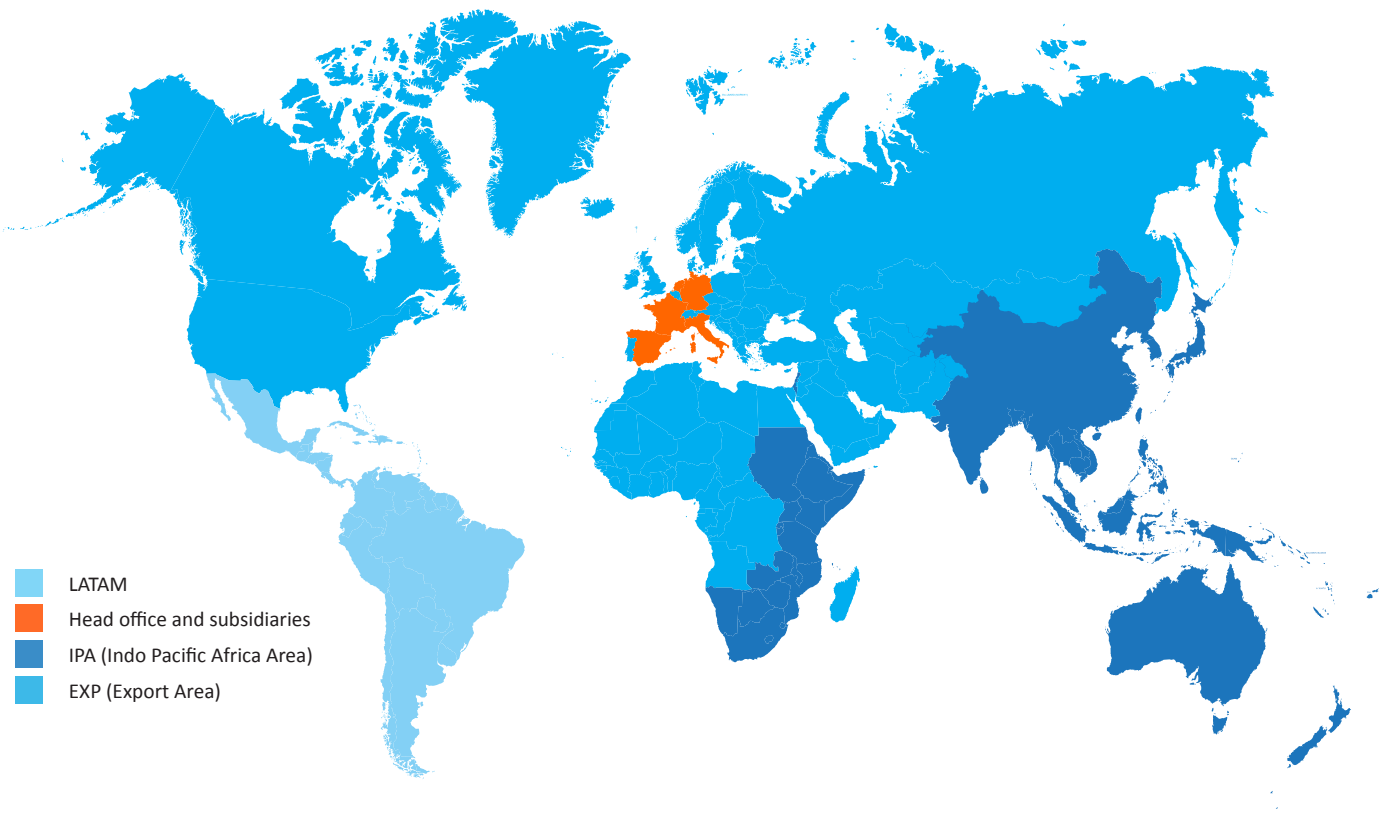
Driven by our vision to evolve into a truly global company, capable of meeting the needs of laboratories worldwide and leading in the efficient, competitive supply of products, we began our international expansion in 2009 with the opening of our first subsidiary in France.

Today, Labbox also operates branches in Italy, the Netherlands, and Germany. To support our global ambitions, we collaborate with an outstanding network of distributors, enabling our products to reach more than 50 countries and nearly 18,000 customers over the past two decades.

With a team of more than 80 professionals, we continue to grow and strengthen our international presence.

If you would like to find an official Labbox distributor in your country, please visit our website at www.labbox.eu.

As part of our commitment to remaining a leading global supplier of laboratory materials and equipment, we are always looking for new distributors to help us expand our sales network. If you are interested in representing us in your country, please do not hesitate to contact us through our corporate website www.labbox.com, where you can also learn more about us.



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# ABOUT
# LABBOX

**20 years *making lab life easy***

Labbox was founded in Barcelona at the end of 2005 with a clear goal: to make laboratory work easier by offering competitively priced products, fast delivery and a satisfaction guarantee or refund policy. Since then, those three principles, fairness, speed and trust, have remained the driving force behind everything we do.

From that very first catalogue in 2006, featuring just 200 laboratory glassware items, we have grown into a leading brand in the sector with over 6,000 products, organised across 15 specialised in-house brands.

Today, Labbox is an international company with subsidiaries in France, Italy, the Netherlands and Germany. We are also represented by an international network of distributors in more than 50 countries, enabling us to supply consumables, chemicals and small equipment to laboratories, schools, universities, government institutions and industries worldwide.

As we celebrate our 20th anniversary, we look back with pride and ahead with the same enthusiasm and vision that have guided us from the very beginning: to be a different kind of company, recognised for its excellence and close relationship with customers.

Because beyond the numbers, what we truly celebrate is the trust of those who have believed in us. Together, we have built a solid, people-focused company that continues to grow and evolve.

Thank you for being part of our story.

To find out more about us, we invite you to visit our corporate website at www.labbox.com.



# OUR BRANDS

Labbox presents an extended catalogue of references that are integrated into 15 specialized own brands by fields, and easily identifiable in our catalogue thanks to their logos.



ELITEX — high-end equipment



Gquence — molecular biology



LYNX MICROSCOPES — microscopes



GRYNIA — cell culture



BRANCHIA — filtration



METRIA — test and measurement



lbx instruments — small lab equipemt



clink — metalware



labkem — chemical products



bb — lab essentials



Epibox — safety products



EASY — liquid handling



astiK's — plasticware



HDN ceramics — porcelainware



LBG — glassware

# WHAT'S NEW 2026

NEW

For easy distinction, the new references are marked in orange along with the 'New' logo.

**Elitex represents a new era in laboratory equipment, developed for those who seek precision, durability, and advanced technology in every experiment.**

With a robust, performance-oriented design, Elitex instruments are built to withstand intensive use, maintain the accuracy of results, and optimise daily efficiency. From magnetic stirrers and overhead stirrers to heating baths and centrifuges, each product integrates the latest technological innovations, ensuring reliability, stability, and ease of use.

3 new magnetic stirrers with digital display
2 new overhead stirrers with digital display
2 new heating baths with digital display
New range of electrophoresis systems
5 new centrifuges
1 new thermal cycler

ELITEX



LYNX MICROSCOPES



**New LYNX instruments: more options for every need**

LYNX continues to grow, making advanced microscopy accessible to an even wider range of users. The range expands with higher-level instruments, including the Quantum Pro biological microscopes, Vision+ petrographic microscopes, Quantum BM metallurgical microscopes, and the L100 stereomicroscopes.

These new models enable the brand to offer more specialised solutions for different fields of work, from education to professional environments that demand greater precision.

**See p. 66**

labkem



**Labkem expands its range of dehydrated culture media with new formulations** that strengthen the detection of key bacteria in microbiology. To the classic media such as MacConkey, XLD, TSA, and Sabouraud, new options are now added, including Hektoen, Salmonella-Shigella, and Potato Dextrose, offering more alternatives for the isolation of Enterobacteria, Staphylococcus, and fungi, among others.

These additions provide greater choice and versatility for microbiology testing; from routine analyses to more specialised applications.

**See p. 48-58**

## New METRIA Touch analytical balance and thermal printer for balances

METRIA

The most complete solution for your laboratory. The new METRIA Touch analytical balance combines precision, reliability, and versatility with a 7" detachable touchscreen, intuitive menus, and advanced functions such as density calculation. Multi-user management and automatic internal calibration ensure fast and accurate operation.

Complete your setup with the METRIA thermal printer, compact, fast, and perfectly integrated or the new density determination kit for solids and liquids, compatible with the TOUCH and PLUS analytical balance series.

**See p. 258, 267**



clink



## CLINK expands its range with PTFE-coated tools

CLINK expands its range with PTFE-coated tools, designed for maximum durability and chemical resistance in laboratory use. The collection includes straight dissection forceps, fine-tip and curved forceps, a reagent transfer spatula, and a sampling spoon.

The PTFE coating provides excellent protection against corrosion and makes cleaning easier, making these tools ideal for handling samples in environments with aggressive reagents ensuring a long service life.

**See p. 180**

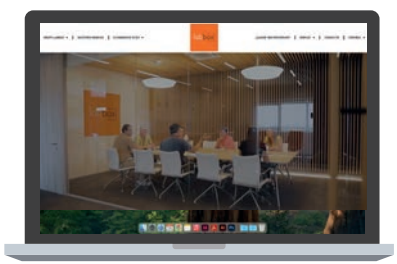
2 years
WARRANTY

## Now with a minimum 2-year warranty on all instruments!

At Labbox, we continue to improve to offer you greater confidence and peace of mind.

From now on, all instruments that previously carried a 1-year warranty will have their coverage extended to 2 years, no exceptions.

Currently, new products are added to our portfolio progressively throughout the year, and can be viewed on our website www.labbox.eu



CORPORATE WEBSITE
DISCOVER IT
www.labbox.com

# HOW TO PLACE
# AN ORDER?

1. Visit our website
2. Create your own account
3. Acces our catalogue
4. Fill your basket
5. Choose the payment method
6. You will receive an email with the order confirmation and a second email with the shipping dates
7. Access the tracking of your order in the email that you will receive when the order is on its way

Option to generate a quotation before sending your order

In addition to the possibility of tracking your order, in the tracking email you will also find the delivery note of your purchase and important information regarding the products of the shipment

In some markets we sell our products through distributors to serve you more closely and effciently. In these cases, you should contact our partners to purchase the products of this catalogue. At our website you will find the contact of your nearest distributor



**Place your order 24/7 at our website**

Check products, characteristics and stock
Orders and quotes online
Incidence Management and Resolution
Technical queries and FAQ

## PICTOGRAM GUIDE

- Requires cold transportation
- Product of short shelf life, please read carefully the information about the expiry date on the label
- Food-grade product
- May require a declaration of use depending on the destination country
- Suitable for photo-sensitive samples
- DNasa and RNasa free
- Sterile by gamma radiation
- Available in standard size and economy size
- Bulky item. Please ensure that access and delivery areas allow for proper receipt and handling.
- Autoclavability
- Complies with the specifications defined in the European directive
- Complies with the European Directive of In Vitro Diagnostic Devices
- Product made of borosilicate glass with high chemical resistance and low reactivity
- Product made of soda-lime glass with moderate chemical resistance
- Sterile by Ethylene Oxide
- Sterile by beta radiation
- Bisphenol A (BPA) and phthalate-free product
- Warranty of 2, 3 or 5 years according to the icon, covering manufacturing or functional defects. Does not cover damage from misuse

## PACKAGING

- plastic bottle GL45
- plastic bottle
- glass bottle GL45
- glass bottle
- plastic dropper bottle
- plastic ampoule
- aluminium container
- plastic twin neck
- Bag in Box PET/Al
- glass bottle PP28
- metal can
- glass dropper bottle
- specimen container
- plastic jerrycan
- COEX plastic bottle
- plastic Bag
- COEX plastic jerrycan
- plastic pail
- vial
- bag
- zipper bag
- plastic dispenser bottle
- plastic spray
- fglass bottle GL38

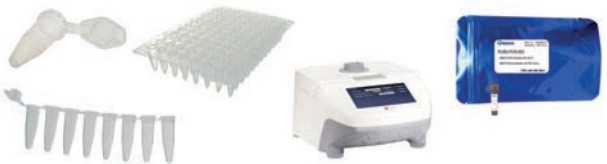
## LIFE SCIENCE

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We did our utmost to accurately define, through photographs, drawings, measurements and descriptions, all the products of this catalogue. Nevertheless, all the data, both graphics and descriptions, must be considered as approximative; they shall not constitute a written contract between Labbox Labware S.L and its clients.




labbox

# LIFE SCIENCE



## CULTURE FLASKS, TREATED, STERILE

Manufactured with USP VI crystal class virgin polystyrene in a 100000 grade clean room. Treated surface. Flat base which is free from striation to maximize the usable growth area. Polyethylene cap available in two versions: blind standard cap for closed systems and vented cap with a 0,22 µm hydrophobic membrane to allow gas exchange minimizing the risk of cross contamination. Angled neck design to improve access of pipettes and cell scrapers. Engraved graduation on both sides and writing area next to the neck. Sterilized by beta irradiation and certified free of DNase, RNase and pyrogens. Packed in resealable bags. Free sterilization certificate available on the website

| reference | volume (ml) | growth area ($cm^2$) | stopper | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CCFP-S25-200 | 25 | 12,5 | standard | 200 | |
| CCFP-V25-200 | 25 | 12,5 | vent | 200 | |
| CCFP-S50-200 | 50 | 25,0 | standard | 200 | |
| CCFP-V50-200 | 50 | 25,0 | vent | 200 | |
| CCFP-25S-100 | 250 | 75,0 | standard | 100 | |
| CCFP-25V-100 | 250 | 75,0 | vent | 100 | |
| CCFP-60S-040 | 600 | 182,0 | standard | 40 | |
| CCFP-60V-040 | 600 | 182,0 | vent | 40 | |
| CCFP-85S-018 | 850 | 300,0 | standard | 18 | |
| CCFP-85V-018 | 850 | 300,0 | vent | 18 | |



## MULTILAYER CULTURE FLASKS, STERILE

Manufactured with transparent high-quality polystyrene. 5 layers with treated surface for maximizing cell adherence. Polyethylene cap available in two versions: blind standard cap for closed systems and vented cap with a 0,22 µm hydrophobic membrane to allow gas exchange minimizing the risk of cross contamination. Sterilized by beta irradiation and certified free of DNase, RNase and pyrogens. Packed in resealable bags. Free sterilization certificate available on the website

| reference | growth area ($cm^2$) | stopper | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CCML-87S-008 | 870 | standard | 8 | |
| CCML-87V-008 | 870 | vent | 8 | |







## CULTURE MULTIWELL PLATES, TREATED, STERILE

Manufactured with USP VI crystal class virgin polystyrene in a 100000 grade clean room. Treated surface. Uniform volume and growth surface in all wells. Smooth well surface which is free from striation to maximize the usable growth area. Wells are labeled with alphanumeric code for easy identification. Sterilized by beta irradiation and certified free of DNAse, RNAse and pyrogens. Lids included. Packed in individual bags. Free sterilization certificate available on the website

| reference | wells | working vol. (ml) | growth area ($cm^2$) | bottom | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CCPP-006-100 | 6 | 1,90-2,90 | 9,60 | flat | 100 | |
| CCPP-012-100 | 12 | 0,76-1,14 | 3,85 | flat | 100 | |
| CCPP-024-100 | 24 | 0,38-0,57 | 1,93 | flat | 100 | |
| CCPP-048-100 | 48 | 0,19-0,29 | 0,83 | flat | 100 | |
| CCPP-096-100 | 96 | 0,075-0,20 | 0,33 | flat | 100 | |
| CCPP-U96-100 | 96 | 0,075-0,20 | 0,58 | U-shaped | 100 | |

## CULTURE DISHES, TREATED, STERILE

GRYNIA
FREE
β STERILE

Manufactured with USP VI crystal class virgin polystyrene in a 100000 grade clean room. Treated surface. Smooth surface which is free from striation to maximize the usable growth area. Sterilized by beta irradiation and free of DNase, RNase and pyrogens. Lids included. Packed in resealable bags of 10 units. Free sterilization certificate available on the website



| reference | $Ø_{base}$ (mm) | $Ø_{lid}$ (mm) | h with lid (mm) | growth area ($cm^2$) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CCDP-035-960 | 32,8 | 37,8 | 12,5 | 8,5 | 960 | |
| CCDP-060-600 | 52,0 | 58,8 | 17,8 | 21,2 | 600 | |
| CCDP-100-300 | 87,8 | 95,6 | 22,0 | 60,8 | 300 | |

## ERLENMEYER FLASK FOR CELL CULTURE, STERILE

GRYNIA
FREE
β STERILE

Ideal for shaking cell culture applications. All formats include a vent-type HDPE cap with a 0.22µm hydrophobic filter. The plastic material is very resistant and allows an optimal visualization of the interior. Engraved graduation on the side of the flask. Sterilized by beta irradiation and certified free of DNase, RNase and pyrogens. Packed in resealable bags. Free sterilization certificate available on the website



| reference | capacity | composition | pcs/ pack | price/ pack |
|---|---|---|---|---|
| EFCC-125-024 | 125 ml | PETG | 24 | |
| EFCC-250-012 | 250 ml | PETG | 12 | |
| EFCC-500-012 | 500 ml | PETG | 12 | |
| EFCC-1K0-024 | 1000 ml | PETG | 24 | |

## MEDIA BOTTLES

GRYNIA
FREE
β STERILE

Withstand temperatures from-80 °C up to +60 °C. Cap in HDPE. Fully transparent. Reduced permeability to $CO_2$ and $O_2$, molded graduations for precision, and free of DNase/RNase and pyrogens. Sterilized by irradiation with a SAL of $10^{-6}$ (ISO11137) and manufactured in a class 100,000 clean room environment, adhering to ISO13485 and ISO9001 quality management standards. Free sterilization certificate available on the website



| reference | capacity | pcs/ pack | price/ pack |
|---|---|---|---|
| MDBT-125-024 | 125 ml | 24 | |
| MDBT-250-024 | 250 ml | 24 | |
| MDBT-500-024 | 500 ml | 24 | |
| MDBT-1K0-024 | 1000 ml | 24 | |

## VACUUM FILTER CUP FOR TUBES, STERILE

GRYNIA
FREE
β STERILE

Used for the filtration of culture media and other biological fluids. Upper cup made of PS, central neck and lid made of polypropylene. Compatible with 50 ml centrifuge tubes. Maximum usage temperature: 45 °C. Sterilized by beta irradiation and free of DNase, RNase and pyrogens. Lids included. Packaged in individual bags. Free sterilization certificate available on the website



| reference | pore (µm) | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| PES Membrane | | | | | |
| TVPE-152-024 | 0,22 | 150 ml | PES | 24 | |
| TVPE-154-024 | 0,45 | 150 ml | PES | 24 | |
| PVDF Membrane | | | | | |
| TVPV-152-024 | 0,22 | 150 ml | PVDF | 24 | |
| TVPV-154-024 | 0,45 | 150 ml | PVDF | 24 | |




## VACUUM FILTRATION UNITS, STERILE

Used for the filtration of culture media and other biological fluids. Collection bottle, upper cup, and lid made of PES, central neck and PP stopper. Maximum usage temperature: 45 °C. Sterilized by beta irradiation and free of pyrogens. Packaged in individual bags. Free sterilization certificate available on the website

| reference | pore (µm) | volume (ml) | membraneØ (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| PES Membrane | | | | | | |
| VFPE-152-012 | 0,22 | 150 | 50 | PES | 12 | |
| VFPE-154-012 | 0,45 | 150 | 50 | PES | 12 | |
| VFPE-252-012 | 0,22 | 250 | 50 | PES | 12 | |
| VFPE-254-012 | 0,45 | 250 | 50 | PES | 12 | |
| VFPE-502-012 | 0,22 | 500 | 75 | PES | 12 | |
| VFPE-504-012 | 0,45 | 500 | 75 | PES | 12 | |
| VFPE-1K2-012 | 0,22 | 1000 | 91 | PES | 12 | |
| VFPE-1K4-012 | 0,45 | 1000 | 91 | PES | 12 | |
| PVDF Membrane | | | | | | |
| VFPV-152-012 | 0,22 | 150 | 50 | PVDF | 12 | |
| VFPV-154-012 | 0,45 | 150 | 50 | PVDF | 12 | |
| VFPV-252-012 | 0,22 | 250 | 50 | PVDF | 12 | |
| VFPV-254-012 | 0,45 | 250 | 50 | PVDF | 12 | |
| VFPV-502-012 | 0,22 | 500 | 75 | PVDF | 12 | |
| VFPV-504-012 | 0,45 | 500 | 75 | PVDF | 12 | |
| VFPV-1K2-012 | 0,22 | 1000 | 91 | PVDF | 12 | |
| VFPV-1K4-012 | 0,45 | 1000 | 91 | PVDF | 12 | |





## CELL STRAINER

Made of a strong nylon mesh with evenly spaced mesh pores. The extended lip on the strainer enables aseptic handling with forceps. Designed to fit standard 50 ml conical tubes. Individually packaged, sterilized by beta irradiation. DNase and RNase free, non-pyrogenic. Free sterilization certificate available on the website

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CEST-040-050 | blue, pore 40 µm | 50 | |
| CEST-070-050 | white, pore 70 µm | 50 | |
| CEST-100-050 | yellow, pore 100 µm | 50 | |
| Pestle | | | |
| CEST-PES-100 | pestle, light green | 100 | |



## CELL SCRAPERS, STERILE

Two blade positions: “scraper” and “lifter”, made of thermoplastic elastomer (TPE). Flexible ABS handle, specially designed to collect cells without damaging. Sterilized by beta irradiation and certified free of DNase, RNase and pyrogens. Packaged in individual bags. Free sterilization certificate available on the website

| reference | blade width (mm) | $l_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CSCP-025-100 | 20 | 250 | 100 | |
| CSCP-039-100 | 20 | 390 | 100 | |

## CELL LIFTER

GRYNIA
FREE
β STERILE

Used to collect cells from a culture plate and or to eliminate cell layers. Polyethylene material. The one-piece design and the chiselled blade provide improved control while minimizing damage to cells. Sterilized by beta irradiation, non-pyrogenic. Packed in individual bags. Free sterilization certificate available on the website



| reference | $l_{total}$ (mm) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CELI-023-100 | 234 | white, sterile | 100 | |

## POLYSTYRENE SEROLOGICAL PIPETTE, STERILE

GRYNIA
FREE
β STERILE

Made of crystal polystyrene and with color coded ring for quick volume identification. Sterilized by beta irradiation. Non-pyrogenic. Packed individually in paper/plastic bag (peel-pack). Cotton filter plug to protect pipetting devices. Graduations are calibrated for accurate dispensing within ±2%. Normal graduation (zero on top). Carton has been specially designed for efficient bench top dispensing with a removable perforated front panel. Free sterilization certificate available on the website



| reference | capacity | graduation (ml) | color code | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| MPIP-J01-500 | 1 ml | 0,01 | yellow | 500 | |
| MPIP-J02-500 | 2 ml | 0,02 | green | 500 | |
| MPIP-J05-200 | 5 ml | 0,1 | blue | 200 | |
| MPIP-J10-200 | 10 ml | 0,1 | orange | 200 | |
| MPIP-J25-150 | 25 ml | 0,2 | red | 150 | |
| MPIP-J50-100 | 50 ml | 0,5 | purple | 100 | |

## TISSUE GRINDER, PTFE

GRYNIA
121°

Used for the controlled reduction of particle size and homogenization of a variety of substances, especially biological material. The plunger head is made of pure PTFE and the shaft of stainless steel (ø 6,5 mm). The tube is made of borosilicate glass and the clearance between the plunger head and tube is 0,15-0,25 mm wide. Volumes stated are working volumes with the plunger in place



| reference | volume (ml) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| TIGR-V02-001 | 2 | 120 | glass vessel | 1 | |
| TIGR-V05-001 | 5 | 135 | glass vessel | 1 | |
| TIGR-V10-001 | 10 | 150 | glass vessel | 1 | |
| TIGR-V15-001 | 15 | 155 | glass vessel | 1 | |
| TIGR-V30-001 | 30 | 175 | glass vessel | 1 | |
| TIGR-V50-001 | 50 | 195 | glass vessel | 1 | |
| TIGR-P02-001 | 2 | 230 | plunger | 1 | |
| TIGR-P05-001 | 5 | 235 | plunger | 1 | |
| TIGR-P10-001 | 10 | 270 | plunger | 1 | |
| TIGR-P15-001 | 15 | 270 | plunger | 1 | |
| TIGR-P30-001 | 30 | 270 | plunger | 1 | |
| TIGR-P50-001 | 50 | 270 | plunger | 1 | |

## Steristoppers®

### CELLULOSE STOPPERS, STERILIZABLE



Disposable. Designed to close culture and microbiological samples, sample tubes, erlenmeyers, ... Will fit perfectly into the mouth of the container. Sterilizable up to 200 °C. Air permeable

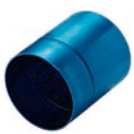
| reference | number | for containers with inner-Ø | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SSTO-08P-100 | 8P | 7,5 - 10,5 mm | 100 | |
| SSTO-009-100 | 9 | 10,5 - 11,5 mm | 100 | |
| SSTO-09P-100 | 9P | 9,0 - 10,5 mm | 100 | |
| SSTO-010-100 | 10 | 9,5 - 11,5 mm | 100 | |
| SSTO-011-100 | 11 | 12,0 - 14,5 mm | 100 | |
| SSTO-012-100 | 12 | 11,5 - 13,5 mm | 100 | |
| SSTO-013-100 | 13 | 12,5 - 14,5 mm | 100 | |
| SSTO-014-100 | 14 | 13,0 - 14,5 mm | 100 | |
| SSTO-015-100 | 15 | 13,5 - 15,5 mm | 100 | |
| SSTO-018-100 | 18 | 17,5 - 18,5 mm | 100 | |
| SSTO-019-100 | 19 | 19,0 - 22,0 mm | 100 | |
| SSTO-026-100 | 26 | 26,0 - 27,0 mm | 100 | |
| SSTO-027-100 | 27 | 27,0 - 32,5 mm | 100 | |
| SSTO-029-025 | 29 | 29,5 - 31,0 mm | 25 | |
| SSTO-29K-025 | 29K | 26,0 - 27,0 mm | 25 | |
| SSTO-032-025 | 32 | 32,5 - 35,0 mm | 25 | |
| SSTO-036-025 | 36 | 35,5 - 39,5 mm | 25 | |
| SSTO-037-025 | 37 | 37,5 - 41,5 mm | 25 | |
| SSTO-038-025 | 38 | 40,0 - 43,5 mm | 25 | |
| SSTO-40P-025 | 40P | 42,0 - 46,5 mm | 25 | |
| SSTO-45P-025 | 45P | 47,0 - 48,0 mm | 25 | |

## Labocap

### TEST TUBE CAPS







Used in microbiological, bacteriological and biotechnological laboratories. They are mainly used to protect the sample against external dirt, guaranteeing a sterilizable but non-hermetic seal. Made of high quality aluminum. Built-in spring made of nickel-plated steel that gives an excellent adhesion to the tube and ensures the required air flow

| reference | $Ø_{tube}$ (mm) | color | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CFTT-012-010 | 12/13 | red | 10 | |
| CFTT-S12-010 | 12/13 | silver | 10 | |
| CFTT-B12-010 | 12/13 | blue | 10 | |
| CFTT-015-010 | 15/16 | red | 10 | |
| CFTT-S15-010 | 15/16 | silver | 10 | |
| CFTT-B15-010 | 15/16 | blue | 10 | |
| CFTT-017-010 | 17/18 | red | 10 | |
| CFTT-S17-010 | 17/18 | silver | 10 | |
| CFTT-B17-010 | 17/18 | blue | 10 | |
| CFTT-019-010 | 19/20 | red | 10 | |
| CFTT-S19-010 | 19/20 | silver | 10 | |
| CFTT-B19-010 | 19/20 | blue | 10 | |
| CFTT-024-010 | 24/26 | red | 10 | |
| CFTT-S24-010 | 24/26 | silver | 10 | |
| CFTT-B24-010 | 24/26 | blue | 10 | |

## PCR MICROTUBE *PREMIUM LINE*

Thin wall tube for PCR, optimized for all thermocyclers models. Human DNA free and certified DNAse, RNAse and PCR-inhibitors free. Natural colour

astiK's

| reference | capacity | type | pcs/pack | price/pack |
|---|---|---|---|---|
| PCRD-F02-1K0 | 0,2 ml | PCR flat lid | 1000 | |
| PCRD-F05-1K0 | 0,5 ml | PCR flat lid | 1000 | |



## PCR MICROTUBE

Made of high quality polypropylene

astiK's

| reference | capacity | type | pcs/pack | price/pack |
|---|---|---|---|---|
| PCRP-002-1K0 | 0,2 ml | for PCR, flat lid | 1000 | |
| "Saving package" | | | | |
| PCRP-002-20K | 0,2 ml | for PCR, flat lid | 20 x 1000 | |

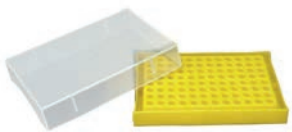


## PCR 0,2 ml MICROTUBE STORAGE BOX

Made of polypropylene. With transparent lid

astiK's

| reference | capacity | pcs/pack | price/pack |
|---|---|---|---|
| PBOX-Y96-001 | up to 96 tubes (8x12) 0.2 ml. Yellow color | 1 | |



## 96-WELL PCR/qPCR PLATES

Optimized for most thermocycler models. Made of polypropylene USP VI. Alphanumeric code. Human DNA free and certified DNase, RNase and PCR-inhibitors free

astiK's

| reference | capacity | type | pcs/pack | price/pack |
|---|---|---|---|---|
| PCRL-096-100 | 0,2 ml | PCR, natural colour, non-skirted | 10 x 10 | |
| PCRL-Q96-100 | 0,2 ml | qPCR, natural colour, semi skirted | 10 x 10 | |
| PCRL-N96-100 | 0,2 ml | qPCR, natural colour, sub-semi skirted | 10 x 10 | |
| PCRL-P96-100 | 0,1 ml | qPCR, natural colour, semi skirted | 10 x 10 | |
| PCRL-L96-100 | 0,1 ml | qPCR, natural colour, sub-semi skirted | 10 x 10 | |
| PCRL-W96-100 | 0,1 ml | qPCR, white opaque colour, semi skirted | 10 x 10 | |



## 384-WELL qPCR PLATES

Made of polypropylene USP VI. Alphanumeric code. Human DNA free and certified DNase, RNase, PCR-inhibitors, ATP and endotoxin free

astiK's

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PCRL-384-100 | full skirted, ABI & Bio-Rad type | 10 x 10 | |
| PCRL-W38-100 | full skirted, Roche & Bio-Rad type | 10 x 10 | |







astiK's

## PCR TUBE STRIPS

Strip of 8 tubes for PCR, optimized for all thermocycler models. Made of polypropylene USP VI. Human DNA free and certified DNase, RNase and PCR-inhibitors free. Natural colour. Packed in bags of 12 pcs each

| reference | capacity | type | pcs/pack | price/pack |
|---|---|---|---|---|
| PCRS-0S8-120 | 0,2 ml | cap strips included | 12 x 10 | |
| PCRS-0A8-120 | 0,2 ml | individual attached caps | 12 x 10 | |





astiK's

## qPCR TUBE STRIPS

Strip of 8 tubes for qPCR. Made of polypropylene USP VI. Human DNA free and certified DNase, RNase and PCR-inhibitors free. Includes optical strip caps in bags of 120 pcs

| reference | capacity | type | pcs/pack | price/pack |
|---|---|---|---|---|
| PCRS-8C1-120 | 0,1 ml | natural colour, frosted | 12 x 10 | |
| PCRS-8W1-120 | 0,1 ml | white colour, opaque | 12 x 10 | |
| PCRS-8U1-120 | 0,1 ml | natural colour, ultra clear | 12 x 10 | |
| PCRS-8C2-120 | 0,2 ml | natural colour, transparent | 12 x 10 | |
| PCRS-8W2-120 | 0,2 ml | white colour, opaque | 12 x 10 | |



astiK's

## 4 WELL qPCR TUBE STRIPS, NATURAL COLOUR, 252 PCS

Made of polypropylene USP VI. Thin wall for best heat transfer, evaporation rate below 5%. Human DNA free and certified DNase, RNase and PCR-inhibitors free. Packed in bags of 18 tube strips and 18 cap strips

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PCRS-QR4-252 | for Rotor-Gene Q | 14 x 18 | |



astiK's

## SEALING MEMBRANES FOR PCR/qPCR

Adhesive sealing membranes for 96-well plates. Human DNA free and certified DNAse, RNAse and PCR-inhibitors free. Evaporation rate below 5%. Temperature range from-40 °C to +120 °C

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| PCRF-PCR-100 | adhesive, for PCR plates | 100 | |
| PCRF-QPC-100 | adhesive, for qPCR plates | 100 | |
| PCRF-QPP-100 | pressure-sensitive, for qPCR plates | 100 | |
| PCRF-ALU-100 | adhesive, aluminium membrane for storage or PCR | 100 | |



astiK's

## SILICONE MAT FOR PCR/qPCR PLATES

Human DNA, DNase, RNase and PCR-inhibitors free. “+” openings in each well position

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| PCRF-ABI-010 | for 96-well plates | 10 | |
| PCRF-AB3-010 | for 384-well plates | 10 | |

## GRADIENT THERMOCYCLER, SPARK T96

ELITEX

Gradient thermal cycler designed for DNA and RNA amplification via polymerase chain reaction (PCR) and other temperature-sensitive molecular reactions. Supports 0.1/0.2 ml PCR tubes, 8-tube strips, and 96-well plates (except full-skirted). Block temperature range: 4–105 °C; heated lid: 30–110 °C. Temperature control accuracy: ±0.3 °C at 55 °C; uniformity: ±0.3 °C; resolution: ±0.1 °C. Max heating/cooling rate: up to 5 °C/sec. Gradient function from 30 to 105 °C with a thermal span of up to 42 °C for protocol optimization. 7" LCD touchscreen (800 x 480) with intuitive interface for cycle monitoring, program editing, and management of up to 676 files. Features height-adjustable heated lid with anti-evaporation function, auto-diagnosis at startup, power failure recovery, and compact design. Dimensions: 270 x 240 x 150 mm. Power supply: 100-240 V / 50-60 Hz. Warranty 2 years



| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| THCY-09G-001 | thermocycler Spark T96 | 1 | |

## SPIN COLUMN FOR NUCLEIC ACIDS

BRANCHIA

Designed for rapid purification of nucleic acids. Silica membrane that can reversibly select and effectively bind nucleic acids. The purified product can be used for the common assays such as restriction enzyme digestion, PCR, sequencing, in vitro transcription and cloning. Compatible with Qiagen and Invitrogen buffer solutions. Binding ability 45-50ug with a size fragment of 65 bp – 10 kbp



| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| SPIN-DNG-100 | for DNA | 100 | |
| SPIN-RNA-100 | for RNA | 100 | |
| SPIN-DNP-100 | for plasmid DNA | 100 | |

## ZERO DNA SOLUTION FOR CLEANING CONTAMINATING DNA AND RNA PARTICLES *SEE P. 360*

## MICROTITER TUBE STRIPS

astiK's

Ideal for a wide range of applications, such as immunoassays, agglutination, colorimetric assays, etc. PS material with optical transparency. Dimensions conform to ANSI/SBS microplate standard, compatible with standard and automated equipment. Sterilized by gamma irradiation. Free sterilization certificate available on the website



| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| MICP-008-060 | 8-well strip, flat-shape bottom | 60 | |
| MICP-CAP-010 | lid for 96 wells | 10 | |
| MICP-FRA-010 | frame for strips up to 96 wells | 10 | |

# COMPATIBILITY CHART FOR PCR / qPCR ASTIK'S STRIPS

| | Microtube strips | | | | | |
|---|---|---|---|---|---|---|
| | PCRS-8C1-120 | PCRS-8U1-120 | PCRS-8W1-120 | PCRS-8C2-120 | PCRS-8W2-120 | PCRS-QR4-252 |
| ABI | | | | | | |
| 7000 | | | | • | | |
| 7300 | | | | • | | |
| 7500 | | | | • | | |
| 7500Fast | • | | | | | |
| Stepone | • | | | | | |
| Stepone Plus | • | | | | | |
| ViiA7 Fast | • | | | | | |
| Vii7 | | | | • | | |
| 7900 | | | | • | | |
| 7900 fast | • | | | | | |
| Quantstudio 3 (0,1ml) | • | | | | | |
| Quantstudio 5 (0,1ml) | • | | | | | |
| Quantstudio 6 (0,1ml) | • | | | | | |
| Quantstudio 6 pro (0,1ml) | • | | | | | |
| Quantstudio 7 (0,1ml) | • | | | | | |
| Quantstudio 7 pro (0,1ml) | • | | | | | |
| Quantstudio 12K (0,1ml) | • | | | | | |
| 3130, 3130XL (0,1ml) | • | | | | | |
| 3500, 3500XL (0,1ml) | • | | | | | |
| 3730, 3730XL(0,1ml) | • | | | | | |
| 3130xl | | | | • | | |
| 3500xl | | | | • | | |
| 3730xl | | | | • | | |
| seqstudio genetic analyzer | | | | • | | |
| Bio-Rad | | | | | | |
| CFX96 | | • | • | | | |
| CFX96 connect | | • | • | | | |
| CFX Opus 96 | | • | • | | | |
| CFX Opus 384 | | | | | | |
| Roche | | | | | | |
| LightCycler 96 | | | • | | | |
| LightCycler 480I & 480II | | | • | | | |
| Analytik Jena | | | | | | |
| qTOWER G | | | • | | • | |
| qTOWER G touch | | | • | | • | |
| qTOWER 84 | | | | | | |
| Qiagen | | | | | | |
| Rotor-GeneQ | | | | | | • |
| QIAquant | | | • | | • | |
| Stratagene | | | | | | |
| AriaMx | • | | | | | |
| Mx3005PM, Mx3000P | • | | | | | |

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# COMPATIBILITY CHART FOR PCR / qPCR ASTIK'S PLATES

| | 96-well plates | | | | | 384-well plates | |
|---|---|---|---|---|---|---|---|
| | PCRL-N96-100 | PCRL-Q96-100 | PCRL-L96-100 | PCRL-P96-100R | PCRL-W96-100 | PCRL-384-100 | PCRL-W38-100 |
| ABI | | | | | | | |
| 7000 | • | | | | | | |
| 7300 | • | | | | | | |
| 7500 | • | | | | | | |
| 7500Fast | | | • | | | | |
| StepOne Plus | | | • | | | | |
| ViiA7 Fast | | | | • | | | |
| ViiA7 | • | • | | | | | |
| Vii7 (384 well) | | | | | | • | |
| 7900 | • | • | | | | | |
| 7900 fast | | | • | • | | | |
| 7900 (384 well) | | | | | | • | |
| Quantstudio 3 (0,1ml) | | | • | • | | | |
| Quantstudio 5 (0,1ml) | | | • | • | | | |
| Quantstudio 6 (0,1ml) | | | • | • | | | |
| 3130, 3130XL (0,1ml) | | | • | • | | | |
| 3500, 3500XL (0,1ml) | | | • | • | | | |
| 3730, 3730XL(0,1ml) | | | • | • | | | |
| 3130xl (0,2ml) | • | • | | | | | |
| 3500xl (0,2ml) | • | • | | | | | |
| 3730xl (0,2ml) | • | • | | | | | |
| 3130xl (384 well) | | | | | | • | |
| 3500xl (384 well) | | | | | | • | |
| 3730xl (384 well) | | | | | | • | |
| seqstudio genetic analyzer | • | • | | | | | |
| Bio-Rad | | | | | | | |
| CFX96 | | | | • | • | | |
| CFX96 connect | | | | • | • | | |
| CFX Opus 96 | | | | • | • | | |
| CFX Opus 384 | | | | | | • | • |
| Roche | | | | | | | |
| LightCycler 96 | | | | | • | | |
| LightCycler 480I & 480II | | | | | • | | |
| LightCycler 480I & 480II (384 well) | | | | | | | • |
| Analytik Jena | | | | | | | |
| qTOWER G | | | | | • | | |
| qTOWER G touch | | | | | • | | |
| qTOWER 84 | | | | | | | • |
| Qiagen | | | | | | | |
| QIAquant | | | | | • | | |
| Stratagene | | | | | | | |
| AriaMx | | | | • | | | |
| Mx3005PM, Mx3000P | | | | • | | | |

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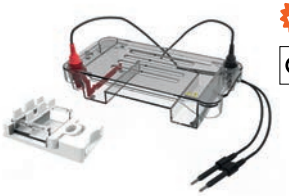


## MICROTITER PLATES

96-well plates available with different bottom shapes. Ideal for a wide range of applications, such as immunoassays, agglutination, colorimetric assays, spectrophotometry, etc. PS material with optical transparency. Alpha-Numeric codes for easy identification. Dimensions conform to ANSI/SBS microplate standard, compatible with standard and automated equipment. Individual packaging that includes sterile lids. Sterilized by gamma irradiation. Free sterilization certificate available on the website

| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| MICP-00U-100 | PS, U-shape bottom | 100 | |
| MICP-00V-100 | PS, V-shape bottom | 100 | |
| MICP-00F-100 | PS, flat-shape bottom | 100 | |

ELITEX



## HORIZONTAL ELECTROPHORESIS SYSTEM, VOLT H70

Horizontal tank for DNA separation in agarose gels. Manufactured from high-transparency polycarbonate with a detachable lid and electrodes. Supplied with gel tray and multiple combs (6- and 11-well, in 1.0 and 1.5 mm thicknesses). Compact design with ventilation slots and a safety feature that prevents reversed connections. Electrodes made of 99.99% platinum

| reference | capacity | gel dimensions (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ELFH-300-001 | 300 ml | 60 x 75 | 1 | |

ELITEX

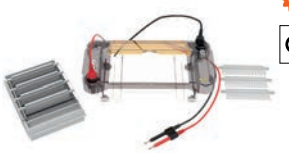


## HORIZONTAL ELECTROPHORESIS SYSTEM, VOLT H120

System adaptable to multiple gel formats (120 × 120 mm, 120 × 60 mm, 60 × 120 mm, 60 × 60 mm). Leak-proof polycarbonate construction with detachable lid and electrodes. Supplied with interchangeable trays and a wide range of combs (up to 25 wells). Ideal for the simultaneous processing of multiple samples

| reference | capacity | gel dimensions (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ELFH-700-001 | 700 ml | 60 x 60, 120 x 60, 120 x 120 | 1 | |

ELITEX



## HORIZONTAL ELECTROPHORESIS SYSTEM, VOLT H130

Designed for high-throughput DNA electrophoresis. Accommodates both large gels (130 × 200 mm) and small gels (130 × 150 mm). Includes lid with blue filter for light protection, adjustable leveling system, and detachable electrodes. Compatible with combs of up to 26 wells. Ideal for laboratories requiring precision and efficiency in genetic separations

| reference | capacity | gel dimensions (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ELFH-800-001 | 800 ml | 130 x 150, 130 x 200 | 1 | |

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LinkedIn

## "ALL-IN-ONE" SYSTEM FOR HORIZONTAL ELECTROPHORESIS, VOLT H-COMPACT

ELITEX

Compact horizontal electrophoresis system for nucleic acid analysis, integrating a 500 ml tank, gel trays, combs, and a digital power supply without the need for external cables. Operates in continuous or timed mode up to 99 h 59 min, with pause function, end-of-run alarm, and memory for previously used parameters. Includes 60, 65, and 130 mm trays and multi-well combs (up to 27 wells), compatible with various sample formats. Safe design with lid lock sensor to prevent leaks. Processes up to 112 samples per run. Dimensions: 245 x 190 x 63 mm. Output: 10-150 V / 10-400 mA. Power supply: 100-240 V / 50-60 Hz. Warranty 2 years

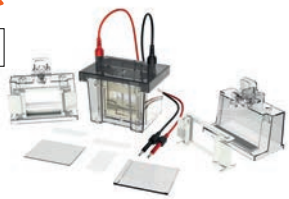


| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| ELFH-50V-001 | all-in-one system | 1 | |

## VERTICAL ELECTROPHORESIS SYSTEM, VOLT V80

ELITEX

Designed for vertical electrophoresis of small quantities of nucleic acid or protein samples. One-piece construction with silicone sealing. Allows simultaneous running of two gels (8.3 × 7.3 cm). Features auto shut-off when the lid is removed and safety connectors to prevent polarity errors. High-purity platinum electrodes (99.99%) for maximum conductivity. Compatible with the Volt T90 transfer system

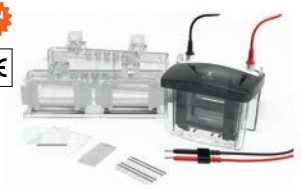


| reference | gel dimensions (mm) | number of gels | pcs/pack | price/pack |
|---|---|---|---|---|
| ELFV-V80-001 | 83 x 73 | 1 - 2 | 1 | |

## VERTICAL ELECTROPHORESIS SYSTEM, VOLT VX80

ELITEX

Robust vertical system for PAGE and SDS-PAGE. Supplied with glass plates featuring integrated gaskets to prevent gel leakage. Frame with cam-type locking system ensures precise alignment. Special combs designed not to interfere with gel polymerization. Capacity to run two gels simultaneously. Standard run time: 45 minutes at 200 V. Compatible with the Volt TX90 transfer system



| reference | gel dimensions (mm) | number of gels | pcs/pack | price/pack |
|---|---|---|---|---|
| ELFV-X80-001 | 83 x 73 | 1 - 4 | 1 | |

## TRANSFER SYSTEM, VOLT T90

ELITEX

Features a transfer area of 110 × 90 mm, enabling efficient transfer of two gels of up to 83 × 73 mm simultaneously. Constructed from impact-resistant transparent polycarbonate. Design with positive and negative electrodes separated by 4 cm for a strong electric field. Electrodes made of 99.99% platinum for optimal conductivity. Supplied with gel cassette and cooling system using ice or blue cooling module. Compatible with the Volt V80 model



| reference | transfer area | number of gels | pcs/pack | price/pack |
|---|---|---|---|---|
| ELFT-T90-001 | 90 x 110 mm | 1 - 2 | 1 | |



## TRANSFER SYSTEM, VOLT TX90

Compact system for protein transfer in gels of 83 × 73 mm. High-strength polycarbonate structure with integrated blue cooling module. Electrode spacing of 4 / 5.5 cm for efficient transfer. High-purity platinum electrodes. Supplied with anti-bubble roller and easy-open gel cassettes. Available in 2- or 4-gel models. Compatible with the Volt VX80 model

| reference | transfer area | number of gels | pcs/pack | price/pack |
|---|---|---|---|---|
| ELFT-X90-001 | 90 x 110 mm | 1 - 2 | 1 | |
| ELFT-X94-001 | 90 x 110 mm | 1 - 4 | 1 | |



## POWER SUPPLY FOR ELECTROPHORESIS, VOLT E600

Versatile and powerful power supply, ideal for gel electrophoresis, transfer (blotting), and other demanding applications. Equipped with an LCD touchscreen for easy programming and real-time monitoring. Capable of operating up to four electrophoresis systems simultaneously (4 current outputs) in constant voltage, current, or power modes. Includes protection against short circuits, no-load operation, and recovery after power failures. Stackable design with adjustable feet to save laboratory space. 100-140 V / 50-60 Hz. Warranty 2 years

| reference | dimensions (mm) | output intensity | output power | output voltage | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| ELFP-60L-001 | 310 x 260 x 115 | 0 - 600 V | 0 - 600 mA | 0 - 360 W | 1 | |



## UV TRANSILLUMINATOR

Professional UV transilluminator for observation and cutting of DNA or RNA gels after electrophoresis. Emits UV light at 302 nm, with a high-sensitivity filter panel and adjustable protective cover (0° to 180°) for user safety. Provides high intensity and fluorescence uniformity, ideal for faint bands. Includes cooling fan, cutting blade, and sealed housing to minimize contamination. Viewing area: 195 x 145 mm. Power: 6 tubes x 8 W. Dimensions: 335 x 265 x 120 mm. Power supply: 110-220 V / 50-60 Hz. Warranty 2 years

| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| TRLM-0UV-001 | UV tube transilluminator | 1 | |





## BLUE LIGHT LED TRANSILLUMINATOR

Blue light LED transilluminators for DNA/RNA gels, available in compact and larger formats. Designed for safe visualization of gels stained with non-toxic dyes (such as innoQ, SYBR Safe, GelGreen, etc.), they emit light at 470 nm without damaging samples or requiring protective glasses. They provide uniform illumination from below and feature a foldable amber filter for easy observation and band cutting. Equipped with long-lasting LED lighting, safe power-on system, and ergonomic design. The larger version also includes intensity control, automatic shut-off, and a mini darkroom with cutting blade. Multivoltage power supply (100–240 V). Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| TRLM-BLS-001 | working area 160 x 100 mm | 1 | |
| TRLM-BLB-001 | working area 210 x 120 mm | 1 | |

# REAGENTS AND KITS FOR MOLECULAR BIOLOGY

## TAQ POLYMERASE *x-VITA*

The x-VITA Taq DNA Polymerase is a thermostable recombinant enzyme produced in an E. coli strain, which carries the cloned pol gene from Thermus aquaticus. The enzyme has 5'→3' polymerase activity



| reference | description | package | price/pack |
|---|---|---|---|
| TAQP-S05-001 | 5U/µl, 250 rxn | 500 U | |

## MASTERMIX FOR PCR (2X) *x-VITA*

The x-VITA MasterMix is an optimized ready-to-use MasterMix that contains all PCR reaction components: dNTPs, PCR buffer, $MgCl_2$ and Taq DNA polymerase



| reference | description | package | price/pack |
|---|---|---|---|
| TAQM-S02-001 | primers and template not included, 250 rxn | 2 x 1,25 ml (250 rxn) | |

## HOT START TAQ POLYMERASE *x-VITA*

Specific, highly efficient and sensitive HotStart DNA Polymerase designed to minimize unspecific amplification, improving PCR specificity. It is bound to a proprietary antibody that blocks polymerase activity until a denaturation step occurs. The heat-labile antibodies are rapidly inactivated by raising the temperature. This minimizes primer-dimer and non-specific products. Before enzyme activation none of the enzyme activities are detectable



| reference | description | package | price/pack |
|---|---|---|---|
| TAQP-H01-001 | Hot Start, 5 U/µl, 250 rxn | 500 U | |

## HOT START TAQ POLYMERASE MASTERMIX *x-VITA*

x-VITA Hot Start Taq Polymerase MasterMix (2x) is an optimized ready-to-use solution containing x-VITA Hot Start Taq Polymerase (TAQP-H01-001), dNTPs, MgCl2 and stabilizers. It is inactive at Room Temperature and includes all material needed except Template and Primers



| reference | description | package | price/pack |
|---|---|---|---|
| TAQM-H01-001 | primers and template not included, 250 rxn | 2 x 1,25 ml | |

## GREEN-TAQ POLYMERASE *x-VITA*

x-VITA Green-Taq Polymerase is a pure, versatile and thermostable recombinant enzyme produced in an E. coli strain, which carries the cloned pol gene from Thermus aquaticus. The 10x Green Buffer contains an Agarose Loading Buffer including two tracking dyes (blue and yellow dye) for visual tracking of DNA migration and a dense compound to facilitate the drop-down of the samples into the well Agarose gels. Blue dye (migrates with 3 to 5 kb DNA fragments in 1% agarose gel) and Yellow dye (migrates faster than 10 bp DNA fragments in 1% Agarose gel)



| reference | description | package | price/pack |
|---|---|---|---|
| TAQP-SG5-001 | green buffer, 5 U/µl, 250rxn | 500 U | |



## MASTERMIX FOR PROOFREADING PCR (2X) *x-VITA*

Optimized ready-to-use solution containing x-VITA Taq Polymerase proofreading (TAQP-PF1-001), dNTPs, MgCl2 and stabilizers. It is inactive at Room Temperature and includes all material needed except Template and Primers

| reference | description | package | price/pack |
|---|---|---|---|
| TAQM-PF1-001 | primers and template not included, 100 rxn | 1 ml | |



## PCR MASTERMIX FOR LONG FRAGMENTS (2X) *x-VITA*

Optimized ready-to-use solution containing x-VITA Taq Polymerase for long fragments (TAQP-LT1-001), dNTPs, $MgCl_2$ and stabilizers. It is inactive at Room Temperature and includes all material needed except Template and Primers

| reference | description | package | price/pack |
|---|---|---|---|
| TAQM-LT1-001 | primers and template not included, 100 rxn | 1 ml | |



## DNTP MIX *x-VITA*

The x-VITA dNTP Mix offers high purity and stability for PCR assays. The ready-to-use solution includes each dNTP (dATP, dCTP, dGTP, dTTP) mixed at a final concentration of 10 mM or 40 mM

| reference | description | package | price/pack |
|---|---|---|---|
| DNTP-025-001 | 2,5 mM each nt, 10 mM total | 1 ml | |
| DNTP-040-001 | 10 mM each nt, 40 mM total | 1 ml | |



## MASTERMIX FOR qPCR (2X) WITH PROBE *qLUMEN*

The qLUMEN Probe MasterMix offers exceptional performance for real-time PCR. It is based on the TaqMan® Probe-based analysis. Includes all the components required for running qPCR reactions except for primers and template

| reference | description | package | price/pack |
|---|---|---|---|
| QPCR-PHR-001 | high ROX™, 100 rxn | 2 x 1,25 ml | |
| QPCR-PLR-001 | low ROX™, 100 rxn | 2 x 1,25 ml | |



## MASTERMIX FOR qPCR (2X) WITH GREEN DYE *qLUMEN*

The qLUMEN MasterMix with green dye offers exceptional performance for real-time PCR using an analogue green fluorescent dye to SYBR® Green. Includes all the components required for running qPCR reactions except for primers and template

| reference | description | package | price/pack |
|---|---|---|---|
| QPCR-GHR-001 | high ROX™, 100 rxn | 2 x 1,25 ml | |
| QPCR-GLR-001 | low ROX™, 100 rxn | 2 x 1,25 ml | |
| QPCR-GWR-001 | w/o ROX™, 100 rxn | 2 x 1,25 ml | |

## PCR PURIFICATION KIT *dNEAT*

The dNEAT PCR Purification Kit provides a highly efficient method to isolate and purify DNA from amplicons of reaction mixtures. The columns contain a membrane that allows DNA binding in presence of chaotropic salts and the removal of contaminants. The kit contains: Buffer A1, buffer A2, Washing solution and 50 columns

| reference | description | n° tests / pack | price/pack |
|---|---|---|---|
| PURK-PCR-050 | PCR DNA purification | 50 | |



## AGAROSE PURIFICATION KIT *dNEAT*

The dNEAT Agarose Purification Kit provides a highly efficient method to extract DNA from agarose gels. The columns contain a silica membrane that allows the binding of the DNA fragment in presence of chaotropic salts. The kit contains: Buffer A1, buffer A2, Washing solution and 50 columns

| reference | description | n° tests / pack | price/pack |
|---|---|---|---|
| PURK-AGA-050 | agarose gel DNA purification | 50 | |



## PLASMID PURIFICATION KIT *dNEAT*

dNEAT Plasmid Purification Kit provides a highly efficient and reliable method to isolate plasmid preparations in mini format. The columns' silica membrane allows the binding of up to 24 µg of DNA

| reference | description | n° tests / pack | price/pack |
|---|---|---|---|
| PURK-MIN-050 | isolation of plasmid minipreparations | 50 | |



## SALIVA DNA EXTRACTION MINI SPIN KIT *dNEAT*

Reliable, easy and rapid Mini Spin Kit for the purification of high-quality DNA from human and animal sample saliva. The kit is based in the DNA ability to bind silica in the presence of high concentrations of chaotropic salts

| reference | description | n° tests / pack | price/pack |
|---|---|---|---|
| PURK-SAL-050 | isolating total DNA fromisolation of total DNA from human sample saliva | 50 | |



## BLOOD DNA EXTRACTION KIT *dNEAT*

Reliable, easy-to-use and rapid method for high-quality genomic DNA purification from various sources, including: whole blood, buffy coat or cultured cells. The procedure includes: lysis, protein removal, DNA precipitation, washing and hydration

| reference | description | n° tests / pack | price/ pack |
|---|---|---|---|
| PURK-BLD-100 | for 5 or 10 ml samples | 100 | |





## BACTERIAL GENOMIC DNA ISOLATION KIT *dNEAT*

This purification kit provides an accurate, easy-to use and rapid method to isolate high quality DNA from both Gram negative and Gram positive bacteria. The kit uses breakthrough technology based in the ability to bind silica in the presence of high concentrations of chaotropic salts as guanidinium thiocyanate. The extraction process uses comfortable MiniSpin Columns and includes an initial cell-wall lysis step with the appropriate enzyme to ensure efficient cell lysis and DNA release from the cell

| reference | description | n° tests / pack | price/pack |
|---|---|---|---|
| PURK-BAC-050 | ideal for bacterial DNA isolation from cell pellets after culturing | 50 | |



## PLANT DNA EXTRACTION KIT *dNEAT*

Combines the CTAB method with column purification to obtain high-purity DNA from plant and fungal tissues. Replaces chloroform with a less toxic buffer (Buffer BDP) and uses an alcohol-free purification method based on guanidine salts, which effectively removes polysaccharides, polyphenols, metabolites, and RNA. The resulting DNA is suitable for PCR, SSR, AFLP, RAPD, and Southern blot

| reference | description | n° tests / pack | price/pack |
|---|---|---|---|
| PURK-PLN-024 | plant tissue extraction | 24 | |



## RNA EXTRACTION KIT *rNEAT*

Fast, efficient, and reliable solution for total RNA extraction from a wide range of samples. Uses column-based purification technology with a silica membrane and a lysis system with chaotropic salts that protect RNA from degradation. The entire process yields high-quality RNA, free from contaminants and enzymatic inhibitors, ready for applications such as RT-PCR, qPCR, Northern blot, nuclease protection assays, or cDNA library preparation

| reference | description | n° tests / pack | price/pack |
|---|---|---|---|
| PURK-RN2-050 | total RNA extraction | 50 | |



## TOTAL RNA TISSUE PURIFICATION KIT *rNEAT*

The rNEAT Tissue Total RNA Purification Kit provides a rapid and efficient method to isolate and purifiy RNA from tissue and culture cells. The columns contain a membrane that allows RNA binding in presence of chaotropic salts and the removal of contaminants. Tissue samples can be homogenized in a microcentrifuge tube using the provided micropestle

| reference | description | n° tests / pack | price/pack |
|---|---|---|---|
| PURK-RNA-050 | RNA purification from tissue samples | 50 | |



## PROTEINASE K

Proteinase K isolated from *Tritirachium album* is used for protease digestion during DNA and RNA preparation. It is a serine protease that exhibits broad cleavage specificity. With a molecular weight of 28.900 kDa, it cleaves peptide bonds adjacent to the carboxylic group of aliphatic and aromatic amino acids. It is not inactivated by chelating reagents such as EDTA or detergents such as SDS and is active in a wide range of pH (4- 12,5)

| reference | description | package | price/pack |
|---|---|---|---|
| PRTK-L01-100 | lyophilized powder, ≥30 mAU/mg protein | 100 mg | |
| PRTK-S01-001 | in solution, 20 mg/ml (20 µg/µl) | 1 ml | |

## RNASE INHIBITOR

RNase Inhibitor is a recombinant protein which specifically inhibits Ribonucleases A, B and C. The protein inhibits RNases by binding noncovalently in a 1:1 ratio with a potent affinity (ki >10-14 M). RNase inhibitor protein is purified from E.coli strain harbouring a plasmid with cloned gene coding of mammalian RNase inhibitor



| reference | description | package | price/pack |
|---|---|---|---|
| RNIN-001-2K5 | free of DNA exo- and endonuclease | 2500 U | |

## DNA STAIN FOR ELECTROPHORESIS *innoQ*

The innoQ Green DNA Gel Stain replaces toxic Ethidium Bromide (EtBr) for the visualization of double stranded DNA, single-stranded DNA, and RNA in agarose and polyacrylamide electrophoresis gel



| reference | description | package | price/pack |
|---|---|---|---|
| GDYE-001-500 | non-toxic, 20000X | 500 µl | |

## DNA MOLECULAR WEIGHT MARKER *OXGEN*

OXGEN DNA molecular weight markers are precise and highly stable, suitable for sizing DNA. They contain loading dyes with one or two migration visualisation dyes



| reference | description | package | price/pack |
|---|---|---|---|
| LADD-DN1-500 | 25 - 700 bp, 10 bands | 500 µl | |
| LADD-DN4-500 | 100 bp - 1 kb, 10 bands | 500 µl | |
| LADD-DN5-500 | 100 bp - 1,5 kb, 11 bands | 500 µl | |
| LADD-DN2-500 | 100 bp - 2 kb, 13 bands | 500 µl | |
| LADD-DN3-500 | 500 bp - 10 kb, 11 bands | 500 µl | |

## PROTEIN MOLECULAR WEIGHT MARKER *OXGEN*

OXGEN molecular weight markers for proteins are prestained, accurate, and highly stable standards, ideal for SDS-PAGE and Western Blot. They allow real-time monitoring of electrophoresis and clear identification of the protein of interest. Contain high-purity proteins with multicolor bands, visually comparable on gel. Compatible with Tris-Glycine and MOPS gel systems, depending on the reference



| reference | description | package | price/pack |
|---|---|---|---|
| LADD-PR2-250 | 15–180 kDa, 8 bands (Tris-Glycine) | 250 µl | |
| LADD-PR3-250 | 10–250 kDa, 10 bands (Tris-Glycine, MOPS) | 250 µl | |
| LADD-PR4-250 | 10–180 kDa, 10 bands (Tris-Glycine) | 250 µl | |
| LADD-PR5-250 | 10–250 kDa, 12 bands (Tris-Glycine) | 250 µl | |

## LAMBDA DNA HINDIII MARKER

The Hind III digest of lambda DNA yields 8 fragments suitable for use as molecular weight standards for agarose gel electrophoresis. λ DNA /Hind III is pre-mixed with loading buffer and is ready to use



| reference | description | package | price/pack |
|---|---|---|---|
| LMBD-H03-050 | ready-to-use | 50 µg | |



## LOADING BUFFER (6X) *OXGEN*

Pre-mixed loading buffer with tracking dyes for non-denaturing agarose and polyacrylamide gel electrophoresis. Dyes used include xylene cyanol, orange G, and bromophenol blue. Comes in 5 tubes, each containing 1 ml

| reference | description | package | price/pack |
|---|---|---|---|
| LDBF-00B-005 | bromophenol blue | 5 x 1 ml | |
| LDBF-00N-005 | orange G and xylene cyanol | 5 x 1 ml | |
| LDBF-003-005 | 3 dyes | 5 x 1 ml | |



## XTT CELL PROLIFERATION ASSAY KIT

The XTT Cell Proliferation Assay Kit is an optimized, accurate and sensitive colorimetric assay that detects the cellular metabolic activities. The viable cells reduce the salts to the highly coloured formazan dye

| reference | description | n° tests / pack | price/pack |
|---|---|---|---|
| XTTC-001-500 | colorimetric detection | 500 | |



## LUCIFERASE REPORTER ASSAY KIT

The Luciferase Reporter Assay Kit is an accurate and easy method for studying gene reporter regulation and function in transformed cell lines. The method consists of the oxidation of the luciferin by the enzyme. The kit contains: coenzyme A, ATP and luciferin

| reference | description | n° tests / pack | price/pack |
|---|---|---|---|
| LUCI-001-100 | from *Photinus pyralis* | 100 | |



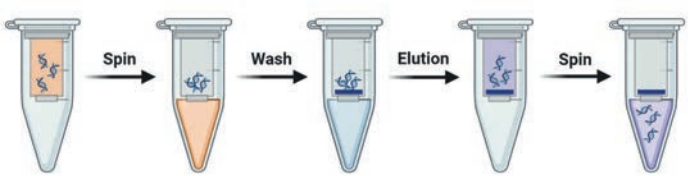
## RESAZURIN CELL VIABILITY ASSAY

The Resazurin Cell Viability Assay Kit is a ready-to-use fluorescent assay that detects cellular metabolic activity. Resazurin is a blue non-fluorescent dye until it is reduced by metabolically active cells. When reduced it becomes fluorescent pink

| reference | description | n° tests / pack | price/pack |
|---|---|---|---|
| RESC-001-2K5 | fluorescence assay | 2500 | |

### GQUENCE EXTRACTION AND PURIFICATION KITS

The dNEAT and rNEAT kits for isolating nucleic acids are based on the spin column method. This method is widely used in many nucleic acid purification kits and is very common in research and other laboratory fields. The main principle relies on nucleic acid binding to a solid surface, such as silica gel. Once the cellular lysate is eluted, addition of buffers with varying conditions, such as in pH or salt concentration, facilitate nucleic acid binding and removal of unwanted particles. Therefore, the obtained sample is purified thus ready to use in any downstream application, such as PCR, qPCR, NGS, Cloning, among others.



## EDTA - ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT DIHYDRATE

labkem

M.W.: 372.24 CAS: 6381-92-6 EC: 205-358-3 TARIC code: 29224985
IMDG: 6.1 III UN 2074 ADR: 6.1 III UN 2074 IATA: 6.1 III UN 2074

$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$



| EDTA - ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT DIHYDRATE | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Assay > 99%<br>pH (5%, 25°C) 4 - 5<br>Loss on dry. < 10.0%<br>DNases/RNases/Proteases free pass test<br>$Cl^-$ < 0.005%<br>$SO_4$ < 0.01% | As < 0.0005%<br>Cu < 0.001%<br>Fe < 0.001%<br>Pb < 0.001%<br>For molecular biology | EDTA-00B-500 | P | 500 g | |

## ACRYLAMIDE

labkem

M.W.: 71.08 CAS: 79-06-1 EC: 201-173-7 EC INDEX: 616-003-00-0 TARIC code: 29241900
UN: 2074 IMDG: 6.1 III UN 2074 ADR: 6.1 III UN 2074 IATA: 6.1 III UN 2074

$H_2C=CHCONH_2$



| ACRYLAMIDE GEN | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Assay > 99.9%<br>Insol. matter < 0.05%<br>Acryl. acid < 0.001% | $H_2O$ < 0.1%<br>For electrophoresis app. | ACAD-00B-1K0 | P | 1 kg | |

## LB AGAR (LENNOX)

labkem

| LB AGAR (LENNOX) GEN | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 6.8 - 7.2<br>Conc. of use 35g/L<br>Preparation:<br>Dissolve 35 gr on 1 L with heat and boil for 1 min until complete | dissolution.<br>Sterilize at 121°C for 15 min, cool to 45-50°C, mix well and dispense into plates.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | AGLB-00P-500 | P | 500 g | |

## LB (MILLER) AGAR

labkem

| LB AGAR (MILLER) GEN | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 6.8 - 7.2<br>Conc. of use 40g/L<br>Preparation:<br>Diss. 40 gr in 1 L of water w/heat and boil for 1 min until complete | dissol.<br>Sterilize at 121°C for 15 min, cool to 45-50°C, mix well and dispense into plates.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | AGLU-00P-500 | P | 500 g | |

## AGAROSE

labkem

CAS: 9012-36-6 EC: 232-658-1 TARIC code: 13023100

| AGAROSE D1 LOW EEO (ELECTROENDOSMOSIS) GEN | | LIFEKEM | reference | packaging | price/pack |
|---|---|---|---|---|---|
| App. White cream powder<br>Moisture <7%<br>pH solution 6.5 - 7.0<br>pH gel 6.5 - 7.0<br>Ash <0.4%<br>colour. (1.5%,450nm) <0.03 | Turb. (1.5%) <3NTU<br>Gel str. 1.5% >2500g/cm<br>Gel strength 1% >1200g/cm<br>SO4 <0.1%<br>Gel point (1.5%) 34.5 - 37.5°C<br>Melt. range (1.5%) 86.5 - 89.5°C | EEO 0.05 - 0.13<br>Applications:<br>DNA typing, Blotting.<br>Anal. and prep. gel electroph.<br>for nucl ac. >1000bp<br>Storage temp. 2 - 25°C | AGAR-D1L-500 | P 500 g | |
| AGAROSE E GEN | | LIFEKEM | reference | packaging | price/pack |
| App. White cream powder<br>Moisture < 7%<br>pH solution 6.75 - 6.95<br>pH gel 6.75 - 6.95<br>Ash < 0.45%<br>$SO_4$ < 0.15%<br>colour. (1.5%,450nm) < 0.032 | Turb. (1.5%) < 4NTU<br>Gel strength 1% > 1000g/cm²<br>Gel str. 1.5% > 2000g/cm²<br>Part. size (mesh 100) 28.5%<br>Gel point (1.5%) 34.5 - 37.5°C<br>Part. size (mesh 60 ASTM) 0.65%<br>Melt. range (1.5%) 86.5 - 89.5°C | Anal. Separ. < 1000bp<br>EEO 0.05 - 0.13<br>Applications:<br>Blotting<br>Sep. of nucl. ac. from 250bp to 23kb<br>Storage temp. 2 - 25°C | AGAR-E00-500 | P 500 g | |
| AGAROSE LM-SIEVE GEN | | LIFEKEM | reference | packaging | price/pack |
| App. White cream powder<br>Turb. (4%) < 8.00NTU<br>Moisture < 7%<br>pH solution 6.85 - 7.15<br>pH gel 6.85 - 7.15<br>Ash < 0.3%<br>Colour. (4%, 450nm) < 0.06 | Gel str. 4% > 1000g/cm<br>$SO_4$ < 0.12%<br>Part. size (mesh 100) 25.65%<br>Part. size (mesh 60 ASTM) 0.3%<br>Gel point (4%) < 35°C<br>Melt. point (4%) < 65°C<br>Anal. Separ. < 1000bp | EEO < 0.1<br>Applications:<br>Preparative electrophoresis, Fine resolution, In-gel applications.<br>Storage temp. 2 - 25°C | AGAR-LMS-100 | P 100 g | |
| AGAROSE MS-4 GEN | | LIFEKEM | reference | packaging | price/pack |
| App. White cream powder<br>Transp. (3%) < 6NTU<br>Moisture < 7%<br>pH solution 6.4 - 6.98<br>pH gel 6.4 - 6.98<br>Ash < 0.3%<br>Colour. (450nm) < 0.04 | Gel strength (3%) > 500g/cm<br>$SO_4$ < 0.11%<br>Melt. point (3%) < 76°C<br>Gel point (3%) < 31°C<br>Gel str. (5%) > 1000g/cm<br>Part. size (mesh 60 ASTM) 0.3%<br>Part. size (mesh 100) 25.25% | Anal. Separ. < 1000bp<br>EEO < 0.12<br>Applications:<br>Fine resolution, Protein electrophoresis.<br>Storage temp. 2 - 25°C | AGAR-MS4-100 | P 100 g | |

## ULTRAPURE WATER

labkem

TARIC code: 38229000 M.W.: 18.02 CAS: 7732-18-5 $H_2O$

| ULTRAPURE WATER (MOLECULAR BIOLOGY GRADE), GEN | LIFEKEM | reference | packaging | price/pack |
|---|---|---|---|---|
| Conductivity at 25 °C < 2µS/cm<br>pH 5.4 - 7.0pH<br>Filtered through a 0.3µ filter and tested for DNase-, RNase- & Protease activity.<br>Includes continuous deionization, reverse osmosis, ultraviolet light treatment, distillation, and 0.3µ filtration. | | ULTW-001-005 | 5 ml | |
| | | ULTW-001-100 | P 100 ml | |
| | | ULTW-001-1K0 | P 1 L | |

## LB (LENNOX) BROTH

labkem

TARIC code: 13023100

| LB BROTH (LENNOX) GEN | | LIFEKEM | reference | packaging | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and light-Beige.<br>If any changes phisically, discard product.<br>App. clear amber<br>pH (25°C) 6.8 - 7.2<br>Conc. of use 20g/L<br>Preparation: | Dissolve 20 gr on 1 L with heat until complete dissol.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | LBBR-00P-500 | P 500 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## LB (MILLER) BROTH

labkem

TARIC code: 13023100

| LB BROTH (MILLER) GEN | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowingand light-Beige.<br>If any changes phisically, discard product.<br>App. clear amber<br>pH (25°C) 6.8 - 7.2<br>Preparation:<br>Conc. of use 25g/L | Dissolve 25 gr on 1 L with heat until complete dissol.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | LUBR-00P-500 | P | 500 g | |

## TERRIFIC BROTH

labkem

TARIC code: 13023100

| TERRIFIC BROTH GEN | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and light-Beige.<br>If any changes phisically, discard product.<br>App. amber<br>pH (25°C) 7.0 - 7.4<br>Preparation:<br>Suspend 50.8 gr in 900ml, | add 4ml of glycerol and adjust to 1 L.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | TEBR-00P-500 | P | 500 g | |

## DIMETHYL SULFOXIDE

labkem

M.W.: 78.13 CAS: 67-68-5 EC: 200-664-3 TARIC code: 29309095

$(CH_3)_2SO$



| DIMETHYL SULFOXIDE GEN | | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|---|
| Assay > 99.5%<br>Free Acid < 0.001%<br>Non-Vol. Mat. < 0.001%<br>Phosphorous(P) < 0.00001%<br>Si < 0.00002%<br>$H_2O$ < 0.1% | Ca < 0.0001%<br>Cu < 0.00005%<br>Fe < 0.0001%<br>K < 0.00005%<br>Mg < 0.00005%<br>Na < 0.0002% | Pb < 0.00002%<br>Zn < 0.00002%<br>For Cell Biology | | DMSO-00B-100 | G | 100 ml | |

## FICOLL® 400

labkem

TARIC code: 39079190 M.W.: 400000 CAS: 26873-85-8

| FICOLL® 400 GEN | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. White to off-white<br>DNases/RNases/Proteases free | | FCOL-00B-010 | P | 10 g | |

## GLYCINE

labkem

M.W.: 75.06 CAS: 56-40-6 EC: 200-272-2 TARIC code: 29224985

$H_2NCH_2COOH$

| GLYCINE GEN | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Assay > 99.5%<br>pH 5.9 - 6.4<br>Loss on dry. < 0.1%<br>DNases/RNases/Proteases free<br>Other (Amino-ac.) < 0.1%<br>$NH_4$ < 0.02%<br>$Cl^-$ < 0.004% | $SO_4$ < 0.005%<br>As < 0.0001%<br>Fe < 0.0005%<br>Pb < 0.0005%<br>for electroph. and mol. biol. | | GLIC-00B-1K0 | P | 1 kg | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## IPTG

labkem

TARIC code: 38229000 M.W.: 238.3 CAS: 367-93-1

$C_9H_{18}O_5S$

| IPTG, GEN, 5G | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Purity (HPLC) > 99%<br>Melting point 110 - 114°C<br>Identity (IR) conforms to structure<br>Solubility soluble in water and methanol<br>Heavy metals (Pb) < 5ppm | 1,4-Dioxane not detected<br>pH (5% in water) 5 - 7<br>Water ($H_2O$) by Karl - Fischer < 1% | IPTG-005-001 | P | 5 g | |

## MAGNESIUM CHLORIDE HEXAHYDRATE

labkem

M.W.: 203.3 CAS: 7791-18-6 EC: 232-094-6 TARIC code: 28273100

$MgCl_2 \cdot 6H_2O$

| MAGNESIUM CHLORIDE HEXAHYDRATE GEN | LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Assay > 99.5%<br>pH 5 - 6.5<br>DNases/RNases/Proteases free<br>$H_2O$ 51 - 55%<br>$NH_4$ < 0.002%<br>$PO_4$ < 0.0005% | $SO_4$ < 0.002%<br>As < 0.0001%<br>Ba < 0.002%<br>Ca < 0.005%<br>Fe < 0.0005%<br>K < 0.001% | Mn < 0.0005%<br>Na < 0.001%<br>Pb < 0.0005%<br>For molecular biology | MGCH-06B-500 | P | 500 g | |

## LBZOL REAGENT

labkem

TARIC code: 38229000 CAS: 593-84-0 UN: 2810 IMDG: 6.1 II UN 2810 ADR: 6.1 II UN 2810
IATA: 6.1 II UN 2810

| LBZOL REAGENT, GEN | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Used in the extraction of DNA, RNA, and proteins. Contains guanidium thiocyanate | | TZOL-001-100 | P | 100 ml | |

## PONCEAU S RED SOLUTION

labkem

TARIC code: 38229000

| PONCEAU S RED SOLUTION GEN | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Comp.<br>For electrophoresis app.<br>Nueva linea Passes test<br>Qual. control Passes test | | PONC-S0B-250 | P | 250 ml | |

## TRIS-ACETATE-EDTA-BUFFER PH 8.5 (50X)

labkem

TARIC code: 38229000

| TRIS-ACETATE-EDTA-BUFFER PH 8,5 (50X) GEN | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Composition TRIS 2.0 mol/l EDTA 0.05 mol/l HAc 1 mol/l in | | TAEB-085-1K0 | P | 1 L | |

## TRIS-BORATE-EDTA-BUFFER PH 8.3 (10X)

labkem

TARIC code: 38229000

| TRIS-BORATE-EDTA-BUFFER PH 8,3 (10X) GEN | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Composition TRIS 1.0 mol/l EDTA 0.02 mol/l $H_3BO_3$ 1.0<br>For electrophoresis app. | | TBEB-083-1K0 | P | 1 L | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## TRIS (HYDROXYMETHYL) AMINOMETHANE

labkem

M.W.: 121.14 CAS: 77-86-1 EC: 201-064-4 TARIC code: 29221900

$NH_2C(CH_2OH)_3$



| TRIS(HYDROXYMETHYL) AMINOMETHANE GEN | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| App. clear, colourless<br>DNases/RNases/Proteases free passed<br>Assay > 99%<br>Abs. (260nm) < 0.03%<br>Nueva linea < 0.03%<br>Abs. (280nm) < 0.02% | Melt. range 168 - 173°C<br>pH (5%, 20°C) 10 - 11.5<br>Cu < 0.0001%<br>Fe < 0.0001%<br>Heavy metals (Pb) < 0.0001% | | TRIS-00A-250 | P | 250 g | |

## TWEEN® 20

labkem

TARIC code: 34029010 M.W.: 1227.72 CAS: 9005-64-5

| TWEEN® 20 GEN | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Density 1.095 - 1.105<br>Solub. in $H_2O$ > 100g/l<br>boiling p. > 100º C<br>For Biochem. | | TWEN-20B-100 | P | 100 ml | |

## UREA

labkem

M.W.: 60.06 CAS: 57-13-6 EC: 200-315-5 TARIC code: 31021019

$CH_4N_2O$

| UREA GEN | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Assay > 99.0%<br>pH 7.5 - 10.5<br>Heavy metals (Pb) < 0.001%<br>DNases/RNases/Proteases free<br>$Cl^-$ < 0.0005% | $SO_4$ < 0.001%<br>Fe < 0.0005%<br>for electroph. and mol. biol. | | UREA-00B-100 | P | 100 g | |

## X-GAL

labkem

TARIC code: 38229000 M.W.: 408.63 CAS: 7240-90-6

$C_{14}H_{15}BrClNO_6$



| X-GAL, GEN | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Assay (HPLC) > 98%<br>Purity (HPLC) > 99%<br>Purity (TLC) single spot<br>Water ($H_2O$) by Karl - Fischer < 1% | Identity (IR) conforms to structure<br>Solubility (5% w/v, DMF) soluble | | XGAL-001-001 | G | 1 g | |

## Ø55 mm POLYSTYRENE PETRI DISHES



Packed in a bag of 10 units, aseptic or sterilized by irradition. Free sterilization certificate available on the website

| reference | Ø base (mm) | h base (mm) | h with lid (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| PDIP-06N-1K2 | 55 | 12,9 | 14 | aseptic, without vents | 1200 | |
| PDIP-E6N-1K2 | 55 | 12,9 | 14 | sterile, without vents | 1200 | |
| PDIP-060-1K2 | 55 | 12,9 | 14,25 | aseptic, with 3 vents | 1200 | |
| PDIP-E60-1K2 | 55 | 12,9 | 14,25 | sterile, with 3 vents | 1200 | |

## Ø90 mm POLYSTYRENE PETRI DISHES



Packed in a bag of 20 units, aseptic or sterilized by irradition. Free sterilization certificate available on the website

| reference | Ø base (mm) | h base (mm) | h with lid (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| PDIP-09N-500 | 89 | 14,5 | 15,8 | aseptic, without vents | 500 | |
| PDIP-E9N-500 | 89 | 14,5 | 15,8 | sterile, without vents | 500 | |
| PDIP-090-600 | 89,14 | 13,8 | 14,8 | aseptic, with 8 vents | 600 | |
| PDIP-E90-600 | 89,14 | 13,8 | 14,8 | sterile, with 8 vents | 600 | |
| PDIP-091-500 | 89,14 | 13,8 | 14,8 | aseptic, with 3 vents | 500 | |
| PDIP-E91-500 | 89,14 | 13,8 | 14,8 | sterile, with 3 vents | 500 | |

## Ø90 mm POLYSTYRENE PETRI DISHES WITH 3 COMPARTMENTS



Packed in a bag of 20 units, aseptic or sterilized by irradition. Free sterilization certificate available on the website

| reference | Ø base (mm) | h base (mm) | h with lid (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| PDIP-093-500 | 88,85 | 14,72 | 15,15 | aseptic, with 3 vents | 500 | |
| PDIP-E93-500 | 88,85 | 14,72 | 15,15 | sterile, with 3 vents | 500 | |

## Ø100 mm POLYSTYRENE PETRI DISHES



Packed in a bag of 10 units, aseptic or sterilized by irradition. Free sterilization certificate available on the website

| reference | Ø base (mm) | h base (mm) | h with lid (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| PDIP-100-460 | 95,4 | 13,7 | 15,55 | aseptic, with 3 vents | 460 | |
| PDIP-10E-460 | 95,4 | 13,7 | 15,55 | sterile, with 3 vents | 460 | |

## Ø120 mm POLYSTYRENE PETRI DISHES



Packed in a bag of 10 units, sterilized by irradition. Free sterilization certificate available on the website

| reference | Ø base (mm) | h base (mm) | h with lid (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| PDIP-12E-320 | 121,3 | 14,5 | 16 | sterile, without vents | 320 | |

## Ø150 mm POLYSTYRENE PETRI DISHES

Packed in a bag of 10 units, sterilized by irradition. Free sterilization certificate available on the website

astiK's



| reference | $Ø_{base}$ (mm) | $h_{base}$ (mm) | h with lid (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| PDIP-15E-220 | 142,4 | 16,5 | 18 | 220 | |

## POLYSTYRENE RODAC CONTACT PLATE

Packed in a bag of 10 units, aseptic or sterilized by irradition. Contact plate for bacterial count in test surfaces. Free sterilization certificate available on the website

astiK's



| reference | $Ø_{base}$ (mm) | $h_{base}$ (mm) | h with lid (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| CPLP-060-500 | 68 | 6,4 | 11 | aseptic | 500 | |
| CPLP-E60-1K0 | 68 | 6,4 | 11 | sterile | 1000 | |
| CPSL-055-500 | 68 | 8,2 | 15 | lid with lock, aseptic | 500 | |
| CPSL-E55-1K0 | 68 | 8,2 | 15 | lid with lock, sterile | 1000 | |

## 120 X 120 mm POLYSTYRENE PETRI DISHES

Squared Petri dishes for antibiograms. Packed in bags of 20 aseptic petri dishes

astiK's



| reference | l (mm) | w (mm) | $h_{base}$ (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| PDIP-120-180 | 121,3 | 121,3 | 14,5 | aseptic, with 4 vents | 180 | |

## GLASS PETRI DISH

Made of soda-lime glass

LBG



| reference | $Ø_{base}$ (mm) | h (mm) | pcs/pack | price/pack |
|---|---|---|---|---|
| PDIN-060-020 | 60 | 15 | 20 | |
| PDIN-080-020 | 80 | 15 | 20 | |
| PDIN-100-020 | 100 | 20 | 20 | |
| PDIN-150-006 | 150 | 25 | 6 | |

## BOROSILICATE GLASS PETRI DISH

Made of borosilicate glass LBG 3.3

LBG



| reference | $Ø_{base}$ (mm) | h (mm) | pcs/pack | price/pack |
|---|---|---|---|---|
| PDI3-060-012 | 60 | 15 | 12 | |
| PDI3-080-010 | 80 | 15 | 10 | |
| PDI3-100-008 | 100 | 20 | 8 | |
| PDI3-150-006 | 150 | 30 | 6 | |

## PETRI DISH CARRIER RACK

Stainless steel rack for 60 Petri dishes of 90 mm diameter. The handle facilitates the transport of up to three parallel columns of stacked plates (3 x 20)

clink



| reference | dimensions (mm) | description | pcs/pack | price/pack |
|---|---|---|---|---|
| SOPE-003-001 | 340 x 110 x 380 | stainless steel, 3 columns | 1 | |



## INOCULATION LOOPS, CALIBRATED

Made of HIPS plastic. Hexagonal shaft with stripes. Free sterilization certificate available on the website

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| LOOH-E01-1K0 | 1 µl white color, sterile, 20 pcs/zip-lock pack | 1000 | |
| LOOH-E01-500 | 1 µl white color, sterile, 1 pc/peel pack | 500 | |
| LOOH-E10-1K0 | 10 µl dark blue color, sterile, 20 pcs/zip-lock pack | 1000 | |
| LOOH-E10-500 | 10 µl dark blue color, sterile, 1 pcs/peel pack | 500 | |



## SPREADERS

Sterile L spreader made of polystyrene with round finishing to avoid any damage on media surface. Free sterilization certificate available on the website

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| SPRP-L01-2K0 | L-shape, individually wrapped | 2000 | |
| SPRP-L05-2K0 | L-shape, 5 pcs/bag | 2000 | |
| SPRP-T01-2K0 | T-shape, individually wrapped | 2000 | |
| SPRP-T05-2K0 | T-shape, 5 pcs/bag | 2000 | |
| SPHK-020-2K0 | hook shape, 20 pcs/bag | 2000 | |
| SPHK-050-2K0 | hook shape, 50 pcs/bag | 2000 | |



## DIGRALSKY STAINLESS STEEL INOCULATING LOOP

With electrolytic surface treatment. Ideal for uniform cell spreading on culture media, offering durability and ease of use. Designed with a straight head, available in three sizes. Autoclavable

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| SPRS-A16-010 | 200 x 3 mm with 16 mm sides | 10 | |
| SPRS-A25-010 | 200 x 4 mm with 25 mm sides | 10 | |
| SPRS-A30-010 | 200 x 4 mm with 30 mm sides | 10 | |



## KOLLE HANDLE

Each handle is supplied with two inoculation loops (loop end 2,5 mm diameter)

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| KOLS-200-001 | 200 mm length + 2 Ni-Cr inoculation loops | 1 | |
| KOLS-290-001 | 290 mm length + 2 Ni-Cr inoculation loops | 1 | |
| Accessories | | | |
| KOLA-001-050 | loop end 2,5 mm diameter | 50 | |
| KOLA-002-050 | needle end | 50 | |
| KOLA-003-050 | lancet tip end | 50 | |

## INFRARED STERILIZER, S825/S825L

Safe and efficient device that sterilizes in just 5 - 7 seconds, without the need for an open flame, improving lab safety. Operates in anaerobic environments and is easy to clean. Maximum temperature of 825 °C ± 50 °C. Ideal for sterilizing objects with diameters up to 14 mm and 35 mm, with a heating time of 10 minutes. Warranty 2 years



| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| STER-825-001 | model S825, 150 W, for objects of Ø 14 mm, l. 150 mm | 1 | |
| STER-82L-001 | model S825L, 240 W, for objects of Ø 35 mm, l. 100 mm | 1 | |

## INFRARED STERILIZER, S850

Designed for sterilization of laboratory equipment like needles, tweezers and other small items at high temperatures and short sterilization time (5-7 seconds). Can also be used at lower temperatures and long sterilization time to prevent contamination. Temperature range: RT 20-850 °C. Maximum diameter of objects to sterilize: 15 mm. Warm-up time 12 min. Adjustable angle: 45-75°. Dimensions (L x W x H): 210 x 90 x 170 mm. 220 V / 50-60 Hz. Warranty 2 years



| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| STER-850-001 | infrared sterilizer LBX S850 series | 1 | |

## HAND TALLY COUNTER

4 digits counter. Up to 9999



| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| HCNT-001-001 | counter up to 9999 | 1 | |

## COLONY COUNTER, CC10

Compact and lightweight colony counter, designed for accurate counting of bacterial colonies in Petri dishes up to 118 mm in diameter. Features a 4-digit digital LED display (0–9999), high-sensitivity counting pen, and correction function to add or subtract counts due to error. Adjustable side lighting with low-energy circular fluorescent lamp enhances contrast and colony visibility on the plate. Includes a 90 mm magnifier with 3X and 6X zoom, and a counting plate with grid. Available in two versions: CC10 model powered by AAA batteries, and CC10E model with rechargeable lithium battery, ideal for mobile use or lab benches. Dimensions: 250 x 210 x 60 mm. Weight: 1 kg. Power consumption: 7 W. Power supply: 100-240 V / 50-60 Hz. Warranty 2 years



| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| CLCN-010-001 | model CC10 | 1 | |
| CLCN-01E-001 | model CC10E | 1 | |



## COLONY COUNTER, CC100

Designed to specify the number of microbial colonies present on sample plates with maximized efficiency. Four 3-digit (0-999) LED displays show the present and previous counting values. Can make an average count from multiple counting and store up to 100 averages in the memory. BACK button can deduce data when overcounting. Adjustable dish holder suitable for petri dishes from 90-150 mm or 60 mm. Adjustable pressure sensitivity. Optional: software able to add, delete, search, print and save data in Excel format (.csv). Dimensions (mm): 351 x 302 x 370. 100-240 V / 50-60 Hz. Warranty 2 years

| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| CLCN-100-001 | colony counter LBX CC100 series | 1 | |
| CLCN-A01-001 | software for LBX CC100 series colony counter | 1 | |



## CULTURE TUBES WITH DUAL-POSITION CAPS

Dual-position PE cap; loose position for aerobic work or sealed for anaerobic cultures. Sterilized by gamma radiation. Individual peel-pack. Free sterilization certificate available on the website

| reference | $\varnothing_{outer}$ (mm) | l (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|
| CLTU-05P-500 | 12 | 75 | 5 ml, without graduation, PP | 500 | |
| CLTU-12P-500 | 17 | 100 | 15 ml, without graduation, PP | 500 | |
| CLTU-5WP-500 | 12 | 75 | 5 ml, with graduation, PP | 500 | |
| CLTU-1WP-500 | 17 | 100 | 15 ml, with graduation, PP | 500 | |
| CLTU-05S-500 | 12 | 75 | 5 ml, without graduation, PS | 500 | |
| CLTU-12S-500 | 12 | 100 | 7 ml, without graduation, PS | 500 | |
| CLTU-15S-500 | 17 | 100 | 15 ml, without graduation, PS | 500 | |
| CLTU-5WS-500 | 12 | 75 | 5 ml, with graduation, PS | 500 | |
| CLTU-1WS-500 | 17 | 100 | 15 ml, with graduation, PS | 500 | |



## MCE MEMBRANE FILTERS, STERILE

Mixed membranes of cellulose nitrate and cellulose acetate (MCE). White with black grid for better contrast and observation in microbiology applications. Sterile, individual packaging

| reference | ø (mm) | pore (µm) | pcs/pack | price/pack |
|---|---|---|---|---|
| MCNB-247-100 | 47 | 0,22 | 100 | |
| MCNB-447-100 | 47 | 0,45 | 100 | |
| MCNB-847-100 | 47 | 0,8 | 100 | |
| MCNB-250-100 | 50 | 0,22 | 100 | |
| MCNB-450-100 | 50 | 0,45 | 100 | |



## MICROBIOLOGICAL MONITORS

Ready-to-use sterile filter units ideal for microbiological control of various kinds. Made up of a base with a filter MCE membrane, a cellulose absorbent pad underneath, a 100 ml graduated funnel and a lid with a magnifier. White non-welded membrane of 47 mm. Single use only. After filtering, its base together with the lid can be used as a Petri dish. Sterilized by gamma radiation and individually packed in an easy-open polyethylene bag

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MMCB-BF2-050 | 0.22 µm pore | 50 | |
| MMCB-BF4-050 | 0.45 µm pore | 50 | |

## PORCELAIN SPOTTING PLATE

HDN

Glazed except for bottom surface

| reference | l (mm) | w (mm) | $Ø_{hole}$ (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| SPPC-006-001 | 94 | 62 | 21 | 6 holes | 1 | |
| SPPC-012-001 | 115 | 88 | 21 | 12 holes | 1 | |



## COLORIMETRIC 3 CELL TRAY, POLYETHYLENE

astiK's

Particularly useful for colorimetric tests

| reference | dimensions (mm) | $Ø_{hole}$ (mm) | cell depth (mm) | pcs/pack | price/pack |
|---|---|---|---|---|---|
| CTYP-003-010 | 28 x 58 | 21 | 7 | 10 | |



## COLORIMETRIC 8 CELL TRAY, POLYSTYRENE

astiK's

Particularly useful for colorimetric tests

| reference | dimensions (mm) | $Ø_{hole}$ (mm) | cell depth (mm) | pcs/pack | price/pack |
|---|---|---|---|---|---|
| CTYP-008-010 | 95 x 57 | 15 | 2 | 10 | |



## STAINING JAR, GLASS

LBG

Made of neutral glass (LBG N). With lid

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| MSSN-001-001 | Coplin (A), for 5 slides | 1 | |
| MSSN-002-001 | Schieferdecker (B), for 10 slides | 1 | |
| MSSN-003-001 | Hellendahl (C), for 9 slides | 1 | |




## STAINING JAR, PMP

astiK's

Made of polymethylpentene (PMP or TPX), includes lid. Remark: Xylene can cause etching to PMP after two days at room temperature

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| MSSX-002-001 | Schieferdecker (A), for 10 slides | 1 | |
| MSSX-003-001 | Hellendahl (B), for 8 slides | 1 | |




## STAINING JAR, ACC. TO COPLIN, POLYPROPYLENE

astiK's

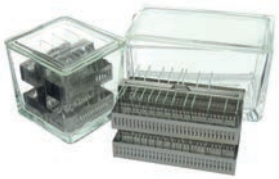
With screw lid

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| MSSP-001-001 | for 5 slides | 1 | |



## LBG | STAINING JAR, ACC. TO HAUSSER-GEDIGK

Made of glass, with lid and stainless steel slide stand



| reference | l (mm) | h (mm) | w (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| MSHN-030-001 | 100 | 90 | 100 | for 30 slides | 1 | |
| MSHN-060-001 | 160 | 90 | 100 | for 60 slides | 1 | |

## astiK's | STAINING JAR WITH REMOVABLE RACK, PMP



Includes jar made of polymethylpentene (PMP or TPX), staining rack made of polypropylene and two lids (one lid for when dish is not in use and one lid with special opening to allow handle of staining rack). Remark: Xylene can cause etching to PMP after two days at room temperature

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| MSHX-020-001 | for 20 slides | 1 | |

## LBG | MICROSCOPE SLIDES *BASIC LINE*

The most economic option for education and for routine applications in veterinary medicine, urine analysis, etc. Made of clear glass- precleaned. Sizes: 75 x 25 mm and thickness 1,0-1,2 mm. Packed in carton boxes of 50 units with protective paper between each slide and every box protected by a sealed nylon cover (Tropical Pack)



| reference | corners | description | pcs/pack | price/pack |
|---|---|---|---|---|
| SLIU-005-050 | 90° | cut edges | 50 | |
| SLIG-005-050 | 45° | ground edges | 50 | |
| SLIF-005-050 | 90° | ground edges, single frost | 50 | |
| “Saving package” (50 boxes x 50 slides/box) | | | | |
| SLIU-005-2K5 | 90° | cut edges | 50 x 50 | |
| SLIG-005-2K5 | 45° | ground edges | 50 x 50 | |
| SLIF-005-2K5 | 90° | ground edges, single frost | 50 x 50 | |

## LBG | MICROSCOPE SLIDES *STANDARD LINE*

The best relation quality/price for any kind of application. Made of clearglass- precleaned. Sizes: 25 x 75 mm and thickness 1,0- 1,2 mm. Each slide is printed with the name “LBG” on one side. Vacuum packed in carton boxes of 50 units protected by a single layer of cellophane



| reference | corners | description | pcs/pack | price/pack |
|---|---|---|---|---|
| SLIU-010-050 | 90° | cut edges | 50 | |
| SLIG-010-050 | 45° | ground edges | 50 | |
| SLIF-010-050 | 45° | ground edges, single frost | 50 | |
| SLIU-D10-050 | 90° | cut edges, double frost | 50 | |
| SLIF-D10-050 | 45° | ground edges, double frost | 50 | |
| “Saving package” (50 boxes x 50 slides/box) | | | | |
| SLIU-010-2K5 | 90° | cut edges | 50 x 50 | |
| SLIG-010-2K5 | 45° | ground edges | 50 x 50 | |
| SLIF-010-2K5 | 45° | ground edges, single frost | 50 x 50 | |
| SLIU-D10-2K5 | 90° | cut edges, double frost | 50 x 50 | |
| SLIF-D10-2K5 | 45° | ground edges, double frost | 50 x 50 | |

## MICROSCOPE SLIDES *PREMIUM LINE*

LBG

Superior quality at an affordable price for routine applications in pathology, histology, cytology and more fields needing a higher quality. Made of clear glass- precleaned, beveled edges and corners 45°. Sizes: 25 x 75 mm and thickness 1.0-1.2 mm. Each slide is printed with the name "LBG" on one side. Packed in carton boxes of 50 units protected by double cellophane paper



| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| SLIB-G10-050 | plain | 50 | |
| SLIB-F10-050 | single frost | 50 | |
| SLIB-B10-050 | double frost | 50 | |
| "Saving package" (50 boxes x 50 slides/box) | | | |
| SLIB-G10-2K5 | plain | 50 x 50 | |
| SLIB-F10-2K5 | single frost | 50 x 50 | |
| SLIB-B10-2K5 | double frost | 50 x 50 | |

## COVER GLASS *STANDARD LINE*

LBG

Made of standard glass. Pre-cleaned. Packed in plastic boxes protected by a sealed aluminium cover (Tropical Pack)



| reference | l (mm) | w (mm) | thickness (mm) | pcs/pack | price/pack |
|---|---|---|---|---|---|
| COVN-018-200 | 18 | 18 | 0,13-0,16 | 200 | |
| COVN-020-200 | 20 | 20 | 0,13-0,16 | 200 | |
| COVN-022-200 | 22 | 22 | 0,13-0,16 | 200 | |
| COVN-024-200 | 24 | 24 | 0,13-0,16 | 200 | |
| COVN-032-100 | 24 | 32 | 0,13-0,16 | 100 | |
| COVN-040-100 | 24 | 40 | 0,13-0,16 | 100 | |
| COVN-050-100 | 24 | 50 | 0,13-0,16 | 100 | |
| COVN-060-100 | 24 | 60 | 0,13-0,16 | 100 | |
| "Saving package" | | | | | |
| COVN-018-1K0 | 18 | 18 | 0,13-0,16 | 5 x 200 | |
| COVN-020-1K0 | 20 | 20 | 0,13-0,16 | 5 x 200 | |
| COVN-022-1K0 | 22 | 22 | 0,13-0,16 | 5 x 200 | |
| COVN-024-1K0 | 24 | 24 | 0,13-0,16 | 5 x 200 | |
| COVN-032-1K0 | 24 | 32 | 0,13-0,16 | 10 x 100 | |
| COVN-040-1K0 | 24 | 40 | 0,13-0,16 | 10 x 100 | |
| COVN-050-1K0 | 24 | 50 | 0,13-0,16 | 10 x 100 | |
| COVN-060-1K0 | 24 | 60 | 0,13-0,16 | 10 x 100 | |

## TRANSPORT CASE FOR MICROSCOPE SLIDES

Made of polypropylene. For 76 x 26 mm slides



| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| MSMP-001-001 | for 1 slide | 1 | |
| MSMP-002-001 | for 2 slides | 1 | |
| MSMP-005-001 | for 5 slides | 1 | |



## MICROSCOPE SLIDE BOX

Made of polystyrene. With removable lid and numbered slots to hold microscope slides of 76 x 26 mm

| reference | l (mm) | w (mm) | h (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| MSBP-025-001 | 125 | 95 | 35 | for 25 slides | 1 | |
| MSBP-050-001 | 230 | 100 | 35 | for 50 slides | 1 | |
| MSBP-100-001 | 230 | 185 | 35 | for 100 slides | 1 | |



## MICROSCOPE SLIDE BOX

The transparent cover provide excellent view of the slides stored inside. Can hold 100 numbered slides of 76 x 26 mm

| reference | w (mm) | l (mm) | h (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| MSRP-100-001 | 85 | 250 | 90 | for 100 slides | 1 | |



## MICROSCOPE SLIDE BOX

Made of ABS plastic. Orange color. With lid fixed to the box through hinges and with cork protection base

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| MSLP-012-001 | for 12 slides | 1 | |
| MSLP-025-001 | for 25 slides | 1 | |
| MSLP-050-001 | for 50 slides | 1 | |
| MSLP-100-001 | for 100 slides | 1 | |



## CARDBOARD SLIDE FOLDER

Suitable for storing slides. Sunken compartments and interior covers to protect samples. Compatible with 76 x 26 mm and 0.8- 1.2 mm wide slides

| reference | w (mm) | l (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|
| MSAR-002-050 | 76 | 94 | for 2 slides | 50 | |
| MSAR-003-050 | 110 | 118 | for 3 slides | 50 | |
| MSAR-004-050 | 110 | 150 | for 4 slides | 50 | |
| MSAR-010-005 | 120 | 340 | for 10 slides, with index | 5 | |
| MSAR-020-005 | 240 | 340 | for 20 slides, with index | 5 | |
| MSAR-030-005 | 284 | 340 | for 30 slides, with index | 5 | |
| MSAR-048-005 | 380 | 400 | for 48 slides, with index | 5 | |



## PP SLIDE FOLDER

Sunken compartments and interior covers to protect samples. Compatible with 76 x 26 mm and 0.8- 1.2 mm wide slides

| reference | w (mm) | l (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|
| MSAP-001-200 | 83,7 | 41 | for 1 slide | 200 | |
| MSAP-002-100 | 83,7 | 69 | for 2 slides | 100 | |
| MSAP-003-100 | 83,7 | 98 | for 3 slides | 100 | |

## MICROSCOPE SLIDE DISPENSER

ABS body with transparent PS cover. Suitable for slides of 75 x 25 mm length and 1,0- 1,2 mm thickness

| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| SLID-001-001 | dispensing up to 72 slides | 1 | |



## VERTICAL STORAGE BOX FOR SLIDES

Transparent PP. Designed to hold 5 slides of 26 x 76 mm and 0.8- 1.2 mm thickness in vertical position

| reference | type | pcs/pack | price/pack |
|---|---|---|---|
| MSVP-005-100 | for storing 5 slides | 100 | |



## SLIDE AND CASSETTE FILE HOLDER

File holders made of high-strength ABS material, in white color. Designed to store slides and cassettes. All modules are stackable. All modules can be stacked for better organization and space saving, allowing different configurations. Each section contains 14 individual drawers, which can store up to 5600 (14 x 400) slides or 910 cassettes (14 x 65).

| reference | h (mm) | l (mm) | w (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| ARPC-BAS-001 | 71 | 480 | 485 | base | 1 | |
| ARPC-TAP-001 | 26 | 480 | 485 | lid | 1 | |
| ARPC-SLI-001 | 146 | 480 | 485 | section for slides | 1 | |
| ARPC-CAS-001 | 91 | 480 | 485 | section for cassettes | 1 | |



## DYES AND STAINS KITS FOR MICROBIOLOGY AND PATHOLOGY

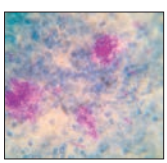
labkem

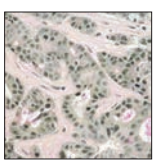
CE IVD

Ready-to-use solutions of some of the most widely used stains in the fields of histopathology, microbiology and hematology. Labkem dye kits are fast and easy to use, ensuring reproducible results. Reagents in 50 ml format

| reference | type | n° tests / pack | price/pack |
|---|---|---|---|
| ABLU-KA2-100 | Alcian, Blue pH 1 / Detection of highly acidic mucins only | 100 | |
| ABLU-KA3-100 | Alcian, Blue pH 2.5/ Detection of acidic mucins | 100 | |
| CONG-KHI-100 | Highman, Congo Red / Detection of amyloid | 100 | |
| TRIC-KML-100 | Mallory, Trichrome / Coloration of connective tissue | 100 | |
| TRIC-KMA-100 | Masson, Trichrome Standard / Detection of collagen fibers in tissues | 100 | |
| ORCE-KFB-100 | Orcein / Selective staining method for identifying elastin protein | 100 | |
| PANO-KPR-100 | Panoptic, rapid / Differential staining method for blood cells | 100 | |
| SCHF-K01-100 | Periodic Acid Schiff (P.A.S.) / Detection of polysacharides in tissues | 100 | |
| TRIC-KVG-100 | Van Gieson, Trichrome /Detection of abnormal elastic tissue | 100 | |
| HEMA-KWE-100 | Weigert, Hematoxylin / Nuclear staining resistant to decolorization by acidic staining solutions | 100 | |
| FUCH-KZN-100 | Ziehl-Neelsen / Identification of acid-fast organisms, mainly Mycobacteria | 100 | |





## AGAR AGAR

labkem

CAS: 9002-18-0 EC: 232-658-1 TARIC code: 13023100

| AGAR AGAR BAC LIFEKEM | | | reference | packaging | | price/ pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes physically, discard product.<br>App. White to pale brown powder<br>Moisture < 12%<br>Conc. of use 1.2 - 1.6%<br>Ash < 4.5%<br>Absernce of inhibitors | Turb. (1.5%) < 8NTU<br>pH (1.5%)bef.autocl. 6.0 - 7.5<br>pH (1.5%)aft. autocl. 6.0 - 7.5<br>Colour. before autocl. (450nm) < 0.25<br>Colour. after autocl. (450nm) < 0.30<br>Gel strength (Nikan) 800 - 1100g/cm<br>Gel point (1.5%) 34 - 38°C | Melt. range (1.5%) 85 - 90°C<br>Part. size (mesh 60 ASTM) > 95%<br>As < 0.0003%<br>Pb < 0.0005%<br>Hg < 0.0001%<br>Cd < 0.0001%<br>Heavy met. < 0.002% | AGAG-00P-500 | P | 500 g | |

## BILE ESCULIN AZIDE AGAR

labkem

TARIC code: 13023100

| BILE ESCULIN AZIDE AGAR BAC LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and light brownish beige. If any changes phisically, discard product.<br>App. Amber coloured opalescent with bluish tinge.<br>pH (25°C) 7.0 - 7.4<br>Conc. of use 56.70g/L<br>Preparation: | Dissolve 56.70 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | BEAA-0EP-500 | P | 500 g | |

## VIOLET RED BILE W/ GLUCOSE AGAR (VRBG)

labkem

TARIC code: 13023100

| VIOLET RED BILE W/ GLUCOSE AGAR (VRBG) BAC PH.EUR, ISO-21528 LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and beige-reddish.<br>If any changes phisically, discard product.<br>App. Fine powder<br>pH (25°C) 7.2 - 7.6<br>Conc. of use 41.5g/L<br>Preparation:<br>Dissolve 41.5 gr on 1 L with heat and boil for 1 min until complete | dissolution.<br>Sterilize at 118°C for 15 min.<br>(AVOID OVERHEATING)<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | ABVG-IEP-500 | P | 500 g | |

## VIOLET RED BILE W/ LACTOSE AGAR (VRBL)

labkem

TARIC code: 13023100

| VIOLET RED BILE W/ LACTOSE AGAR (VRBL) BAC ISO-4832 LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and beige-reddish.<br>If any changes phisically, discard product.<br>App. Purple red<br>pH (25°C) 7.2 - 7.6<br>Conc. of use 41.5g/L<br>Preparation: | Dissolve 41.5 gr on 1 L with heat and boil for 1 min until complete dissolution.<br>(DO NOT AUTOCLAVE)<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | ABVL-00I-500 | P | 500 g | |

## CETRIMIDE AGAR

labkem

TARIC code: 13023100

| CETRIMIDE AGAR BAC LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Light amber slight.opalesc.<br>pH (25°C) 7.0 - 7.4<br>Conc. of use 45.5 g/L<br>Preparation: | Dissolve 45.50 gr in 1000 ml distilled water containing 1% glycerol with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | CAGR-0HI-500 | P | 500 g | |

## CHAPMAN AGAR (TTC)

labkem

TARIC code: 13023100

| CHAPMAN AGAR (TTC) BAC ISO-9308-1 LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and greenish-beige.<br>App. Violet-red<br>pH (25°C) 7.0 - 7.4<br>If any changes phisically, discard product.<br>Conc. of use 56.15g/L<br>Preparation: | Dissolve 56.15gr on 1 L with heat and boil for 1 min until complete dissolution.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | AGCH-00I-500 | P | 500 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## CHAPMAN-STONE AGAR

labkem

TARIC code: 13023100

| CHAPMAN-STONE AGAR BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 6.8 - 7.2<br>Conc. of use 202 g/L<br>Preparation: | Dissolve 202 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | CSAG-0HI-500 | P | 500 g | |

## SIMMONS CITRATE AGAR

labkem

TARIC code: 13023100

| SIMMONS CITRATE AGAR BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and light yellow. If any changes phisically, discard product.<br>App. Green yellow slight.opalesc.<br>pH (25°C) 6.7 - 6.9<br>Conc. of use 24.28g/L<br>Preparation: | Dissolve 24.28 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | SCAG-00P-500 | P | 500 g | |

## CHROMOGENIC TRYPTONE BILE X-GLUCURONIDE (TBX) AGAR

labkem

TARIC code: 13023100

| CHROMOGENIC TRYPTONE BILE X-GLUCURONIDE (TBX) AGAR BAC ISO-16649-2,3 | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 7.0 - 7.4<br>Conc. of use 36.6g/L<br>Preparation: | Dissolve 36.6 gr on 1 L with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 12 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | AGTB-00I-500 | P | 500 g | |

## SABOURAUD DEXTROSE AGAR

labkem

TARIC code: 13023100

| SABOURAUD DEXTROSE AGAR BAC PH. EUR. | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber/slight opalesc.<br>pH (25°C) 5.4 - 5.8<br>Conc. of use 65g/L<br>Preparation:<br>Sterilize at 118-121°C for 15min. | Dissolve 65 gr. on 1 L with heatand boil for 1 min until complete dissolution.<br>(AVOID OVERHEATING)<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | AGDS-0EP-500 | P | 500 g | |

## SABOURAUD DEXTROSE W/ CHLORAMPHENICOL AGAR

labkem

TARIC code: 13023100

| SABOURAUD DEXTROSE W/ CHLORAMPHENICOL AGAR BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 5.4 - 5.8<br>Conc. of use 65.5g/L<br>Preparation:<br>Dissolve 65.5 gr on 1 L with heat and boil for 1 min until complete | dissolution.<br>Steril. 121°C for 15 min.<br>(AVOID OVERHEATING)<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | AGSC-00P-500 | P | 500 g | |

## HEKTOEN ENTERIC AGAR

labkem

TARIC code: 13023100

| HEKTOEN ENTERIC AGAR BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and light purple beige. If any changes phisically, discard product.<br>App. Green with yellowish ting slight.opalesc.<br>pH (25°C) 7.3 - 7.7<br>Conc. of use 75.66g/L<br>Preparation: | Dissolve 75.66 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>DO NOT AUTOCLAVE.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | HEAG-00P-500 | P | 500 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## EOSIN METHYLENE BLUE AGAR (EMB)

labkem

TARIC code: 13023100

| EOSIN METHYLENE BLUE AGAR (EMB) BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and pinkish purple. If any changes phisically, discard product.<br>App. Purple with light greenish sheen slight.opalesc.<br>pH (25°C) 7.4 - 7.8<br>Conc. of use 36 g/L<br>Preparation: | Dissolve 36 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | EMBA-00I-500 | P | 500 g | |

## PHENYLALANINE AGAR

labkem

TARIC code: 13023100

| PHENYLALANINE AGAR BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 7.1 - 7.5<br>Conc. of use 26 g/L<br>Preparation: | Dissolve 26 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | PAAG-00P-500 | P | 500 g | |

## GLUCOSE AGAR WITH CHLORAMPHENICOL

labkem

TARIC code: 13023100

| GLUCOSE AGAR WITH CHLORAMPHENICOL BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 6.4 - 6.8<br>Conc. of use 40 g/L<br>Preparation: | Dissolve 40 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | CYGA-0HI-500 | P | 500 g | |

## TRIPLE SUGAR IRON AGAR (TSI)

labkem

TARIC code: 13023100

| TRIPLE SUGAR IRON AGAR (TSI) BAC ISO-6579, ISO-19250 | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and pink in colour.<br>If any changes phisically, discard product.<br>App. Red<br>pH (25°C) 7.2 - 7.6<br>Conc. of use 64.6g/L<br>Preparation:<br>Dissolve 64.6 gr in 1 L of water and boil for 1 min until complete | dissolution.<br>Sterilize at 121°C for 15 minutes.<br>(AVOID OVERHEATING)<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | AGTS-00I-500 | P | 500 g | |

## KING B AGAR

labkem

TARIC code: 13023100

| KING B AGAR BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 7.0 - 7.4<br>Conc. of use 43 g/L<br>Preparation: | Dissolve 43 gr in 1000 ml containing 15 ml glycerol with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | KBMA-0EP-500 | P | 500 g | |

## LACTOSE AGAR WITH BROMOTHYMOL BLUE

labkem

TARIC code: 13023100

| LACTOSE AGAR WITH BROMOTHYMOL BLUE BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and light beige with green ting. If any changes phisically, discard product.<br>App. Green-blue slight.opalesc.<br>pH (25°C) 8.4 - 8.8<br>Conc. of use 33.1 g/L<br>Preparation: | Dissolve 33.1 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | LATB-0HI-500 | P | 500 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## LYSINE IRON AGAR

labkem

TARIC code: 13023100

| LYSINE IRON AGAR BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Purple slight.opalesc.<br>pH (25°C) 6.5 - 6.9<br>Conc. of use 34.56g/L<br>Preparation: | Dissolve 34.56 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | LIAG-0HI-500 | P | 500 g | |

## MACCONKEY AGAR

labkem

TARIC code: 13023100

| MACCONKEY AGAR BAC PH. EUR., ISO-21567 | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige-pink.<br>App. Beige - pink<br>pH (25°C) 6.9 - 7.3<br>If any changes phisically, discard product.<br>Conc. of use 50g/L<br>Preparation: | Dissolve 50 gr. on 1 L with heat and boil for 1 min until complete dissolution.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | AGMC-IEP-500 | P | 500 g | |

## MAN, ROGOSA AND SHARPE AGAR (MRS)

labkem

TARIC code: 13023100

| MAN, ROGOSA AND SHARPE AGAR (MRS) BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 6.0 - 6.4<br>Conc. of use 62g/L<br>Preparation: | Dissolve 62 gr on 1 L with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 12 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | AGMR-00P-500 | P | 500 g | |

## STANDARD METHODS AGAR (PCA)

labkem

TARIC code: 13023100

| STANDARD METHODS AGAR (PCA) BAC ISO-4833 | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and light-toasted. If any changes phisically, discard product.<br>Col. of the prep. med. Clear amber, slightly opalescent<br>pH (25°C) 6.8 - 7.2<br>Microb. test passes test<br>Conc. of use 23.5g/L<br>Preparation: | Dissolve 23.5 gr on 1 L with heat and boil for 1 min until complete dissolution.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | AGSM-00I-500 | P | 500 g | |

## MUELLER HINTON AGAR

labkem

TARIC code: 13023100

| MUELLER HINTON AGAR BAC | | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|---|
| Homogeneous, free flowing and Cream.<br>If any changes phisically, discard product.<br>Col. of the prep. med. Amber slight. opalesc.<br>Col. of prep. med. w/blood Red<br>pH (25°C) 7.2 - 7.6 | Microb. test Passes test<br>Conc. of use 38g/L<br>Preparation:<br>Dissolve 38 gr on 1 L with heat and boil for 1 min until complete dissolution.<br>Steril. 121°C for 15 min. | (AVOID OVERHEATING)<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | AGMH-00P-500 | P | 500 g | |

## POTATO DEXTROSE AGAR

labkem

TARIC code: 13023100

| POTATO DEXTROSE AGAR BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 5.4 - 5.8<br>Conc. of use 39 g/L<br>Preparation: | Dissolve 39 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | PDAG-00I-500 | P | 500 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## PSEUDOMONAS AGAR (FLUORESCEIN)

labkem

TARIC code: 13023100

| PSEUDOMONAS AGAR (FLUORESCEIN) BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 6.8 - 7.2<br>Conc. of use 38 g/L<br>Preparation: | Dissolve 38 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | PAFL-0EP-500 | P | 500 g | |

## ROSE BENGAL AGAR WITH CHLORAMPHENICOL

labkem

TARIC code: 13023100

| ROSE BENGAL AGAR WITH CHLORAMPHENICOL BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and pinkish beige. If any changes phisically, discard product.<br>App. Pink slight.opalesc.<br>pH (25°C) 7.0 - 7.4<br>Conc. of use 32 g/L<br>Preparation: | Dissolve 32 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | RBCA-0HI-500 | P | 500 g | |

## SALMONELLA-SHIGELLA AGAR

labkem

TARIC code: 13023100

| SALMONELLA-SHIGELLA AGAR BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and light pink beige. If any changes phisically, discard product.<br>App. Red with orange ting slight.opalesc.<br>pH (25°C) 6.8 - 7.2<br>Conc. of use 60 g/L<br>Preparation: | Dissolve 60 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>DO NOT AUTOCLAVE.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | SSAG-IEP-500 | P | 500 g | |

## TRYPTICASEIN SOY AGAR (TSA)

labkem

TARIC code: 13023100

| TRYPTICASEIN SOY AGAR (TSA) BAC PH. EUR. | | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige in colour. If any changes phisically, discard product.<br>Col. of prep. med. w/blood Cherry red<br>pH (25°C) 7.1 - 7.5<br>Conc. of use 40g/l<br>Preparation:<br>Diss. 40 gr in 1 L of water w/heat and boil | for 1 min until complete dissol.<br>Sterilize at 121°C for 15 minutes.<br>Once open. avoid hydration<br>*S. aureus* ATCC25923 Growth Good<br>*S. aureus.* ATCC6538 growth Good<br>*S. epidermidis* ATCC12228 Growth Good<br>*S pneumoniae* ATCC 6303<br>Growth*Streptococcus pneumoniae* ATCC | 6303 Growth Good<br>*S. pyogenes* ATCC 19615 Growth Good<br>*P. aeruginosa* ATCC 9027 Growth Good<br>*B. subt.* ATCC 6633 Growth Good<br>*C. albicans* ATCC 10231 Growth Good<br>*A. brasiliensis* ATCC 16404 Growth Good | AGST-0EP-500 | P | 500 g | |

## SULFITE POLYMYXIN SULFADIAZINE AGAR (SPS)

labkem

TARIC code: 13023100

| SULFITE POLYMYXIN SULFADIAZINE AGAR (SPS) BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight. opalesc<br>pH (25°C) 6.8 - 7.2<br>Conc. of use 39.7g/L<br>Preparation: | Dissolve 39.7 gr on 1 L with heat and boil for 1 min until complete dissolution.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | AGSP-00P-500 | P | 500 g | |

## BRILLIANT GREEN AGAR

labkem

TARIC code: 13023100

| BRILLIANT GREEN AGAR BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and pinkish beige. If any changes phisically, discard product.<br>App. Light orange brown coloured opalescent.<br>pH (25°C) 6.7 - 7.1<br>Conc. of use 58 g/L<br>Preparation: | Dissolve 58.0 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | BGAG-00I-500 | P | 500 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## XYLOSE LYSINE DESOXYCHOLATE AGAR (XLD)

labkem

TARIC code: 13023100

| XYLOSE LYSINE DESOXYCHOLATE AGAR (XLD) BAC PH. EUR | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and pink.<br>If any changes phisically, discard product.<br>App. Reddish-orange<br>pH (25°C) 7.2 - 7.6<br>Conc. of use 55.2g/L<br>Preparation:<br>Dissolve 55.2 gr on 1 L with heat and boil for 1 min until complete dissolution.<br>(DO NOT AUTOCLAVE)<br>(AVOID OVERHEATING)<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | AGXL-0EP-500 | P | 500 g | |

| XYLOSE LYSINE DESOXYCHOLATE AGAR (XLD) BAC ISO-6579, ISO-19250, ISO-21567 | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and pink.<br>If any changes phisically, discard product.<br>App. Reddish-orange<br>pH (25°C) 7.2 - 7.6<br>Conc. of use 54g/L<br>Preparation:<br>Dissolve 54 gr on 1 L with heat and boil for 1 min until complete dissolution.<br>(DO NOT AUTOCLAVE)<br>(AVOID OVERHEATING)<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | AGXL-00I-500 | P | 500 g | |

## BAIRD PARKER AGAR BASE

labkem

TARIC code: 13023100

| BAIRD PARKER AGAR BASE BAC PH. EUR. | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and toasted in colour. If any changes phisically, discard product.<br>App. yellow opalescent<br>pH (25°C) 6.6 - 7.0<br>pH (25°C) < 7.0<br>Conc. of use 63g/L<br>Preparation:<br>Dissolve 63 gr on 1 L with heat and boil for 1 min until complete dissolution.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | ABBP-0EP-500 | P | 500 g | |

## MIU AGAR BASE (MOTILITY INDOLE UREA)

labkem

TARIC code: 13023100

| MIU AGAR BASE (MOTILITY INDOLE UREA) BAC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and light orange to pink. If any changes phisically, discard product.<br>App. Light yellow to orange slight.opalesc.<br>pH (25°C) 6.6 - 7.0<br>Conc. of use 18.95g/L<br>Preparation:<br>Dissolve 18 gr in 950 ml and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Add 50 ml of 40% urea solution when cool.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | MUIA-0EP-500 | P | 500 g | |

## BLOOD AGAR BASE

labkem

TARIC code: 13023100

| BLOOD AGAR BASE BAC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and toasted in colour.<br>If any changes phisically, discard product.<br>App. amber<br>pH (25°C) 7.1 - 7.5<br>Conc. of use 40g/L<br>Preparation:<br>Dissolve 40 gr in 1 L of water and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 minutes.<br>Cool to 45-50°C and aseptically add 5-10% of sterile defibrinated blood (Avoid bubbles in homogenization)<br>If desired, add BLPS-00P to increase growth.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | ABBL-00P-500 | P | 500 g | |

## CETRIMIDE BROTH

labkem

TARIC code: 13023100

| CETRIMIDE BROTH BAC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Light amber slight.opalesc.<br>pH (25°C) 7.0 - 7.4<br>Conc. of use 23.5g/L<br>Preparation:<br>Dissolve 23.5 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | CBRT-00P-500 | P | 500 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## MACCONKEY BROTH WITH NEUTRAL RED

labkem

TARIC code: 13023100

| MACCONKEY BROTH WITH NEUTRAL RED BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and light pink. If any changes phisically, discard product.<br>App. Red slight.opalesc.<br>pH (25°C) 7.2 - 7.6<br>Conc. of use 40.10 g/L<br>Preparation: | Dissolve 40.10 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | MBWN-00P-500 | P | 500 g | |

## DEY-ENGLEY NEUTRALIZING BROTH

labkem

TARIC code: 13023100

| DEY-ENGLEY NEUTRALIZING BROTH BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and blueish beige. If any changes phisically, discard product.<br>App. Light purple to reddish slight.opalesc.<br>pH (25°C) 7.4 - 7.8<br>Conc. of use 39 g/L<br>Preparation: | Dissolve 39 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | DNBR-0EP-500 | P | 500 g | |

## POTATO DEXTROSE BROTH

labkem

TARIC code: 13023100

| POTATO DEXTROSE BROTH BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 4.9 - 5.3<br>Conc. of use 24 g/L<br>Preparation: | Dissolve 24 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | PDBR-IEP-500 | P | 500 g | |

## RAPPAPORT SOY BROTH ACCORDING VASSILIADIS

labkem

TARIC code: 13023100

| RAPPAPORT SOY BROTH ACCORDING VASSILIADIS BAC PH. EUR. | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and blue-greenish.<br>If any changes phisically, discard product.<br>Erscheinungsbild Blue<br>pH (25°C) 5.0 - 5.4<br>Konzentration der Verwendung 26.75g/L<br>Preparation: | Dissolve 33,37 gr in 1110 ml with heat until complete dissolution.<br>Sterilize at 115°C for 15 min.<br>(AVOID OVERHEATING)<br>Nach dem Öffnen Hydratation vermeiden<br>Lagerungstemperatur 2 - 25ºC | | RSVB-00E-500 | P | 500 g | |
| RAPPAPORT SOY BROTH ACCORDING VASSILIADIS BAC ISO-6579, ISO-19250 | | LIFEKEM | reference | packaging | | price/pack |
| Homogeneous, free flowing and blue-greenish.<br>If any changes phisically, discard product.<br>App. Blue<br>pH (25°C) 5.0 - 5.4<br>Conc. of use 30.06g/L<br>Preparation: | Dissolve 33,37 gr in 1110 ml with heat until complete dissol.<br>Sterilize at 115°C for 15 min.<br>(AVOID OVERHEATING)<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | RSVB-00I-500 | P | 500 g | |

## SABOURAUD DEXTROSE BROTH

labkem

TARIC code: 13023100

| SABOURAUD DEXTROSE BROTH BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc.<br>pH (25°C) 5.4 - 5.8<br>Conc. of use 30 g/L<br>Preparation: | Dissolve 30 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | SDBR-0EP-500 | P | 500 g | |

## TETRATHIONATE BROTH

labkem

TARIC code: 13023100

| TETRATHIONATE BROTH BAC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and light green beige. If any changes phisically, discard product.<br>App. Light green slight.opalesc.<br>Preparation:<br>Dissolve 77.5 gr in 980 ml with heat and boil for 1 min until complete dissolution.<br>DO NOT AUTOCLAVE.<br>Add 20 ml of iodine solution<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | TBME-00I-500 | P | 500 g | |

## FLUID THIOGLYCOLLATE BROTH

labkem

TARIC code: 13023100

| FLUID THIOGLYCOLLATE BROTH BAC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Amber slight.opalesc. with pink-purple upper layer<br>pH (25°C) 6.9 - 7.3<br>Conc. of use 29.75 g/L<br>Preparation:<br>Dissolve 29.75 gr in 1000 ml with heat and boil for 1 min until complete dissolution and pink colour disappears.<br>Sterilize at 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | FTME-0HI-500 | P | 500 g | |

## TRYPTICASEIN SOY BROTH (TSB)

labkem

TARIC code: 13023100

| TRYPTICASEIN SOY BROTH (TSB) BAC PH. EUR. | | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|---|
| Homogeneous, free flowing and light beige in colour. If any changes phisically, discard product.<br>Col. of the prep. med. clear amber<br>pH (25°C) 7.1 - 7.5<br>Conc. of use 30g/l<br>Preparation:<br>Dissolve 30 gr on 1 L with heat and boil for 1 min until complete dissol. | Sterilize at 121°C for 15 minutes.<br>Once open. avoid hydration<br>*B. abortus* ATCC 4315 Growth Good<br>*S. aureus.* ATCC6538 growth Good<br>*E. coli* ATCC 25922 Growth Good<br>*E. coli* ATCC 8739 Growth Good<br>*E. aerogenes* ATCC 13048 Growth Good<br>*C. albicans* ATCC 10231 Growth Good<br>*S. pyogenes* ATCC 19615 Growth Good | *S pneumoniae* ATCC 6303 Growth*Streptococcus pneumoniae* ATCC 6303 Growth Good<br>*P. aeruginosa* ATCC 9027 Growth Good<br>*S. typhimurium* ATCC 14028 Growth Good<br>*B. subt.* ATCC 6633 Growth Good<br>*A. brasiliensis* ATCC 16404 Growth Good | | STRB-0EP-500 | P | 500 g | |

## BRILLIANT GREEN BILE BROTH 2% (BRILA)

labkem

TARIC code: 13023100

| BRILLIANT GREEN BILE BROTH 2% (BRILA) BAC ISO-4831, ISO-4832 | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and Beige-greenish.<br>If any changes phisically, discard product.<br>App. Brilliant green<br>pH (25°C) 7.0 - 7.4<br>Conc. of use 40g/L<br>Preparation:<br>Diss. 40 gr in 1 L of water w/heat and boil for 1 min until complete dissol.<br>Steril. 121°C for 15 min.<br>(AVOID OVERHEATING)<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | BRGR-00I-500 | P | 500 g | |

## BUFFERED ENRICHMENT BROTH BASE FOR LISTERIA

labkem

TARIC code: 13023100

| BUFFERED ENRICHMENT BROTH BASE FOR LISTERIA BAC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Light yellow colored, clear opalescent solution with slight precipitation.<br>pH (25°C) 7.1 - 7.5<br>Conc. of use 48.0 g/L<br>Preparation:<br>Dissolve 48.0 gr in 1000 ml with heat and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 min.<br>Add 10 mg of trypaflavine, 40 mg of nalidixic acid and 50 mg of cycloheximide<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | BLEB-IEP-500 | P | 500 g | |

## LISTERIA ENRICHMENT FRASER BROTH BASE

labkem

TARIC code: 13023100

| LISTERIA ENRICHMENT 1/2 FRASER BROTH BASE BAC ISO-11290-1 LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Purple red<br>pH (25°C) 7.0 - 7.4<br>Conc. of use 14.35g/L<br>Preparation: | Dissolve 28.7 gr on 500 ml with heat and boil for 1 min until complete dissolution.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | FRLB-0HI-500 | P | 500 g | |
| LISTERIA ENRICHMENT FRASER BROTH BASE BAC ISO-11290-1 LIFEKEM | | reference | packaging | | price/pack |
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>App. Fine powder<br>pH (25°C) 7.0 - 7.4<br>Conc. of use 14.35g/L<br>Preparation: | Dissolve 28.7 gr on 500 ml with heat and boil for 1 min until complete dissolution.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | FRLB-00I-500 | P | 500 g | |

## MULLER-KAUFFMANN BROTH BASE W/ BRILLIANT GREEN & NOVOBIOCIN (MKTTN)

labkem

TARIC code: 13023100

| MULLER-KAUFFMANN BROTH BASE W/ BRILLIANT GREEN & NOVOBIOCIN (MKTTN) BAC ISO-6579 LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and white.<br>If any changes phisically, discard product.<br>App. Green-blue<br>pH (25°C) 7.8 - 8.2<br>Conc. of use 89.53g/L<br>Preparation:<br>Dissolve 89.53 gr on 1 L with heat and boil for 1 min until complete dissolution. | Cool to 45-50°C and aseptically add 20 ml of IODI-R0A POIO-00A solution (20g IODI 25g POIO in 100ml of sterile distilled water)<br>(DO NOT AUTOCLAVE)<br>(AVOID OVERHEATING)<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | MKFB-00I-500 | P | 500 g | |

## UREA BROTH BASE

labkem

TARIC code: 13023100

| UREA BROTH BASE BAC LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and light orange to pink. If any changes phisically, discard product.<br>App. Light orange to pink slight.opalesc.<br>pH (25°C) 6.6 - 7.0<br>Preparation:<br>Dissolve 18.7 gr in 950 ml and boil for 1 min until complete | dissolution.<br>Sterilize at 121°C for 15 min.<br>Add 50 ml of 40% urea solution when cool.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | UBBA-IEP-500 | P | 500 g | |

## BUFFERED PEPTONE WATER

labkem

TARIC code: 13023100

| BUFFERED PEPTONE WATER BAC PH. EUR. LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Homogeneous, free flowing and whitish.<br>If any changes phisically, discard product.<br>App. Transparent<br>pH (25°C) 6.8 - 7.2<br>Conc. of use 16.1<br>Preparation: | Dissolve 16.1 gr on 1 L with heat and boil for 1 min until complete dissolution.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | AGPT-0EP-500 | P | 500 g | |
| BUFFERED PEPTONE WATER BAC ISO-6579, ISO-22964, ISO-6887, ISO-19250, DIN-10181, DIN-10160 LIFEKEM | | reference | packaging | | price/pack |
| Homogeneous, free flowing and slightly toasted.<br>If any changes phisically, discard product.<br>App. Light amber<br>pH (25°C) 6.8 - 7.2<br>Conc. of use 20g/L<br>Preparation: | Dissolve 20 gr on 1 L with heat and boil for 1 min until complete dissolution.<br>Steril. 121°C for 15 min.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | AGPT-0DI-500 | P | 500 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## YEAST EXTRACT

labkem

CAS: 8013-01-2 EC: 232-387-9 TARIC code: 21021031

| YEAST EXTRACT BAC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>Total N (on dry) > 10%<br>Amino N (on dry) > 4.5%<br>Moisture < 5%<br>NaCl < 0.5%<br>pH 6.0 - 7.2 | Total Plate Counts < 5000cfu/g<br>Colif. Bact. Negative<br>Pathogen test Negative<br>Yeast and molds < 50cfu/g<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | YEEX-1MB-500 | P | 500 g | |

## D(+)-GLUCOSE ANHYDROUS

labkem

M.W.: 180.16 CAS: 50-99-7 EC: 200-075-1 TARIC code: 17023050 $C_6H_{12}O_6$

| D(+)-GLUCOSE ANHYDROUS BAC | | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|---|
| App. Colourless cryst. white powder<br>Spec. Rot. (20°C;10%$H_2O$) 52.5 - 53.0°<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.0025%<br>Loss on dry. (105 °C) < 0.2% | Starch Passes test<br>Acid. (Acetic acid) < 0.015%<br>Ash ($SO_4$) < 0.02%<br>$SO_4$ < 0.005%<br>Fe < 0.0005% | Heavy metals (Pb) < 0.0005%<br>As < 0.00004%<br>Pb < 0.0005% | GLUC-A0A-500 | P | 500 g | |

## LYSINE DECARBOXYLASE MEDIUM

labkem

TARIC code: 13023100

| LYSINE DECARBOXYLASE MEDIUM BAC ISO-6579, ISO-10273, ISO-19250 | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Homogeneous, free flowing and light beige in colour.<br>If any changes phisically, discard product.<br>App. Violet<br>pH (25°C) 6.6 - 7.0<br>Conc. of use 9g/L<br>Preparation: | Dissolve 9 gr in 1 L of water and boil for 1 min until complete dissolution.<br>Sterilize at 121°C for 15 minutes.<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | | LDBR-00I-500 | P | 500 g | |

## BACTERIOLOGICAL PEPTONE

labkem

TARIC code: 35040090

| BACTERIOLOGICAL PEPTONE BAC | | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>Loss on dry. < 6%<br>Amino N (on dry) > 2.6%<br>Total N (on dry) > 10%<br>Ash < 15% | pH (2%) 6.5 - 7.5<br>Red. sugars negative<br>Undigest. prot. negative<br>Proteoses negative<br>$NO_2$ negative<br>Tryptophan negative | Standard Plate Count < 5000cfu<br>Molds and Yeast < 100cfu<br>Once open. avoid hydr.<br>Storage temp. 2 - 25°C | BACP-00P-500 | P | 500 g | |

## PEPTONE FROM CASEIN (TRYPTONE)

labkem

CAS: 91079-40-2 EC: 293-428-4 TARIC code: 35040090

| PEPTONE FROM CASEIN (TRYPTONE) BAC | | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|---|
| Homogeneous, free flowing and beige. If any changes phisically, discard product.<br>If any changes phisically, discard product.<br>Amino N (on dry) > 3.9%<br>Total N (on dry) > 10%<br>Ash < 15% | pH (2%) 6.5 - 7.5<br>Moisture < 6%<br>Red. sugars Negative<br>Undigest. prot. Negative<br>Proteoses Positive<br>$NO_2$ Negative | Tryptophan Positive<br>Standard Plate Count < 5000cfu<br>Molds and Yeast < 100cfu<br>Once open. avoid hydr.<br>Storage temp. 2 - 25ºC | TRYN-00P-500 | P | 500 g | |

## FERRIC AMMONIUM CITRATE SUPPLEMENT

labkem

TARIC code: 38229000

Availability in 2 weeks

| FERRIC AMMONIUM CITRATE SUPPLEMENT BAC ISO-11290-1 | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| Aseptically reconstitute 1 vial with 5 ml of sterile distilled water. Mix gently until complete dissolution and add aseptically to 500 ml of FRLB-00I and FRLB-0HI, autoclaved and cooled to 50°C. Mix well and distribute into sterile containers. | Micr. Cont. absence passes test<br>Storage temp. 2 - 8°C | | FACS-00P-010 | | 10 uds | |

## POLYENRICHMENT SUPPLEMENT

labkem

TARIC code: 38229000

Availability in 2 weeks

| POLYENRICHMENT SUPPLEMENT BAC | LIFEKEM | reference | packaging | price/pack |
|---|---|---|---|---|
| Aseptically reconstitute 1 vial of Polyenrichment Growth Supplement (vial A) with 1 vial of Polyenrichment Restoring Solution (vial B).<br>If desired, this supplement can also be added to ABBL-00P.<br>Includes 5 x Vial A and 5 x Vial B.<br>Micr. Cont. absence passes test<br>Storage temp. 2 - 8°C | | BLPS-00P-010 | 2x5 uds | |

## EGG YOLK EMULSION + TELLURITE SUPPLEMENT

labkem

TARIC code: 38229000

Availability in 2 weeks

| EGG YOLK EMULSION + TELLURITE SUPPLEMENT BAC | LIFEKEM | reference | packaging | price/pack |
|---|---|---|---|---|
| Tellurite Egg Yolk Emulsion, sterilized and stabilized, for use in microbiology applications.<br>ready for use with ABBP-0EP for selection of coagulase-positive Staphylococci.<br>The addition of Egg yolk and Potassium tellurite helps to differentiate these microorganisms from others capable of growing in the base agar, through the d<br>Colour Yellow<br>Sterility test passes test<br>Fertility test passes test<br>Storage temp. 2 - 8°C | | EYTS-00P-100 | 100 ml | |

## OXFORD LISTERIA SELECTIVE SUPPLEMENT

labkem

TARIC code: 38229000

Availability in 2 weeks

| OXFORD LISTERIA SELECTIVE SUPPLEMENT BAC ISO-11290-1 | LIFEKEM | reference | packaging | price/pack |
|---|---|---|---|---|
| Aseptically reconstitute 1 vial with 5ml of of 1:1 v/v sterile distilled water/acetone.<br>Aseptically add 500 ml of ABOX-00I once autoclaved and cooled to 50°C.<br>Micr. Cont. absence Passes test<br>Storage temp. 2 - 8°C | | OLSS-00I-010 | 10 uds | |

## PALCAM LISTERIA SELECTIVE SUPPLEMENT

labkem

TARIC code: 38229000

Availability in 2 weeks

| PALCAM LISTERIA SELECTIVE SUPPLEMENT BAC ISO-11290-2 | LIFEKEM | reference | packaging | price/pack |
|---|---|---|---|---|
| Aseptically reconstitute 1 vial with 5ml of of 1:1 v/v sterile distilled water/acetone.<br>Aseptically add 500 ml of ABPA-00I once autoclaved and cooled to 50°C.<br>Micr. Cont. absence Passes test<br>Storage temp. 2 - 8°C | | PLSS-00I-010 | 10 uds | |

## TTC 1% SUPPLEMENT

labkem

TARIC code: 38229000

Availability in 2 weeks

| TTC 1% SUPPLEMENT BAC | LIFEKEM | reference | packaging | price/pack |
|---|---|---|---|---|
| Aseptically reconstitute 1 vial with 2.5 ml of water. Mix and aseptically add to 500 ml of AGCH-00I.<br>Micr. Cont. absence Passes test<br>Storage temp. 2 - 8°C | | TTCS-00P-010 | 10 uds | |

# STAINS, DYES AND REAGENTS FOR MICROBIOLOGY AND PATHOLOGY

## ORANGE G, C.I. 16230

labkem

M.W.: 452,37 CAS: 1936-15-8 EC: 217-705-6 TARIC code: 32041200

$C_{16}H_{10}N_2Na_2O_7S_2$

| ORANGE G (C.I. 16230) MIC | LIFEKEM | reference | packaging | price/pack |
|---|---|---|---|---|
| App. Red-orange powder<br>Abs. max. ($H_2O$) 475 - 481nm<br>Dye content > 80%<br>Soluble in w. and methyl... | | ORAN-G0D-025 | 25 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## ALCIAN BLUE 8GX

labkem

M.W.: 1298.86 CAS: 33864-99-2 EC: 251-705-7 TARIC code: 32041700

$C_{56}H_{68}Cl_4CuN_{16}S_4$

| ALCIAN BLUE 8GX (C.I. 74240) MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Dark Blue Powder<br>Abs. max. 600 - 615nm<br>Dye content > 50%<br>Water (KF) < 35% | | ABLU-00P-010 | P | 10 g | |

## ANILINE BLUE, C.I. 42755

labkem

M.W.: 737.72 CAS: 28631-66-5 EC: 249-113-9 TARIC code: 32041200

$C_{32}H_{25}N_3Na_2O_9S_3$



| ANILINE BLUE (C.I. 42755) WATER SOLUBLE MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Brownish-purple crystalline powder With metallic lustre<br>Abs. max (0.005) mol/L HCl 594 - 610nm<br>Solub. in $H_2O$<br>Used with fuchsin acid as Mallory's connective tissue stain visualizes chromosomes and cellulose wal | | ANBL-00D-025 | P | 25 g | |

## LACTOPHENOL (COTTON BLUE) SOLUTION

labkem

TARIC code: 38229000 UN: 2922 IMDG: 6.1 (8) II UN 2927 ADR: 6.1 (8) II UN 2927 (D/E) IATA: 6.1 (8) II UN 2927



| LACTOPHENOL (COTTON BLUE) SOLUTION MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Suit. for microb. Passes test<br>Solubility Passes test<br>Blue sol. for staining fungi | | LACP-00D-100 | P | 100 ml | |

## TOLUIDINE BLUE, C.I. 52040

labkem

M.W.: 305,82 CAS: 92-31-9 EC: 202-146-2 TARIC code: 32041300

$C_{15}H_{16}ClN_3S$

| TOLUIDINE BLUE (C.I. 52040) MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Dark-green to black powder<br>Assay > 80%<br>Abs. max. ($H_2O$) > 1200nm<br>Loss on dry. (110 °C) < 8% | | TLBL-00D-005 | G | 5 g | |
| | | TLBL-00D-025 | P | 25 g | |

## TOLUIDINE BLUE SOLUTION

labkem

TARIC code: 32041300 M.W.:

| TOLUIDINE BLUE SOLUTION FOR HISTOLOGY, MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Liquid<br>Colour Dark violet<br>Odour Mild<br>Storage temp. 15 - 25° | | TLBL-S0D-500 | P | 500 ml | |

## GIEMSA'S STAIN

labkem

CAS: 51811-82-6 EC: 257-438-2 TARIC code: 32041900



| GIEMSA | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Dark green to black powder<br>Abs. ($A_1$%; 1cm; $\lambda_{1max}$) 647 - 653<br>Abs. ($A_1$%; 1cm; $\lambda_{2max}$) 520 - 526<br>Abs. max. $\lambda_1$ (1:250 MeOH) < 800<br>Loss on dry. (110 °C) < 10% | | EOMB-00D-100 | P | 100 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## GIEMSA'S STAIN SOLUTION

labkem

CAS: 51811-82-6 EC: 257-438-2 TARIC code: 32041900 UN: 1230 IMDG: 3 (6.1) II UN 1230
ADR: 3 (6.1) II UN 1230 (D/E) IATA: 3 (6.1) II UN 1230



| GIEMSA LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|
| App. Blue coloured solution<br>Abs. max. $\lambda_{1max}$ 650 - 665nm<br>Abs. max. $\lambda_{2max}$ 520 - 525nm | EOMB-MSD-1K0 | G GL45 | 1 L | |

## CARMINE, C.I. 75470

labkem

M.W.: 492.38 CAS: 1390-65-4 EC: 215-724-4 TARIC code: 32030090

$C_{44}H_{37}AlCaO_{27}\cdot 3H_2O$

| CARMINE (C.I. 75470) MIC LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Dark pink to red powder<br>Assay 50 - 55%<br>Loss on dry. < 20%<br>Lambda max. (NaOH) 531 - 563nm<br>Ash < 12% | As < 0.0001%<br>Pb < 0.001%<br>Suitable for use in Orth's Lithium carminic technique. | CARM-00D-025 | P | 25 g | |

## EOSIN Y YELLOWISH, C.I. 45380

labkem

M.W.: 691,86 CAS: 17372-87-1 EC: 241-409-6 TARIC code: 32041200

$C_{20}H_6Br_4Na_2O_5$



| EOSIN Y YELLOWISH (C.I. 45380) MIC LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Dark red-brown (rust) powder<br>Assay > 88%<br>Abs. ($A_1$%; 1cm; $H_2O$) 1260 - 1400<br>Loss on dry. < 5% | Reag. for spectr. det. of Ag Cytoplasmic, counterstain for haematoxylin constituent for Wright's or | EOYE-00D-025 | P | 25 g | |

## EOSIN AQUEOUS SOLUTION 1%

labkem

TARIC code: 32041300 CAS: 548-26-5

| EOSIN AQUEOUS SOLUTION 1%, MIC LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|
| App. Liquid<br>Colour Orange<br>Odour Alcohol-like<br>Storage temp. 15 - 25 | EOYE-S0D-500 | P | 500 ml | |

## EOSIN ALCOHOLIC SOLUTION 0.5%

labkem

TARIC code: 32041300 CAS: 17372-87-1 UN: 1170 IMDG: 3 II UN 1170 ADR: 3 II F1 UN 1170
IATA: 3 II UN 1170



| EOSIN ALCOHOLIC SOLUTION 0,5%, MIC LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|
| App. Liquid<br>Colour Orange<br>Odour Alcohol-like<br>Storage temp. 15 - 25 | EOYE-A0D-500 | P | 500 ml | |

## MAY-GRÜNWALD'S STAIN

labkem

TARIC code: 32041900 CAS: 68988-92-1



| MAY-GRÜNWALD LIFEKEM | | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Green to dark-green crystalline powder<br>Abs. max. $\lambda_{1max}$ > 600nm<br>Abs. max. $\lambda_{2max}$ > 1100nm | Loss on dry. (105 °C) < 10%<br>Suit. for microscopy passes test | EOBL-M0D-025 | P | 25 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## MAY-GRÜNWALD'S SOLUTION MODIFIED FOR MICROSCOPY

labkem

TARIC code: 32041900 UN: 1230 IMDG: 3 (6.1) II UN 1230 ADR: 3 (6.1) II UN 1230 (D/E) IATA: 3 (6.1) II UN 1230



| MAY-GRÜNWALD | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Appearance/colour Blue liquid<br>Abs. max. $\lambda_1$ (1:250 MeOH) < 627nm<br>Suit. for microb. | | EOBL-MSD-500 | P | 500 ml | |

## WRIGHT'S STAIN

labkem

CAS: 68988-92-1 EC: 273-541-5 TARIC code: 32041900



| WRIGHT | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Green Powder<br>Abs. max. $\lambda_{1max}$ (MeOH) conform<br>Loss on dry. (105 °C) <10 %<br>Absorbance maxima at 1(methanol) 648-653 nm<br>Absorbance maxima at 2(methanol) 520-525 nm<br>Specific absorptivity A1%/1cm at 1 (dried subs.) 1000-1300 | | WRST-00P-025 | P | 25 g | |

## FLUORESCEIN SODIUM, C.I. 45350

labkem

M.W.: 376,30 CAS: 518-47-8 EC: 208-253-1 TARIC code: 32049000

$C_{20}H_{10}Na_2O_5$

| FLUORESCEIN SODIUM (C.I. 45350) MIC, BP | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Appearance/colour Dark brownish-red - dark orange red powder<br>Loss on dry. (135 °C) < 17%<br>Lambda max. < 491nm<br>Assay 90 - 102% | | FLUO-00D-025 | P | 25 g | |
| | | FLUO-00D-100 | P | 100 g | |

## FORMALDEHYDE, DILUTED SOLUTION STABILIZED WITH METHANOL

labkem

M.W.: 30.03 CAS: 50-00-0 EC: 200-001-8 EC INDEX: 603-001-00-X TARIC code: 29121100

$CH_2O$



| FORMALDEHYDE 3.7-4.0% PREFILLED CONTAINER HIS BUFFERED PH=7 | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Assay 3.7 - 4%<br>Content of MeOH 1 - 1.5% w/v<br>pH 6.8 - 7.2 | | FORM-D0P-10K | BiB | 10 L | |
| | | FORM-D0P-120 | P | 24x120 ml | |

## FUCHSIN ACID, C.I. 42685

labkem

M.W.: 585.54 CAS: 3244-88-0 EC: 221-816-5 TARIC code: 32041200

$C_{20}H_{17}N_3Na_2O_9S_3$

| FUCHSIN ACID (C.I. 42685) MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Appearance/colour Powder or Crystals<br>Lambda max. in pH 3 acidified 544 - 550nm<br>Nueva linea 544 - 550nm<br>Dye content > 65%<br>Solub. in $H_2O$ 143g/L<br>Suitable for use in the Van Gieson Connective tissue stain and Mallory anilin blue connective tissue stain Zeihl-Neelsens staining for tuberculosis bacilli | | FUCH-A0D-010 | G | 10 g | |
| | | FUCH-A0D-025 | P | 25 g | |

## FUCHSIN BASIC, C.I. 42510

labkem

M.W.: 337,85 CAS: 632-99-5 EC: 211-189-6 TARIC code: 32041300

$C_{20}H_{20}ClN_3$



| FUCHSIN BASIC (C.I. 42510) MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Dark-Green Crystalline Powder<br>Loss on dry. (110 °C) < 10%<br>Dye content > 80%<br>Spect. (50% EtOH) 549nm<br>Melt. point > 250ºC<br>Transition range pH 1.0 - 3.1 | | FUCH-B0D-025 | P | 25 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## FUCHSIN BASIC, CARBOL SOLUTION ACCORDING TO ZIEHL

labkem

TARIC code: 32041300 IMDG: 3 (6.1) III UN 1992 ADR: 3 (6.1) III UN 1992 (D/E) IATA: 3 (6.1) III UN 1992



| FUCHSIN BASIC, CARBOL SOLUTION ACCORDING TO ZIEHL MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Dark-purple liquid<br>Absorption < 548nm<br>Density at 20°C 0.98 - 0.99<br>Wavelenght 542 - 552nm | | FUCH-BZD-500 | P | 500 ml | |

## HEMATOXYLIN, C.I. 75290

labkem

M.W.: 302,30 CAS: 517-28-2 EC: 208-237-3 TARIC code: 32030010

$C_{16}H_{14}O_6$



| HEMATOXYLIN 80% (C.I. 75290) MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Beige to tan to light brown powder<br>Assay > 60%<br>$H_2O$ (by KF) < 8%<br>Suit. as a Biological Stain passes test | General tissue stain for animal histology by Weigerts Mayer's acid hemalum Heidenhain's and Harris t | HEMA-00D-025 | P | 25 g | |

## GILL'S HEMATOXYLIN, SOLUTION

labkem

TARIC code: 32041300



| GILL'S HEMATOXYLIN (I) SOLUTION, MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Liquid<br>Colour Dark red<br>Odour Slight odour of acetic acid<br>Storage temp. 15-30 | | HEMA-G1S-500 | P | 500 ml | |
| GILL'S HEMATOXYLIN (II) SOLUTION, MIC | LIFEKEM | reference | packaging | | price/pack |
| App. Liquid<br>Colour Dark red<br>Odour Slight odour of acetic acid<br>Storage temp. 15 - 30°C | | HEMA-G2S-500 | P | 500 ml | |
| GILL'S HEMATOXYLIN (III) SOLUTION, MIC | LIFEKEM | reference | packaging | | price/pack |
| App. Liquid<br>Colour Dark red<br>Odour Slight odour of acetic acid<br>Storage temp. 15 - 30°C | | HEMA-G3S-500 | P | 500 ml | |

## HARRIS'S HEMATOXYLIN FOR PAPANICOLAOU

labkem

TARIC code: 32041300



| HARRIS'S HEMATOXYLIN FOR PAPANICOLAOU, MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Liquid<br>Colour Dark red<br>Odour Odourless<br>Storage temp. 15 - 25°C | | HEMA-HPS-500 | P | 500 ml | |

## MAYER'S HEMATOXYLIN

labkem

TARIC code: 32041300

| MAYER'S HEMATOXYLIN, SOLUTION, MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Liquid<br>Colour Dark red<br>Odour Odourless<br>Storage temp. 15 - 25°C | | HEMA-M0S-500 | P | 500 ml | |

## ORCEIN

labkem

M.W.: 500,51 CAS: 1400-62-0 EC: 215-750-6 TARIC code: 32030010

$C_{28}H_{24}N_2O_7$



| ORCEIN MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Reddish-Brown Crystalline Powder<br>Absorptivity 270 - 330<br>Loss on dry. < 7%<br>Suit. for microscopy | Nueva linea<br>Solub. (0.1N NaOH) clear purple solution<br>Nueva linea clear purple solution | ORCE-00D-005 | P | 5 g | |

## PANOPTIC NO. 1 FOR BLOOD SMEAR STAINING OR MEDULLARY SMEAR STAINING

labkem

TARIC code: 32041400 UN: 1992 IMDG: 3 III UN 1992 ADR: 3 III UN 1992 (D/E) IATA: 3 III UN 1992



| PANOPTIC NO. 1 GREEN FIXATIVE MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Bluish<br>Blood smear staining or medullary smear staining. | | PANO-GF1-1K0 | P | 1 L | |

## PANOPTIC NO. 2 FOR BLOOD SMEAR STAINING OR MEDULLARY SMEAR STAINING

labkem

TARIC code: 32041400

| PANOPTIC NO. 2 FAST EOSIN MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Appearance Reddish<br>Blood smear staining or medullary smear staining. | | PANO-FE2-1K0 | P | 1 L | |

## PANOPTIC NO. 3 FOR BLOOD SMEAR STAINING OR MEDULLARY SMEAR STAINING

labkem

TARIC code: 32041400

| PANOPTIC NO. 3 FAST BLUE MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Bluish without visible particles<br>Blood smear staining or medullary smear staining. | | PANO-FB3-1K0 | P | 1 L | |

## PAPANICOLAOU EA50 SOLUTION

labkem

TARIC code: 32041300 UN: 1170 IMDG: 3 III UN 1170 ADR: 3 III F1 UN 1170 IATA: 3 III UN 1170



| PAPANICOLAOU EA50 SOLUTION, MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Liquid<br>Colour Dark green<br>Odour Alcohol-like<br>Storage temp. 15 - 20 | | PPAN-S50-500 | P | 500 ml | |

## PAPANICOLAOU OG6 SOLUTION

labkem

TARIC code: 32041300 UN: 1170 IMDG: 3 III UN 1170 ADR: 3 III F1 UN 1170 IATA: 3 III UN 1170



| PAPANICOLAOU OG6 SOLUTION, MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Liquid<br>Odour Alcohol-like<br>Colour Orange<br>Storage temp. 15 - 20°C | | PPAN-S06-500 | P | 500 ml | |

## PARAFFIN, PELLETS, FOR TISSUE EMBEDDING

labkem

CAS: 8002-74-2 EC: 232-315-6 TARIC code: 27122090

| PARAFFIN, PELLETS, MELTING POINT 56 - 58 ºC, MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Melt. range 56 - 58°C<br>Penetr. (25°C) 1/10mm 16<br>Oil content%<br>Saybolt color > 30<br>Storage temp. 15 - 25°C | | PARF-TEB-1K0 | P | 1 Kg | |
| PARAFFIN + DMSO, PELLETS, MELTING POINT 56 - 58 ºC, MIC | LIFEKEM | reference | packaging | | price/pack |
| Melt. range 56 - 58°C<br>Oil content < 0.15%<br>Storage temp. 15 - 25°C | | PARD-TEB-1K0 | P | 1 Kg | |

## NEUTRAL RED, C.I. 50040

labkem

M.W.: 288,78 CAS: 553-24-2 EC: 209-035-8 TARIC code: 32041300

$C_{15}H_{17}ClN_4$

| NEUTRAL RED (C.I. 50040) MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Very Dark-Green Powder<br>Melt. point > 290ºC<br>Dye content > 50%<br>Abs. max. (50% EtOH) > 540nm<br>Transition range pH 6.8 - 8.0<br>Supervital staining of living blood cells. | | NEUR-00D-010 | P | 10 g | |
| | | NEUR-00D-025 | P | 25 g | |

## DECALCIFIER SOLUTION

labkem

TARIC code: 38229000 CAS: 64-18-6 UN: 3412 IMDG: 8 II UN 3264 ADR: 8 II C1 UN 3264 IATA: 8 II UN 3264

| DECALCIFIER SOLUTION, HIS | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Appearance Liquid<br>Colour Clear<br>Odour Irritating<br>Storage temperature 15 - 25°C | | DECA-S01-1K0 | G | 1 L | |

## SUDAN III, C.I. 26100

labkem

M.W.: 352,40 CAS: 85-86-9 EC: 201-638-4 TARIC code: 32041900

$C_{22}H_{16}N_4O$

| SUDAN III (C.I. 26100) MIC | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| Appearance Red-Brown Powder<br>Solub. in Toluene Clear red solution<br>Nueva linea Clear red solution<br>Absor. 1%/1cm at λ max 508.4 nm > 820<br>Nueva linea > 820<br>Assay > 80%<br>Loss on dry. (110 °C) < 1% | | SUDN-30D-025 | P | 25 g | |

## XYLENE SUBSTITUTE

labkem

CAS: 64714-66-8 EC: 265-068-8 TARIC code: 27073000 IMDG: 3 II UN 1268 ADR: 3 II C1 UN 1268 IATA: 3 II UN 1268

| XYLENE SUBSTITUTE, HIS | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|
| App. Clear liquid<br>Colour < 20APHA<br>Specific gravity 0.87 - 0.89<br>Acidity < 0.1%<br>Assay > 99.5%<br>Moisture < 0.2%<br>Boiling range 170 - 250°C<br>Flash point 62°C<br>Viscosity (20°C) 1.77 | | XYLN-SUB-2K5 | P | 2,5 L | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## TARTRAZINE FOR MICROSCOPY, C.I. 19140

labkem

TARIC code: 32041200 M.W.: 534,40 CAS: 1934-21-0

$C_{16}H_9N_4O_9S_2Na_3$

| TARTRAZINE (C.I. 19140) MIC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| App. Orange powder<br>Abs. max. ($H_2O$) < 425nm<br>Dye content > 80%<br>Insol. matter < 0.2%<br>Subsid. Dyes < 1.0% | As < 3.0mg/Kg<br>Pb < 40mg/Kg<br>Hg < 1.00mg/Kg<br>Cd < 1.00mg/Kg | | TART-00D-100 | G | 100 g | |

## BRILLIANT GREEN, C.I. 42040

labkem

M.W.: 482.64 CAS: 633-03-4 EC: 211-190-1 TARIC code: 32041300

$C_{27}H_{34}N_2O_4S$

| BRILLIANT GREEN (C.I. 42040) MIC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| App. Green to green-yellow crystalline powder<br>Assay > 95%<br>Loss on dry. < 5%<br>Colour yellow (pH 0.0) - pH 2.6 (green)<br>Lambda max. < 625nm | Absorption 0.94 - 1.14<br>For photometric determination of Antimony, for Bacteriology and Microscopy | | BRIL-00D-025 | P | 25 g | |

## CRYSTAL VIOLET, C.I. 42535+42555

labkem

M.W.: 407,99 CAS: 548-62-9 EC: 208-953-6 EC INDEX: 612-204-00-2 TARIC code: 32041300
UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077

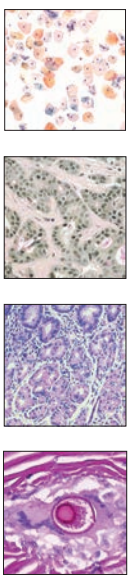
$C_{25}H_{30}ClN_3$

| CRYSTAL VIOLET (C.I. 42535 AND 42555) MIC | | LIFEKEM | reference | packaging | | price/pack |
|---|---|---|---|---|---|---|
| App. Dark Green Crystals/Powder<br>Assay 96 - 100.5%<br>Identif. A and B and C passes test<br>$H_2O$ < 7.5%<br>Res. on ignition < 1.5% | Insol. (EtOH) < 1.0%<br>As < 0.001%<br>Pb < 0.003%<br>Zn < 0.05% | | GENT-V0D-025 | P | 25 g | |

### LABKEM DYES FOR HISTOLOGY AND MICROBIOLOGY

The range covers a wide variety of high-quality products, both for common stains and special tissues. Its format of ready-to-use solutions allows to speed up the staining process.

- Ready-to-use
- Reproducible results
- Up to 100 tests per kit
- Regular stains and special staining techniques



LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368



LYNX

## BIOLOGICAL MICROSCOPE, VISION

Microscopes with solid metal frame and stain-resistant finish, designed for intensive use in educational settings. Feature monocular/binocular head inclined at 45° and rotatable 360°, or integrated 7" IPS screen for shared viewing and image presentation. Equipped with WF10X/18 mm eyepieces, quadruple nosepiece, and DIN achromatic objectives: 4X, 10X, 40X, and 100X (monocular version includes triple nosepiece without 100X). Adjustable LED illumination. Monocular: 110 x 120 mm stage with clips, coaxial fine and coarse focus, condenser N.A. 0.65 with iris diaphragm. Binocular: double-layer mechanical stage with precise scales, coaxial fine and coarse focus, Abbe condenser N.A. 1.25 with iris diaphragm. Includes filters, dust cover, and accessories. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MP01-001-001 | monocular head | 1 | |
| MP01-002-001 | binocular head | 1 | |
| MP01-00D-001 | IPS-screen head | 1 | |
| Accessories and spare parts | | | |
| MPAC-055-001 | mechanical stage 110 × 120 mm, movement range 60 x 30 mm | 1 | |
| MPAC-054-001 | 60X achromatic objective | 1 | |



LYNX

## BIOLOGICAL MICROSCOPE, VISION+

Monocular, binocular, or trinocular head (depending on model) inclined at 30°, interpupillary adjustment of 55-75 mm, and 360° rotatable. Quadruple revolving nosepiece, WF10X/18 mm eyepieces, and achromatic objectives 4X, 10X, 40X, and 100X (spring-loaded and oil immersion). Double-layer mechanical stage (132 x 142 mm) with a movement range of 75 x 40 mm. Coarse and fine coaxial focusing with 0.004 mm precision. Abbe condenser NA 1.25 with iris diaphragm and adjustable LED illumination. Includes cover, fuse, filters, and 100-240V adapter. Also available in a digital version with integrated 3MP camera, USB 2.0 output, and image capture software. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MP02-001-001 | monocular head | 1 | |
| MP02-002-001 | Seidentopf binocular head | 1 | |
| MP02-003-001 | Seidentopf trinocular head | 1 | |
| MP02-D02-001 | digital binocular head | 1 | |
| Accessories and spare parts | | | |
| MPAC-014-001 | 20X plan-achromatic objective | 1 | |
| MPAC-015-001 | 60X plan-achromatic objective | 1 | |
| MPAC-005-001 | 15X eyepiece | 1 | |
| MPAC-018-001 | 0.5X C-mount camera adapter | 1 | |

## MAGNIFYING GLASS

Black magnifier with 2.25X magnification and a focal height of 20 cm



| reference | ø (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| MGFR-050-001 | 50 | 1 | |
| MGFR-075-001 | 75 | 1 | |
| MGFR-100-001 | 100 | 1 | |

## HIGH-END BIOLOGICAL MICROSCOPE QUANTUM BM

LYNX

Binocular or trinocular head (depending on model) with infinity-corrected optical system and Seidentopf head inclined at 30°, interpupillary adjustment of 50-75mm, and 360° rotation. WF10x/20mm eyepieces and inverted quadruple nosepiece. Infinity plan achromatic objectives 4x, 10x, 40x, and 100x (oil), all with anti-fungal treatment. Double-layer mechanical stage of 155x142mm with X-Y movement of 76x50mm and Vernier scale of 0.1mm. Coaxial focusing system with 0.002mm precision and tension adjustment. Centered Abbe condenser N.A. 1.25 with iris diaphragm. Adjustable 3W LED illumination. Includes cover, fuse, filters, and 100-240V adapter. 2-year warranty



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MP03-002-001 | binocular head | 1 | |
| MP03-003-001 | trinocular head | 1 | |
| Accessories and spare parts | | | |
| MPAC-005-001 | WF15X Eyepiece | 1 | |
| MPAC-006-001 | WF20X Eyepiece | 1 | |
| MPAC-016-001 | 20X plan-achromatic objective | 1 | |
| MPAC-017-001 | 60X plan-achromatic objective | 1 | |
| MPAC-019-001 | 0.5X C-mount camera adapter | 1 | |
| MPAC-030-001 | Turret Phase Contrast Kit | 1 | |

## HIGH-END BIOLOGICAL MICROSCOPE QUANTUM Pro

LYNX

NEW

Binocular or trinocular microscope (depending on model) with infinity-corrected optical system and 30° inclined Seidentopf head, interpupillary adjustment from 47 to 75 mm and 360° rotation. Equipped with WF10X/20 mm eyepieces and reversed quadruple nosepiece with bearings for smoother and more precise operation. Infinity plan achromatic objectives 4X, 10X, 40X, and 100X (oil), all antifungal treated. Double-layer mechanical stage 140 x 140 mm, with X-Y travel of 75 x 50 mm and Vernier scale with 0.1 mm precision. Coaxial focusing system with tension adjustment, safety stop, and micrometric precision of 0.002 mm. Centerable Abbe condenser N.A. 1.25 with position scale. High-efficiency S-LED lighting, intensity adjustable. Includes cover, blue, green and grey filters, fuse, hand rest, and 100–240V adapter. Warrant 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MP04-002-001 | binocular head | 1 | |
| MP04-003-001 | trinocular head | 1 | |
| Accessories and spare parts | | | |
| MPAC-060-001 | Infinity-corrected plan achromatic objective 20X | 1 | |
| MPAC-061-001 | Infinity-corrected plan achromatic objective 60X | 1 | |
| MPAC-063-001 | WF20X eyepiece | 1 | |
| MPAC-064-001 | WF25X eyepiece | 1 | |
| MPAC-065-001 | polariser and analyser | 1 | |
| MPAC-066-001 | 0.5X C-mount camera adapter | 1 | |
| MPAC-067-001 | turret phase contrast kit | 1 | |
| MPAC-068-001 | epi-fluorescence kit | 1 | |



## PETROGRAPHIC MICROSCOPE, VISION+

Ideal for geology, mineralogy, petrography, and anisotropic materials. Available in monocular or binocular versions, designed for the observation of birefringent materials. Features an inclined head (45° for monocular, 30° for binocular) with 360° rotation and WF10X/18 mm eyepieces. Equipped with a quadruple nosepiece and DIN 45 mm achromatic objectives (4X, 10X, 40X, and 100X), Ø160 mm rotating circular stage with 1° graduations and a minimum resolution of 6' via Vernier scale. Includes rotatable analyzer (0–90°), optical compensators (¼ λ and first-order red plate), and sliding Bertrand lens for interference cone analysis. Coaxial fine and coarse focus with 0.01 mm precision, Abbe condenser N.A. 1.25 with iris diaphragm and adjustable rotating polarizer. 1 W LED illumination with intensity control. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MP02-P01-001 | monoocular head | 1 | |
| MP02-P02-001 | binocular head | 1 | |



## METALLURGICAL MICROSCOPE, QUANTUM BM

Ideal for the analysis of opaque and semi-transparent materials, quality control, and advanced metallography. Infinity-corrected optics, available in binocular or trinocular versions with a 30° inclined head, 54–75 mm interpupillary adjustment, ±5 diopter, and R:T=50:50 split. Equipped with widefield WF10X/20 mm eyepieces and inverted quadruple nosepiece with long-working-distance plan achromatic metallurgical objectives: 5X, 10X, 20X, and 50X, all anti-fungal treated. The frame includes dual illumination system: reflected (5 W Köhler-type LED) and transmitted (3 W LED), both adjustable. Double-layer mechanical stage with 190 x 150 mm glass plate and 76 x 50 mm movement, with coaxial focusing, tension adjustment, mechanical stop, and fine focus precision of 0.002 mm. Includes Abbe condenser N.A. 1.25 with centered iris diaphragm, polarizer, and 360° rotatable analyzer. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MP03-M02-001 | binocular head | 1 | |
| MP03-M03-001 | trinocular head | 1 | |



## STEREOMICROSCOPE, L45

Binocular head inclined at 45°, with diopter adjustment and interpupillary distance of 55-75 mm. WF10X/20 mm eyepieces, 2X and 4X achromatic objectives, and 20X and 40X magnifications. Rack and pinion focusing system. Stage with frosted glass and black/white plates. Rechargeable LED illumination for incident and transmitted light, 110V or 220V/12V 10W. Automatic dual voltage. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SM01-001-001 | binocular head | 1 | |

LYNX MICROSCOPES

Equipment with ergonomic design, superior optical quality, and competitive prices.

The LYNX series is perfect for both beginners and professionals seeking performance and reliability.

## STEREOMICROSCOPE, L90

LYNX

Binocular/trinocular stereomicroscope with Greenough optical system, 360° rotating and 45° inclined head, ±5 diopter adjustment, division ratio of 50/50, 20/80, 0/100, and interpupillary distance of 54-76 mm. WF10X/20 mm eyepieces and continuous zoom objective 0.7X-4.5X, with standard magnification of 7X-45X (extendable to 2.1X-270X). Rack and pinion focusing system. Adjustable LED illumination for incident and transmitted light. Base with transparent disc and specimen clips. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SM02-002-001 | binocular head | 1 | |
| SM02-003-001 | trinocular head | 1 | |
| Accessories and spare parts | | | |
| MPAC-031-001 | WF10X/20 mm eyepiece | 1 | |
| MPAC-032-001 | WF15X/15 mm eyepiece | 1 | |
| MPAC-033-001 | WF20X/10 mm eyepiece | 1 | |
| MPAC-034-001 | WF25X/9 mm eyepiece | 1 | |
| MPAC-035-001 | WF30X/8 mm eyepiece | 1 | |
| MPAC-036-001 | auxiliary lens 0.3X | 1 | |
| MPAC-037-001 | auxiliary lens 0.5X | 1 | |
| MPAC-040-001 | auxiliary lens 1.5X | 1 | |
| MPAC-041-001 | auxiliary lens 2X | 1 | |
| MPAC-044-001 | 0.5X C-mount camera adapter | 1 | |



## HIGH-END STEREOMICROSCOPE, L100

LYNX

Suitable for industrial inspection, electronics, gemology, and quality control. Available in binocular or trinocular versions with Greenough optical system and 45° inclined head, rotatable 360°, interpupillary adjustment of 54–75 mm, and bilateral diopter adjustment ±5. Equipped with WF10X/22 mm eyepieces and continuous zoom from 0.67X to 4.5X (6.7:1 ratio), providing standard magnification from 6.7X to 45X, expandable up to 270X with optional accessories. The 105 mm working distance allows comfortable observation of bulky objects. Focusing is controlled via bilateral knobs with rack-and-pinion system, and the base includes a clear glass plate with sample clips and dual adjustable LED illumination (incident and transmitted light) with intensity control. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SM03-002-001 | binocular head | 1 | |
| SM03-003-001 | trinocular head | 1 | |
| Accessories and spare parts | | | |
| MPAC-069-001 | WF10X/22 mm eyepiece | 1 | |
| MPAC-070-001 | WF15X/16 mm eyepiece | 1 | |
| MPAC-073-001 | WF30X/8 mm eyepiece | 1 | |
| MPAC-074-001 | 0.3X auxiliary lens | 1 | |
| MPAC-075-001 | 0.5X auxiliary lens | 1 | |
| MPAC-079-001 | 2X auxiliary lens | 1 | |
| MPAC-080-001 | 0.5X C-mount camera adapter | 1 | |
| MPAC-081-001 | stand | 1 | |



## OPTICAL FIBRE ILLUMINATION SYSTEM

Dual fiber optic LED lighting system for microscopy, ideal for illuminating samples without generating heat. It features two flexible arms of 590 mm that allow precise light direction. Equipped with two 3 W LED lamps (6 W total), it offers adjustable intensity from 0 to 100% and a color temperature of 6400 K (cool white), ensuring uniform, intense, and shadow-free illumination. Includes 60 long-life LEDs (up to 100,000 h), a robust metal housing, and universal power supply (85–256 V / 50–60 Hz). Dimensions: 140 x 106 x 70 mm. Color: black. Includes 1 A / 250 V fuse. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MPAC-046-001 | optical fibre illumination system | 1 | |



## DIGITAL CAMERA WITH USB OUTPUT SNAP

The Snap Series cameras, featuring Sony CMOS sensors, use USB2.0 for fast transmission. With an aluminum casing and MJPEG compression, they achieve up to 30FPS (5MP and 8MP). They integrate an ISP engine for excellent color and a cross-platform SDK (Windows, Linux, macOS, Android). Spectral range 380-650nm, ROI white balance, ultra-fine color engine, and image/video capture. They operate between-10°C and 50°C, with 30-80%RH humidity. Powered via DC 5V through USB. Compatible with Windows XP/10, macOS, and Linux; require Intel Core2 2.8GHz CPU and 2GB RAM. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CMUB-0K2-001 | IMX307(C), 1/2.8“, 1920 x 1080 Pixel, 2MP | 1 | |
| CMUB-0K5-001 | IMX335(C), 1/2.8“, 2592 x 1944 Pixel, 5MP | 1 | |
| CMUB-0K8-001 | IMX274(C), 1/2.5”, 3840 x 2160 Pixel, 8MP | 1 | |





## FULLHD HDMI CAMERA SNAP CONNECT

The Snap Connect camera is a C-mount camera with HDMI, WiFi, and SD card interfaces, equipped with a high-sensitivity Sony CMOS sensor. It allows simultaneous output via HDMI and WiFi, integrated mouse control, image capture and video recording directly onto the SD card, and a mouse control panel with functions like zoom, mirror, comparison, freeze, and browser. Its color engine ensures perfect color reproduction. Software compatible with Windows, Linux, macOS, and Android. Ideal for data transfer to HDMI displays or computers. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CMHD-002-001 | IMX185(C), 1/1.9”, 1920 x 1080 Pixel, 2MP | 1 | |



## LENS AND OPTICAL ELEMENTS CLEANING TISSUE

In packs of 100 sheets

| reference | l (mm) | w (mm) | weight/surface | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| LENS-100-100 | 100 | 150 | 11 g/m² | 100 | |



## IMMERSION OIL FOR MICROSCOPY

To be placed between the surface of the sample and the lens of the microscope to eliminate the deflection of the beam of light and improve the effectiveness of the lens considerably. Refractive index (nD) at 25°C between 1.472 and 1.480 and viscosity at 40°C between 99 and 120 cSt

| reference | type | package | price/ pack |
|---|---|---|---|
| MOIL-T02-100 | plastic dropper bottle | 100 ml | |

## CRYOGENIC LABELS, ROUND

astiK's

Labels for cryogenic storage purposes. Round shape. Withstand extreme cold temperatures from -196 °C - 121 °C. Special material engineered to expand and contract with dramatic temperature changes. Permanent adhesive. Available in rolls in various sizes of one colour or assorted. Can be written on with a pen, pencil, or permanent marker without smearing





| reference | description | pcs/pack | price/pack |
|---|---|---|---|
| CRLA-D1W-1K0 | diameter 9,5 mm, for 0,5-1,5 ml tubes, white | 1000 | |
| CRLA-D1B-1K0 | diameter 9,5 mm, for 0,5-1,5 ml tubes, blue | 1000 | |
| CRLA-D1R-1K0 | diameter 9,5 mm, for 0,5-1,5 ml tubes, red | 1000 | |
| CRLA-D1A-5K0 | diameter 9,5 mm, for 0,5-1,5 ml tubes, assorted | 5000 | |
| CRLA-D2W-1K0 | diameter 13 mm, for 1,5-2 ml tubes, white | 1000 | |
| CRLA-D2B-1K0 | diameter 13 mm, for 1,5-2 ml tubes, blue | 1000 | |
| CRLA-D2R-1K0 | diameter 13 mm, for 1,5-2 ml tubes, red | 1000 | |
| CRLA-D2A-5K0 | diameter 13 mm, for 1,5-2 ml tubes, assorted | 5000 | |
| CRLA-D3W-1K0 | diameter 19 mm, for 15-50 ml tubes, white | 1000 | |
| CRLA-D4W-500 | diameter 25 mm, for 50 ml tubes, white | 500 | |

## CRYOGENIC LABELS, RECTANGULAR

astiK's

Labels for cryogenic storage purposes. Rectangular shape. Withstand extreme cold temperatures from -196 °C - 121 °C. Special material engineered to expand and contract with dramatic temperature changes. Permanent adhesive. Available in rolls in various sizes of one colour or assorted. Can be written on with a pen, pencil, or permanent marker without smearing



| reference | dimensions (mm) | description | pcs/pack | price/pack |
|---|---|---|---|---|
| CRLA-L1W-1K5 | 21 x 7 | 21x7 mm, for 0,5 ml tubes, white | 1500 | |
| CRLA-L2W-1K0 | 24 x 13 | 24x13 mm, for 0,5 ml tubes, white | 1000 | |
| CRLA-L3W-1K0 | 33 x 13 | 33x13 mm, for 1,5/2 ml tubes, white | 1000 | |
| CRLA-L3B-1K0 | 33 x 13 | 33x13 mm, for 1,5/2 ml tubes, blue | 1000 | |
| CRLA-L3R-1K0 | 33 x 13 | 33x13 mm, for 1,5/2 ml tubes, red | 1000 | |

## CRYOTUBE WITH SCREW CAP *BASIC LINE*

astiK's

Made of polypropylene with silicone-rubber lined cap. Conical bottom and skirt. With exterior screw. Can withstand temperatures from -70 °C up to 120 °C



| reference | capacity | Ø (mm) | $Ø_{cap}$ (mm) | h (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|---|
| CRTP-018-500 | 1,8 ml | 11,0 | 13 | 46 | printed graduation, blue screw cap | 500 | |
| CRTP-R18-500 | 1,8 ml | 11,0 | 13 | 46 | printed graduation, red screw cap | 500 | |
| CRTP-N18-500 | 1,8 ml | 11,0 | 13 | 46 | printed graduation, orange screw cap | 500 | |
| CRTP-040-500 | 4,0 ml | 12,5 | 15 | 53 | without graduation, orange screw cap | 500 | |
| "Saving package" | | | | | | | |
| CRTP-018-10K | 1,8 ml | 11,0 | 13 | 46 | printed graduation, blue screw cap | 20 x 500 | |
| CRTP-R18-10K | 1,8 ml | 11,0 | 13 | 46 | printed graduation, red screw cap | 20 x 500 | |
| CRTP-N18-10K | 1,8 ml | 11,0 | 13 | 46 | printed graduation, orange screw cap | 20 x 500 | |



## CRYOTUBE WITH SCREW CAP, STERILE, *STANDARD LINE*

PP tube/HDPE Closure. Medical grade resin conforming to USP class VI. Leak proof with easy 3/4 turn and final 1/4 turn for perfect seal. Packed in resealable bags. Highly visible graduations and labeling area. Star foot design. Certified DNAse, RNAse and pyrogen-free. Withstand temperatures from-196 °C up to 40 °C. With exterior screw cap. Sterilized by gamma irradiation. Free sterilization certificate available on the website

| reference | capacity | Ø (mm) | h (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| CRTT-010-025 | 1,0 ml | 12 | 35 | printed graduation, sterile | 25 | |
| CRTT-018-025 | 1,8 ml | 12 | 48 | printed graduation, sterile | 25 | |
| CRTT-045-010 | 4,5 ml | 12 | 90 | printed graduation, sterile | 10 | |



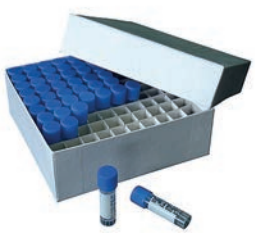




## CRYOTUBES WITH SCREW CAP, STERILE, *PREMIUM LINE*

Manufactured from virgin PP, they feature a cap with a silicone seal to ensure additional airtightness. Writing area. Can be used from-196 °C to 120 °C. Certified DNase, RNase, and pyrogen-free. Free sterilization certificate available on the website

| reference | capacity | Ø (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| External thread | | | | | | |
| CREH-S10-050 | 1 ml | 12,4 | 41,0 | external thread, round bottom, with skirt | 50 | |
| CREH-S20-050 | 2 ml | 12,4 | 48,5 | external thread, round bottom, with skirt | 50 | |
| CREH-L20-050 | 2 ml | 12,4 | 48,5 | external thread, conical bottom, with skirt | 50 | |
| CREH-R20-050 | 2 ml | 12,4 | 48,5 | external thread, round bottom | 50 | |
| CREH-S40-025 | 4 ml | 12,4 | 70,3 | external thread, round bottom, with skirt | 25 | |
| CREH-S50-025 | 5 ml | 12,4 | 91,3 | external thread, round bottom, with skirt | 25 | |
| CREH-L50-025 | 5 ml | 12,4 | 91,3 | external thread, conical bottom, with skirt | 25 | |
| CREH-R50-025 | 5 ml | 12,4 | 91,3 | external thread, round bottom | 25 | |
| Internal thread | | | | | | |
| CRTH-S10-050 | 1 ml | 12,4 | 41,0 | internal thread, round bottom, with skirt | 50 | |
| CRTH-S20-050 | 2 ml | 12,4 | 48,5 | internal thread, round bottom, with skirt | 50 | |
| CRTH-L20-050 | 2 ml | 12,4 | 48,5 | internal thread, conical bottom, with skirt | 50 | |
| CRTH-R20-050 | 2 ml | 12,4 | 48,5 | internal thread, round bottom | 50 | |
| CRTH-S40-025 | 4 ml | 12,4 | 70,3 | internal thread, round bottom, with skirt | 25 | |
| CRTH-S50-025 | 5 ml | 12,4 | 91,3 | internal thread, round bottom, with skirt | 25 | |
| CRTH-L50-025 | 5 ml | 12,4 | 91,3 | internal thread, conical bottom, with skirt | 25 | |
| CRTH-R50-025 | 5 ml | 12,4 | 91,3 | internal thread, round bottom | 25 | |



## CARTON FREEZER BOX FOR 4 ml CRYOTUBES

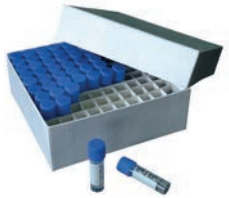
Delivered already assembled. Suitable for use in ultrafreezers down to-80°C

| reference | h (mm) | l (mm) | w (mm) | color | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CBOX-082-001 | 76 | 134 | 134 | up to 81 tubes (Ømax. 14 mm) white | 1 | |
| CBOX-101-001 | 76 | 134 | 134 | up to 100 tubes (Ømax. 12 mm) white | 1 | |

## CARTON FREEZER BOX FOR CRYOTUBES UP TO 2 ml

Delivered already assembled. Suitable for use in ultrafreezers down to-80 °C

| reference | h (mm) | l (mm) | w (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| CBOX-081-001 | 47 | 134 | 134 | up to 81 tubes (Ømax. 14 mm) white | 1 | |
| CBOX-R81-001 | 47 | 134 | 134 | up to 81 tubes (Ømax. 14 mm) red | 1 | |
| CBOX-B81-001 | 47 | 134 | 134 | up to 81 tubes (Ømax. 14 mm) blue | 1 | |
| CBOX-G81-001 | 47 | 134 | 134 | up to 81 tubes (Ømax. 14 mm) green | 1 | |
| CBOX-Y81-001 | 47 | 134 | 134 | up to 81 tubes (Ømax. 14 mm) yellow | 1 | |
| CBOX-N81-001 | 47 | 134 | 134 | up to 81 tubes (Ømax. 14 mm) orange | 1 | |
| CBOX-100-001 | 47 | 134 | 134 | up to 100 tubes (Ømax. 12 mm) white | 1 | |
| CBOX-10R-001 | 47 | 134 | 134 | up to 100 tubes (Ømax. 12 mm) red | 1 | |
| CBOX-10B-001 | 47 | 134 | 134 | up to 100 tubes (Ømax. 12 mm) blue | 1 | |
| CBOX-10G-001 | 47 | 134 | 134 | up to 100 tubes (Ømax. 12 mm) green | 1 | |
| CBOX-10Y-001 | 47 | 134 | 134 | up to 100 tubes (Ømax. 12 mm) yellow | 1 | |
| CBOX-10N-001 | 47 | 134 | 134 | up to 100 tubes (Ømax. 12 mm) orange | 1 | |
| “Saving package” | | | | | | |
| CBOX-081-096 | 47 | 134 | 134 | up to 81 tubes (Ømax. 14 mm) white | 96 | |
| CBOX-100-096 | 47 | 134 | 134 | up to 100 tubes (Ømax. 12 mm) white | 96 | |

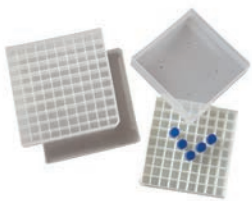




## PLASTIC FREEZER BOX FOR CRYOTUBES AND VIALS

Made of polypropylene. Suitable for freezing. Natural colour

| reference | h (mm) | l (mm) | w (mm) | capacity | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| FBXP-081-001 | 51 | 128 | 128 | up to 81 vials 1,8/2 ml (Ømax. 12 mm) | 1 | |
| FBXP-100-001 | 53 | 140 | 140 | up to 100 vials 1,8/2 ml (Ømax. 12 mm) | 1 | |



## PP FREEZER BOX FOR CRYOTUBES WITH NUMERICAL GRID ON LID

Alphanumeric numeration printed on lid and bottom (withstand temperatures from-90 °C up to +120 °C)

| reference | h (mm) | l (mm) | w (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| FBXP-B02-001 | 51 | 130 | 130 | blue, for 81 tubes up to 2 ml (Ømax. 12 mm) | 1 | |
| FBXP-G02-001 | 51 | 130 | 130 | green, for 81 tubes up to 2 ml (Ømax. 12 mm) | 1 | |
| FBXP-R02-001 | 51 | 130 | 130 | red, for 81 tubes up to 2 ml (Ømax. 12 mm) | 1 | |
| FBXP-Y02-001 | 51 | 130 | 130 | yellow, for 81 tubes up to 2 ml (Ømax. 12 mm) | 1 | |
| FBXP-B10-001 | 51 | 134 | 134 | blue, for 100 tubes up to 2 ml (Ømax. 12 mm) | 1 | |
| FBXP-G10-001 | 51 | 134 | 134 | green, for 100 tubes up to 2 ml (Ømax. 12 mm) | 1 | |
| FBXP-R10-001 | 51 | 134 | 134 | red, for 100 tubes up to 2 ml (Ømax. 12 mm) | 1 | |
| FBXP-Y10-001 | 51 | 134 | 134 | yellow, for 100 tubes up to 2 ml (Ømax. 12 mm) | 1 | |

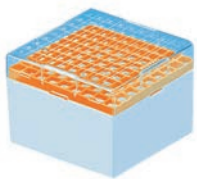




## PP FREEZER BOX FOR CRYOTUBES WITH SNAP-ON LID

Made of polypropylene. Suitable for freezing (withstands temperatures from -130 °C up to +130 °C). 100 positions suitable for cryotubes up to 2 ml, microtubes 1.5 or 2 ml and chromatography vials 12 x 32 mm. Lid attached to the base with a hinge. Available in two colours. Autoclavable

| reference | h (mm) | l (mm) | w (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| FBXP-K03-001 | 50 | 140 | 140 | clear/yellow, for 100 tubes (Ømax. 12 mm) | 1 | |
| FBXP-K04-001 | 50 | 140 | 140 | clear/blue, for 100 tubes (Ømax. 12 mm) | 1 | |



## PC FREEZER STORAGE BOXES FOR CRYOTUBES WITH NUMERIC GRADUATION ON LID

Made of Polycarbonate (PC). Orange color. Withstands temperatures from-196 °C up to 120 °C. Printed grid on the lid

| reference | h (mm) | l (mm) | w (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| FBPC-N02-001 | 52 | 133 | 133 | for 81 tubes up to 2 ml (Ømax. 12 mm) | 1 | |
| FBPC-N04-001 | 82 | 133 | 133 | for 81 tubes up to 4 ml (Ømax. 12 mm) | 1 | |
| FBPC-N05-001 | 95 | 133 | 133 | for 81 tubes up to 5 ml (Ømax. 12 mm) | 1 | |



## RACK FOR CRYOTUBES, PC

Freezing rack made of PC material with transparent lid and alphanumeric code. For tubes with Ømax 12 mm

| reference | h (mm) | l (mm) | w (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| FBXP-C81-001 | 54 | 131 | 131 | blue, for 81 tubes | 1 | |
| FBXP-C10-001 | 52 | 133 | 133 | green, for 100 tubes | 1 | |




## FLEXIBLE COLD ACCUMULATOR FOR POSITIVE TEMPERATURES

For positive temperatures between 2 °C and 8 °C. Non-toxic gel. Without dyes or additives. Totally safe in case of spillage. Can be completely discarded into any conventional container as it requires no special treatment. Suitable for transporting pharmaceutical, biological, food, chemical, and, in general, for any product that requires temperature controlled during transport

| reference | base weight (g) | dimensions (mm) | pcs/pack | price/pack |
|---|---|---|---|---|
| IGPK-250-006 | 200 | 170 x 125 x 30 | 6 | |
| IGPK-400-006 | 400 | 170 x 145 x 30 | 6 | |



## STIFF COLD ACCUMULATOR FOR POSITIVE TEMPERATURES

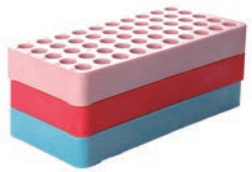
For positive temperatures between 2 °C and 8 °C. Water based eutectic solution and non-toxic glycol. Format very resistant to compression, prevents deformation of the accumulator once frozen and possible breakage and spillage, allows intensive reuse. Can be completely discarded into any conventional container as it requires no special treatment. Suitable for transporting pharmaceutical, biological, food, chemical, and, in general, for any product that requires temperature control during transport

| reference | base weight (g) | dimensions (mm) | pcs/pack | price/pack |
|---|---|---|---|---|
| ILPK-400-005 | 400 | 165 x 90 x 30 | 5 | |

## RACK FOR CRYOTUBES, PP

astiK's

This rack holds up to 50 cryogenic tubes with round bottoms or with skirts. The skirted tubes lock into the rack, allowing easy one-handed opening and closing of the caps. Each position is identified by an alphanumeric index

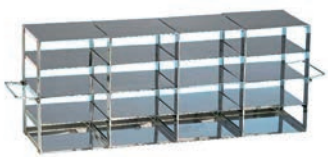


| reference | h (mm) | l (mm) | w (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| RRTH-B50-001 | 25 | 208 | 93 | blue, 50 tubes up to 2 ml (Ømax. 12 mm) | 1 | |
| RRTH-R50-001 | 25 | 208 | 93 | red, 50 tubes up to 2 ml (Ømax. 12 mm) | 1 | |
| RRTH-G50-001 | 25 | 208 | 93 | green, 50 tubes up to 2 ml (Ømax. 12 mm) | 1 | |

## RACKS FOR UPRIGHT FREEZERS

clink

Made of stainless steel. For boxes of 135 x 135 mm. Delivery time 2 weeks



| reference | h (mm) | l (mm) | w (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| RACV-33A-001 | 165 | 420 | 140 | for 3 x 3 cryoboxes of 50 mm tall | 1 | |
| RACV-43A-001 | 223 | 420 | 140 | for 4 x 3 cryoboxes of 50 mm tall | 1 | |
| RACV-53A-001 | 277 | 420 | 140 | for 5 x 3 cryoboxes of 50 mm tall | 1 | |
| RACV-44A-001 | 223 | 560 | 140 | for 4 x 4 cryoboxes of 50 mm tall | 1 | |
| RACV-54A-001 | 277 | 560 | 140 | for 5 x 4 cryoboxes of 50 mm tall | 1 | |
| RACV-33B-001 | 245 | 420 | 140 | for 3 x 3 cryoboxes of 75 mm tall | 1 | |
| RACV-34B-001 | 245 | 560 | 140 | for 3 x 4 cryoboxes of 75 mm tall | 1 | |
| RACV-23C-001 | 200 | 420 | 140 | for 2 x 3 cryoboxes of 95 mm tall | 1 | |
| RACV-24C-001 | 200 | 560 | 140 | for 2 x 4 cryoboxes of 95 mm tall | 1 | |
| RACV-23D-001 | 265 | 420 | 140 | for 2 x 3 cryoboxes of 125 mm tall | 1 | |
| RACV-24D-001 | 265 | 560 | 140 | for 2 x 4 cryoboxes of 125 mm tall | 1 | |

## RACKS FOR UPRIGHT FREEZERS WITH REMOVABLE TRAYS

clink

Made of stainless steel. For boxes of 135 x 135 mm. The removable trays allow to use the carton boxes without having to remove the complete rack. Delivery time 2 weeks



| reference | h (mm) | l (mm) | w (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| RACE-33A-001 | 170 | 440 | 143 | for 3 x 3 cryoboxes of 50 mm tall | 1 | |
| RACE-43A-001 | 230 | 440 | 143 | for 4 x 3 cryoboxes of 50 mm tall | 1 | |
| RACE-53A-001 | 285 | 440 | 143 | for 5 x 3 cryoboxes of 50 mm tall | 1 | |
| RACE-44A-001 | 230 | 580 | 143 | for 4 x 4 cryoboxes of 50 mm tall | 1 | |
| RACE-54A-001 | 285 | 580 | 143 | for 5 x 4 cryoboxes of 50 mm tall | 1 | |
| RACE-33B-001 | 250 | 440 | 143 | for 3 x 3 cryoboxes of 75 mm tall | 1 | |
| RACE-34B-001 | 250 | 580 | 143 | for 3 x 4 cryoboxes of 75 mm tall | 1 | |
| RACE-23C-001 | 210 | 440 | 143 | for 2 x 3 cryoboxes of 95 mm tall | 1 | |
| RACE-24C-001 | 210 | 580 | 143 | for 2 x 4 cryoboxes of 95 mm tall | 1 | |
| RACE-23D-001 | 275 | 440 | 143 | for 2 x 3 cryoboxes of 125 mm tall | 1 | |
| RACE-24D-001 | 275 | 580 | 143 | for 2 x 4 cryoboxes of 125 mm tall | 1 | |

clink

## RACKS FOR CHEST FREEZERS

Made of stainless steel. For boxes of 135 x 135 mm. Delivery time 2 weeks



| reference | h (mm) | l (mm) | w (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| RACH-05A-001 | 280 | 140 | 140 | for 5 cryoboxes of 50 mm tall | 1 | |
| RACH-07A-001 | 390 | 140 | 140 | for 7 cryoboxes of 50 mm tall | 1 | |
| RACH-08A-001 | 445 | 140 | 140 | for 8 cryoboxes of 50 mm tall | 1 | |
| RACH-09A-001 | 500 | 140 | 140 | for 9 cryoboxes of 50 mm tall | 1 | |
| RACH-10A-001 | 555 | 140 | 140 | for 10 cryoboxes of 50 mm tall | 1 | |
| RACH-11A-001 | 610 | 140 | 140 | for 11 cryoboxes of 50 mm tall | 1 | |
| RACH-12A-001 | 665 | 140 | 140 | for 12 cryoboxes of 50 mm tall | 1 | |
| RACH-13A-001 | 720 | 140 | 140 | for 13 cryoboxes of 50 mm tall | 1 | |
| RACH-05B-001 | 405 | 140 | 140 | for 5 cryoboxes of 75 mm tall | 1 | |
| RACH-06B-001 | 485 | 140 | 140 | for 6 cryoboxes of 75 mm tall | 1 | |
| RACH-07B-001 | 565 | 140 | 140 | for 7 cryoboxes of 75 mm tall | 1 | |
| RACH-08B-001 | 645 | 140 | 140 | for 8 cryoboxes of 75 mm tall | 1 | |
| RACH-09B-001 | 725 | 140 | 140 | for 9 cryoboxes of 75 mm tall | 1 | |
| RACH-04C-001 | 400 | 140 | 140 | for 4 cryoboxes of 95 mm tall | 1 | |
| RACH-05C-001 | 500 | 140 | 140 | for 5 cryoboxes of 95 mm tall | 1 | |
| RACH-06C-001 | 600 | 140 | 140 | for 6 cryoboxes of 95 mm tall | 1 | |
| RACH-07C-001 | 700 | 140 | 140 | for 7 cryoboxes of 95 mm tall | 1 | |
| RACH-04D-001 | 525 | 140 | 140 | for 4 cryoboxes of 125 mm tall | 1 | |
| RACH-05D-001 | 655 | 140 | 140 | for 5 cryoboxes of 125 mm tall | 1 | |

astiK's

## ISOTHERMAL CONTAINER

Polypropylene (PP) Isothermal container for intensive and professional use. The thermic insulation is ensured by injection of polyurethane between the container walls. Suitable for transporting substances where it is necessary to maintain a constant temperature. Blue/White. Bridge handle with safety blocking mechanism. Temperature range -40°C to +80°C

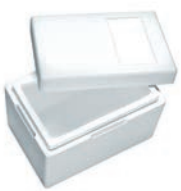


| reference | capacity | internal dimensions (length x width x height) | external dimensions (length x width x height) | weight (kg) | pcs/pack | price/pack |
|---|---|---|---|---|---|---|
| ISOC-025-001 | 25 L | 370 x 180 x 250 | 420 x 250 x 350 | 2 | 1 | |
| ISOC-032-001 | 32 L | 390 x 230 x 270 | 440 x 260 x 380 | 2,5 | 1 | |

astiK's

## EPS ISOTHERMAL BOX

Expanded polystyrene (EPS) packaging, it optimally isolates products and, due to its thermal properties, guarantees the maintenance of the cold chain. High strength and reduced weight. 100% recyclable material. Not foldable



| reference | capacity | int. dim. (L x W x H) | ext. dim. (L x W x H) | thickness (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| EPSB-035-001 | 3,5 L | 165 x 165 x 130 | 225 x 225 x 195 | 30 | 1 | |
| EPSB-047-001 | 4,7 L | 270 x 140 x 125 | 330 x 200 x 185 | 30 | 1 | |
| EPSB-073-001 | 7,3 L | 270 x 165 x 165 | 330 x 225 x 225 | 30 | 1 | |

## ICE BUCKET WITH LID, POLYURETHANE

astiK's

Blue color. Durable and rigid. Unbreakable in normal use. Convenient handle makes it easy to transporta. Excellent insulating properties suitable for use with liquid nitrogen, dry ice, water ice, salt solution and acetone



| reference | capacity | dimensions (mm) | pcs/pack | price/pack |
|---|---|---|---|---|
| ICEP-B01-001 | 2.5 L | 283 x 283 x 130 | 1 | |
| ICEP-B02-001 | 4.5 L | 280 x 280 x 185 | 1 | |

## COOLER FOR CENTRIFUGE TUBES

astiK's

Designed in PC to keep reagents and enzymes cool. Suitable for a multitude of centrifuge tubes. Red color. Capacity of 12 tubes of up to 15 ml, array of 3x4. Protects samples from temperature fluctuations. The base is filled with non-toxic gel. Will maintain temperature approximately for 1 hour on the bench. Freeze for 24 hours at-5°C to-10°C prior to use



| reference | dimensions (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|
| CRYO-R12-001 | 197 x 140 x 190 | 3 x 4 array | 1 | |

## COOLER FOR MICROTUBES

astiK's

Designed in PC to keep reagents and enzymes cool. Capacity for 12 microtubes or cryotubes of up to 2 ml, array of 3x4. Protects samples from temperature fluctuations. The base is filled with non-toxic gel. Yellow color. Will maintain temperature approximately for 1 hour on the bench. Freeze for 24 hours at-20°C to-25°C prior to use

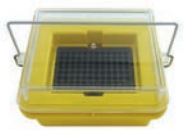


| reference | dimensions (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|
| CRYO-Y12-001 | 190 x 140 x 120 | 3 x 4 array | 1 | |

## COOLER FOR PCR

astiK's

This cooler is designed in polycarbonate (PC) to protect enzymes and solutions by maintaining them at temperatures between-20°C and-15°C up to 2 hours during sample preparations on the bench. Base is filled with non-toxic gel. Yellow color. The aluminum block has 96 (8x12) wells to hold tubes, strips or plates of 0,2ml. Freeze for 24hrs at -20°C to-25°C prior to use



| reference | dimensions (mm) | type | pcs/pack | price/pack |
|---|---|---|---|---|
| CRYO-Y96-001 | 240 x 200 x 145 | 8 x 12 array | 1 | |

### PLASTIC RESISTANCE TO TEMPERATURE (FOR REGULAR USE)

Check the following table to find out the temperature ranges that the most commonly used plastics in laboratories and industry can stand.

| MATERIAL | RANGE |
|---|---|
| ABS | -40 °C to +85 °C |
| HDPE | -50 °C to +80 °C |
| PC | -100 °C to +135 °C |
| PE | -40 °C to +80 °C |
| PP | -10 °C to +120 °C |
| PS | -10 °C to +70 °C |
| PTFE | -200 °C to +260 °C |

| MATERIAL | RANGE |
|---|---|
| PVC | -20 °C to +80 °C |
| PVDF | -40 °C to +105 °C |
| LDPE | -50 °C to +75 °C |
| PA | -30 °C to +80 °C |
| PMMA | -40 °C to +85 °C |
| PMP | 0 °C to +120 °C |
| POM | -40 °C to +90 °C |

clink

## METAL COOLING BLOCK



Anodized aluminum blocks for keeping PCR tubes (0.2- 2.0 ml) at low temperature after cooling. Excellent thermal conductivity, UV resistance, and alcohol disinfection compatibility. Used for handling temperature-sensitive samples such as DNA, RNA, or enzymes. Available in various formats and compatible with silicone bases for improved thermal stability

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CRME-096-001 | for 96 tubes of 0.2 ml, V bottom | 1 | |
| CRME-060-001 | for 60 tubes of 0.2 - 1.5 ml | 1 | |
| CRME-02V-001 | for 24 tubes of 1.5 ml, V bottom | 1 | |
| CRME-02F-001 | for 24 tubes of 2.0 ml, flat bottom | 1 | |
| CRSL-00S-001 | silicone base for CRME-096-001 | 1 | |
| CRSL-00B-001 | silicone base for CRME-060-001 and CRME-02*-001 | 1 | |

astiK's

## LIQUID COOLING BLOCK FOR PCR



Reusable cooling system for 0.2 ml PCR tubes and plates. After 2 hours of pre-freezing at-20 °C, it maintains samples at 0 °C for over 1 hour, protecting them from thermal degradation. A clean and effective alternative to ice, ideal for preparation and preservation of sensitive samples before PCR reaction. Compatible with individual tubes, strips, and 96-well plates

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| ICEC-096-001 | for 96 tubes of 0.2 ml, blue | 1 | |

astiK's

## FREEZING CONTAINER, FOAM INSERT



Designed for use with cryogenic tubes, these freezing containers provide simple cooling of samples at the optimal rate to preserve cells. Made with a polycarbonate container, HDPE closure and tube support, and foam insert, they offer a critical and repeatable cooling rate of-1 °C per minute, which is necessary for successful cryopreservation and cell recovery. Includes inserts for 1.0, 1.8, and 2.0 ml tubes, with a capacity for 18 tubes.

| reference | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ICEC-018-001 | 117 | 86 | 1 | |

astiK's

## FREEZING CONTAINER, PE INSERT AND ALLOY



The cell freezing container, made with cross-linked polyethylene foam and a solid-state core, provides alcohol-free freezing at a rate of-1 °C per minute, ideal for the cryopreservation of most cells and cell lines. With a capacity for 12 standard cryogenic vials from 1.0 mL to 2.0 mL, it is easy to use and offers consistent and reproducible freezing profiles, ensuring high recovery and cell viability. The vial caps are exposed when the lid is opened, allowing for quick and organized extraction of frozen samples. The high-quality polyethylene foam material and alloy core ensure that the freezing environment or other nearby frozen samples are not affected.

| reference | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ICEC-012-001 | 116 | 98 | 1 | |




# GENERAL LABORATORY



## LBG BEAKER SET, LOW FORM, LBG

Contains one unit of each of the following capacities: 50, 100, 250, 500 and 1000 ml. Graduated beakers with spout. Made of borosilicate glass LBG 3.3. According to DIN 12331, ISO 3819

| reference | capacities | pcs/ pack | price/ pack |
|---|---|---|---|
| BKL3-KIT-001 | 50, 100, 250, 500, 1000 ml | 1 | |




## LBG BEAKER, LOW FORM, LBG

Graduated, with spout. Made of borosilicate glass LBG 3.3. According to DIN 12331, ISO 3819

| reference | volume | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BKL3-025-001 | 25 ml | 34 | 54 | 1 | |
| BKL3-050-001 | 50 ml | 42 | 62 | 1 | |
| BKL3-100-001 | 100 ml | 50 | 72 | 1 | |
| BKL3-150-001 | 150 ml | 60 | 82 | 1 | |
| BKL3-250-001 | 250 ml | 70 | 97 | 1 | |
| BKL3-400-001 | 400 ml | 80 | 113 | 1 | |
| BKL3-500-001 | 500 ml | 85 | 118 | 1 | |
| BKL3-600-001 | 600 ml | 90 | 128 | 1 | |
| BKL3-800-001 | 800 ml | 100 | 138 | 1 | |
| BKL3-1K0-001 | 1000 ml | 105 | 148 | 1 | |
| BKL3-2K0-001 | 2000 ml | 130 | 188 | 1 | |
| BKL3-3K0-001 | 3000 ml | 150 | 214 | 1 | |
| BKL3-5K0-001 | 5000 ml | 170 | 274 | 1 | |
| “Saving package” | | | | | |
| BKL3-025-012 | 25 ml | 34 | 54 | 12 | |
| BKL3-050-012 | 50 ml | 42 | 62 | 12 | |
| BKL3-100-012 | 100 ml | 50 | 72 | 12 | |
| BKL3-150-012 | 150 ml | 60 | 82 | 12 | |
| BKL3-250-012 | 250 ml | 70 | 97 | 12 | |
| BKL3-400-006 | 400 ml | 80 | 113 | 6 | |
| BKL3-500-006 | 500 ml | 85 | 118 | 6 | |
| BKL3-600-006 | 600 ml | 90 | 128 | 6 | |
| BKL3-800-006 | 800 ml | 100 | 138 | 6 | |
| BKL3-1K0-006 | 1000 ml | 105 | 148 | 6 | |
| BKL3-2K0-012 | 2000 ml | 130 | 188 | 12 | |

## BEAKER, LOW FORM, GLASSCO

Made of 3.3 borosilicate glass (upper grade). Graduated and with spout. According to DIN 12331 and ISO 3819

| reference | volume | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BKLG-025-010 | 25 ml | 34 | 51 | 10 | |
| BKLG-050-012 | 50 ml | 42 | 60 | 12 | |
| BKLG-100-012 | 100 ml | 50 | 70 | 12 | |
| BKLG-150-010 | 150 ml | 60 | 88 | 10 | |
| BKLG-250-012 | 250 ml | 70 | 95 | 12 | |
| BKLG-400-010 | 400 ml | 80 | 110 | 10 | |
| BKLG-600-006 | 600 ml | 90 | 125 | 6 | |
| BKLG-1K0-006 | 1000 ml | 105 | 157 | 6 | |
| BKLG-2K0-004 | 2000 ml | 132 | 185 | 4 | |
| BKLG-3K0-001 | 3000 ml | 152 | 210 | 1 | |
| BKLG-5K0-001 | 5000 ml | 170 | 270 | 1 | |
| BKLG-10K-001 | 10000 ml | 220 | 350 | 1 | |




## BEAKER, TALL FORM, LBG

Graduated, with spout. Made of borosilicate glass LBG 3.3. According to DIN 12331, ISO 3819

| reference | capacity | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BKT3-050-001 | 50 ml | 38 | 72 | 1 | |
| BKT3-100-001 | 100 ml | 48 | 82 | 1 | |
| BKT3-150-001 | 150 ml | 54 | 97 | 1 | |
| BKT3-250-001 | 250 ml | 60 | 123 | 1 | |
| BKT3-400-001 | 400 ml | 70 | 133 | 1 | |
| BKT3-500-001 | 500 ml | 79 | 140 | 1 | |
| BKT3-600-001 | 600 ml | 80 | 153 | 1 | |
| BKT3-800-001 | 800 ml | 90 | 178 | 1 | |
| BKT3-1K0-001 | 1000 ml | 95 | 183 | 1 | |
| BKT3-2K0-001 | 2000 ml | 120 | 244 | 1 | |
| “Saving package” | | | | | |
| BKT3-050-012 | 50 ml | 38 | 72 | 12 | |
| BKT3-100-012 | 100 ml | 48 | 82 | 12 | |
| BKT3-150-012 | 150 ml | 54 | 97 | 12 | |
| BKT3-250-012 | 250 ml | 60 | 123 | 12 | |
| BKT3-400-006 | 400 ml | 70 | 133 | 6 | |
| BKT3-500-006 | 500 ml | 79 | 140 | 6 | |
| BKT3-600-006 | 600 ml | 80 | 153 | 6 | |
| BKT3-800-006 | 800 ml | 90 | 178 | 6 | |
| BKT3-1K0-006 | 1000 ml | 95 | 183 | 6 | |
| BKT3-2K0-012 | 2000 ml | 120 | 244 | 12 | |






## BEAKER, TALL FORM, GLASSCO

Made of 3.3 borosilicate glass (upper grade). Graduated, with spout. According to DIN 12331 and ISO 3819

| reference | capacity | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BKTG-050-010 | 50 ml | 38 | 70 | 10 | |
| BKTG-100-010 | 100 ml | 48 | 80 | 10 | |
| BKTG-250-010 | 250 ml | 60 | 120 | 10 | |
| BKTG-600-008 | 600 ml | 80 | 150 | 8 | |

## THICK-WALLED BEAKER, LOW FORM WITH DOUBLE CAPACITY SCALE, LBG

Made of 3.3 borosilicate glass. These beakers are stronger than standard beakers. High mechanical resistance thanks to a thick and reinforced wall, which is less prone to breakage during washing, has longer life time and increased user safety. Graduated and with spout. According to ISO 3819




| reference | capacity | graduation | graduation range | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BKLH-050-010 | 50 ml | 5 ml | 5 - 40 ml | 10 | |
| BKLH-150-010 | 150 ml | 15 ml | 15 - 120 ml | 10 | |
| BKLH-250-010 | 250 ml | 25 ml | 25 - 200 ml | 10 | |
| BKLH-400-006 | 400 ml | 25 ml | 25 - 300 ml | 6 | |
| BKLH-600-006 | 600 ml | 50 ml | 50 - 500 ml | 6 | |
| BKLH-1K0-001 | 1000 ml | 50 ml | 100 - 900 ml | 1 | |
| BKLH-2K0-001 | 2000 ml | 100 ml | 200 - 1800 ml | 1 | |
| BKLH-4K0-001 | 4000 ml | 250 ml | 500 - 3500 ml | 1 | |

## THICK-WALLED BEAKER, LOW FORM WITH DOUBLE CAPACITY SCALE, GLASSCO

Made of 3.3 borosilicate glass (upper grade). These beakers are stronger than standard beakers. High mechanical resistance thanks to their thick and reinforced wall. They are less prone to breakage during washing, have a longer lifespan and provide increased user safety. Graduated and with a spout. According to ASTM E 438 and ASTM E 960. Caution: This glassware is not recommended for use on hot plates



| reference | capacity | graduation | graduation range | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BKLR-250-012 | 250 ml | 25 ml | 25 - 200 ml | 12 | |
| BKLR-400-012 | 400 ml | 25 ml | 25 - 325 ml | 12 | |
| BKLR-600-006 | 600 ml | 50 ml | 100 - 500 ml | 6 | |
| BKLR-1K0-006 | 1000 ml | 50 ml | 100 - 900 ml | 6 | |
| BKLR-2K0-004 | 2000 ml | 200 ml | 200 - 1800 ml | 4 | |
| BKLR-4K0-001 | 4000 ml | 250 ml | 250 - 3500 ml | 1 | |

Available in standard size and economy size

## BEAKER, LOW FORM, WITH HANDLE, LBG

LBG

Graduated, with spout and handle. Made of borosilicate glass LBG 3.3

| reference | capacity | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BKHH-100-001 | 100 ml | 56 | 71 | 1 | |
| BKHH-250-001 | 250 ml | 70 | 98 | 1 | |
| BKHH-400-001 | 400 ml | 81 | 113 | 1 | |
| BKHH-600-001 | 600 ml | 90 | 128 | 1 | |
| “Saving package” | | | | | |
| BKHH-100-008 | 100 ml | 56 | 71 | 8 | |
| BKHH-250-006 | 250 ml | 70 | 98 | 6 | |
| BKHH-400-006 | 400 ml | 81 | 113 | 6 | |
| BKHH-600-004 | 600 ml | 90 | 128 | 4 | |




## BEAKER, PTFE

astiK’s

Without graduations. Withstand temperatures up to 280 °C

| reference | capacity | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BKLT-025-001 | 25 ml | 32 | 47 | 1 | |
| BKLT-050-001 | 50 ml | 43 | 55 | 1 | |
| BKLT-100-001 | 100 ml | 54 | 68 | 1 | |
| BKLT-250-001 | 250 ml | 66 | 97 | 1 | |
| BKLT-500-001 | 500 ml | 80 | 125 | 1 | |
| BKLT-1K0-001 | 1000 ml | 100 | 155 | 1 | |
| BKLT-2K0-001 | 2000 ml | 120 | 210 | 1 | |



## BEAKER, POLYPROPYLENE

astiK’s

With raised graduations. Autoclavable at 121 °C. According to ISO 7056

| reference | capacity | graduation | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BKLP-025-012 | 25 ml | 5 ml | 35 | 50 | 12 | |
| BKLP-050-012 | 50 ml | 5 ml | 45 | 60 | 12 | |
| BKLP-100-012 | 100 ml | 5 ml | 55 | 70 | 12 | |
| BKLP-250-012 | 250 ml | 10 ml | 75 | 100 | 12 | |
| BKLP-500-012 | 500 ml | 10 ml | 95 | 120 | 12 | |
| BKLP-1K0-006 | 1000 ml | 20 ml | 115 | 150 | 6 | |
| BKLP-2K0-006 | 2000 ml | 50 ml | 145 | 185 | 6 | |
| BKLP-5K0-002 | 5000 ml | 200 ml | 180 | 260 | 2 | |



## astiK's BEAKER, LOW FORM, PMP

121°

Made of Polymethylpentene (PMP/TPX®). Higher transparency, chemical resistance and better heat tolerance than PP. Temperature range:-20 °C to +121 °C. Autoclavable. Easy to read silk screened graduations. Stackable. According to ISO 7056:1981




| reference | capacity | graduation | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BKLX-050-012 | 50 ml | 5 ml | 49,4 | 58,4 | 12 | |
| BKLX-100-012 | 100 ml | 10 ml | 63,2 | 72,5 | 12 | |
| BKLX-250-006 | 250 ml | 25 ml | 83,1 | 92,1 | 6 | |
| BKLX-600-004 | 600 ml | 50 ml | 110,3 | 131 | 4 | |
| BKLX-1K0-003 | 1000 ml | 50 ml | 129,4 | 149,2 | 3 | |
| BKLX-2K0-001 | 2000 ml | 100 ml | 158,5 | 190,2 | 1 | |
| BKLX-5K0-001 | 5000 ml | 500 ml | 202,9 | 260,5 | 1 | |
| BKLX-10K-001 | 10000 ml | 1000 ml | 255,4 | 326,6 | 1 | |

## clink BEAKER, STAINLESS STEEL

121°

With rim and spout. Without graduations. Reference BKLS-5KA-001 has a handle



| reference | capacity | Ø inside (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BKLS-100-001 | 100 ml | 50 | 60 | 1 | |
| BKLS-250-001 | 250 ml | 65 | 85 | 1 | |
| BKLS-500-001 | 500 ml | 80 | 110 | 1 | |
| BKLS-1K0-001 | 1000 ml | 100 | 130 | 1 | |
| BKLS-2K0-001 | 2000 ml | 120 | 180 | 1 | |
| BKLS-3K0-001 | 3000 ml | 150 | 180 | 1 | |
| BKLS-5KA-001 | 5000 ml | 180 | 210 | 1 | |

## LBG ERLENMEYER FLASK, NARROW NECK, LBG

121°

Graduated. Made of borosilicate glass LBG 3.3. According to DIN 12380, ISO 1773

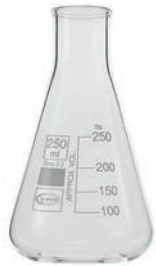



| reference | capacity | Ø base (mm) | h (mm) | Ø inner mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| EFN3-025-001 | 25 ml | 42 | 70 | 16 | 1 | |
| EFN3-050-001 | 50 ml | 51 | 85 | 18 | 1 | |
| EFN3-100-001 | 100 ml | 64 | 105 | 22 | 1 | |
| EFN3-250-001 | 250 ml | 85 | 140 | 30 | 1 | |
| EFN3-500-001 | 500 ml | 105 | 175 | 30 | 1 | |
| EFN3-1K0-001 | 1000 ml | 131 | 220 | 38 | 1 | |
| EFN3-2K0-001 | 2000 ml | 166 | 280 | 40 | 1 | |
| EFN3-3K0-001 | 3000 ml | 187 | 310 | 44 | 1 | |
| EFN3-5K0-001 | 5000 ml | 220 | 365 | 55 | 1 | |
| “Saving package” | | | | | | |
| EFN3-025-012 | 25 ml | 42 | 70 | 16 | 12 | |
| EFN3-050-012 | 50 ml | 51 | 85 | 18 | 12 | |
| EFN3-100-012 | 100 ml | 64 | 105 | 22 | 12 | |
| EFN3-250-012 | 250 ml | 85 | 140 | 30 | 12 | |
| EFN3-500-008 | 500 ml | 105 | 175 | 30 | 8 | |
| EFN3-1K0-006 | 1000 ml | 131 | 220 | 38 | 6 | |

## ERLENMEYER FLASK, NARROW NECK, GLASSCO

Graduated. Made of top quality 3.3 borosilicate glass. According to DIN 12380, ISO 1773

| reference | capacity | Ø base (mm) | h (mm) | Ø outer mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| EFNG-025-010 | 25 ml | 42 | 75 | 22 | 10 | |
| EFNG-050-010 | 50 ml | 51 | 90 | 22 | 10 | |
| EFNG-100-010 | 100 ml | 64 | 105 | 24 | 10 | |
| EFNG-250-010 | 250 ml | 85 | 145 | 34 | 10 | |
| EFNG-500-010 | 500 ml | 105 | 180 | 34 | 10 | |
| EFNG-1K0-010 | 1000 ml | 131 | 220 | 34 | 10 | |
| EFNG-2K0-006 | 2000 ml | 166 | 280 | 50 | 6 | |
| EFNG-3K0-001 | 3000 ml | 187 | 310 | 52 | 1 | |
| EFNG-5K0-001 | 5000 ml | 220 | 365 | 52 | 1 | |




## ERLENMEYER FLASK, WIDE NECK, LBG

Graduated. Made of borosilicate glass LBG 3.3. According to DIN 12385

| reference | capacity | Ø base (mm) | h (mm) | Ø outer mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| EFW3-050-001 | 50 ml | 51 | 85 | 34 | 1 | |
| EFW3-100-001 | 100 ml | 64 | 105 | 34 | 1 | |
| EFW3-150-001 | 150 ml | 72 | 120 | 50 | 1 | |
| EFW3-250-001 | 250 ml | 85 | 140 | 50 | 1 | |
| EFW3-500-001 | 500 ml | 105 | 175 | 50 | 1 | |
| EFW3-1K0-001 | 1000 ml | 131 | 220 | 50 | 1 | |
| EFW3-2K0-001 | 2000 ml | 166 | 275 | 72 | 1 | |
| EFW3-3K0-001 | 3000 ml | 191 | 285 | 106 | 1 | |
| “Saving package” | | | | | | |
| EFW3-050-012 | 50 ml | 51 | 85 | 34 | 12 | |
| EFW3-100-012 | 100 ml | 64 | 105 | 34 | 12 | |
| EFW3-150-012 | 150 ml | 72 | 120 | 50 | 12 | |
| EFW3-250-010 | 250 ml | 85 | 140 | 50 | 10 | |
| EFW3-500-008 | 500 ml | 105 | 175 | 50 | 8 | |
| EFW3-1K0-006 | 1000 ml | 131 | 220 | 50 | 6 | |




## ERLENMEYER FLASK, WIDE NECK, GLASSCO

Graduated. Made of top quality 3.3 borosilicate glass. According to DIN 12385, EN ISO 24450

| reference | capacity | Ø base (mm) | h (mm) | Ø outer mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| EFWG-050-010 | 50 ml | 51 | 85 | 34 | 10 | |
| EFWG-100-010 | 100 ml | 64 | 105 | 34 | 10 | |
| EFWG-250-010 | 250 ml | 85 | 145 | 50 | 10 | |
| EFWG-500-010 | 500 ml | 105 | 180 | 50 | 10 | |
| EFWG-1K0-010 | 1000 ml | 131 | 220 | 50 | 10 | |
| EFWG-2K0-006 | 2000 ml | 166 | 276 | 76 | 6 | |





## ERLENMEYER FLASK WITH GL THREAD AND SCREW CAP

Made of top quality 3.3 borosilicate glass. With GL thread and screw cap with a PTFE joint. According to DIN 12380, ISO 1773

| reference | capacity | Ø base (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| EFS3-051-010 | 50 ml | 51 | 85 | GL 25 | 10 | |
| EFS3-101-010 | 100 ml | 64 | 114 | GL 25 | 10 | |
| EFS3-251-010 | 250 ml | 85 | 143 | GL 32 | 10 | |
| EFS3-501-010 | 500 ml | 105 | 183 | GL 32 | 10 | |
| EFS3-1K1-006 | 1000 ml | 131 | 230 | GL 32 | 6 | |



## ERLENMEYER, POLYPROPYLENE

With screw cap. Autoclavable at 121 °C

| reference | capacity | Ø base (mm) | h (mm) | Ø outer mouth (mm) | Ø inner mouth (mm) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|---|
| EFSP-101-012 | 100 ml | 65 | 110 | 35,8 | 32,3 | graduated | 12 | |
| EFSP-251-012 | 250 ml | 85 | 150 | 48 | 44 | graduated | 12 | |
| EFSP-500-012 | 500 ml | 106 | 185 | 48 | 44 | non graduated | 12 | |



## ERLENMEYER FLASK, POLYPROPYLENE

Standardized neck. Ideal for general laboratory use. Autoclavable at 121 °C (15- 20 min)

| reference | capacity | graduation (ml) | mouth | Ø base (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| EFJP-050-005 | 50 ml | 5 ml | 14/23 | 50 | 75 | 5 | |
| EFJP-125-005 | 125 ml | 25 ml | 14/23 | 65 | 105 | 5 | |
| EFJP-250-005 | 250 ml | 25 ml | 19/26 | 80 | 140 | 5 | |
| EFJP-500-002 | 500 ml | 50 ml | 24/29 | 100 | 185 | 2 | |
| EFJP-1K0-002 | 1000 ml | 50 ml | 29/32 | 130 | 235 | 2 | |
| EFJP-2K0-001 | 2000 ml | 100 ml | 34/35 | 160 | 260 | 1 | |



## CLOSED LEAD RING

Made of PVC coated steel. Designed to stabilize erlenmeyer flasks immersed in water

| reference | Ø inside (mm) | Ø outer (mm) | weight (g) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| WEIR-048-001 | 45 | 82 | 260 | for 125 - 500 ml narrow neck flasks | 1 | |
| WEIR-056-001 | 56 | 90 | 520 | for 250 - 1000 ml narrow neck flasks | 1 | |
| WEIR-061-001 | 61 | 95 | 830 | for 500 - 2000 ml narrow neck flasks | 1 | |
| WEIR-074-001 | 74 | 108 | 1000 | for 1000 - 4000 ml narrow neck flasks | 1 | |



## KJELDAHL FLASK

For nitrogen determination. Made of borosilicate glass LBG 3.3

| reference | capacity | Ø bulb (mm) | h (mm) | Ø mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| NFL3-100-006 | 100 ml | 60 | 200 | 22 | 6 | |
| NFL3-250-002 | 250 ml | 81 | 270 | 34 | 2 | |
| NFL3-500-002 | 500 ml | 101 | 300 | 34 | 2 | |

## BOILING FLASK, ROUND BOTTOM, NARROW NECK

Made of borosilicate glass LBG 3.3

LBG

121°

| reference | capacity | Ø (mm) | $h_{total}$ (mm) | $Ø_{mouth}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BFK3-050-012 | 50 ml | 53 | 100 | 20 | 12 | |
| BFK3-100-012 | 100 ml | 63 | 120 | 21 | 12 | |
| BFK3-250-012 | 250 ml | 88 | 165 | 25 | 12 | |
| BFK3-500-008 | 500 ml | 110 | 210 | 30 | 8 | |
| BFK3-1K0-006 | 1000 ml | 140 | 260 | 35 | 6 | |
| BFK3-2K0-002 | 2000 ml | 175 | 305 | 40 | 2 | |



## BOILING FLASK, FLAT BOTTOM, NARROW NECK

Made of borosilicate glass LBG 3.3

LBG

121°

| reference | capacity | Ø (mm) | $h_{total}$ (mm) | $Ø_{inner}$ mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BFG3-050-012 | 50 ml | 53 | 108 | 18 | 12 | |
| BFG3-100-012 | 100 ml | 62 | 108 | 21 | 12 | |
| BFG3-250-012 | 250 ml | 88 | 152 | 34 | 12 | |
| BFG3-500-008 | 500 ml | 106 | 172 | 28 | 8 | |
| BFG3-1K0-006 | 1000 ml | 130 | 205 | 28 | 6 | |
| BFG3-2K0-002 | 2000 ml | 160 | 246 | 40 | 2 | |
| BFG3-3K0-001 | 3000 ml | 185 | 365 | 45 | 1 | |



## MEASURING JUG, POLYPROPYLENE

With raised graduations. Autoclavable at 121 °C

astiK's

121°

| reference | capacity | graduation | $Ø_{outer\ top}$ (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MJUP-250-012 | 250 ml | 10 ml | 75 | 95 | 12 | |
| MJUP-500-012 | 500 ml | 25 ml | 95 | 118 | 12 | |
| MJUP-1K0-006 | 1000 ml | 50 ml | 120 | 132 | 6 | |
| MJUP-2K0-006 | 2000 ml | 100 ml | 145 | 165 | 6 | |
| MJUP-3K0-006 | 3000 ml | 100 ml | 170 | 185 | 6 | |
| MJUP-5K0-004 | 5000 ml | 250 ml | 190 | 225 | 4 | |



## MEASURING JUG, STAINLESS STEEL

Autoclavable at 121 °C

clink

121°

| reference | capacity | graduation | $Ø_{outer\ top}$ (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MJUS-250-001 | 250 ml | 50 ml | 80 | 95 | 1 | |
| MJUS-500-001 | 500 ml | 50 ml | 95 | 125 | 1 | |
| MJUS-1K0-001 | 1000 ml | 50 ml | 128 | 135 | 1 | |





## LBG CONICAL PRESSED MEASURING FLASK

Made of soda-lime glass. Raised scale

| reference | capacity | Ø outer top (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| COMN-060-001 | 60 ml | 60 | 102 | 1 | |
| COMN-125-001 | 125 ml | 87 | 115 | 1 | |
| COMN-250-001 | 250 ml | 108 | 148 | 1 | |
| COMN-500-001 | 500 ml | 124 | 166 | 1 | |



## HDN PORCELAIN MORTAR WITH PESTLE *PREMIUM LINE*

121°

Made of upper grade porcelain. Unglazed inside but fine polished. Price includes mortar and pestle. You can find spare 'Pestle for porcelain mortar' on our website

| reference | capacity | Ø outer top (mm) | Ø inner top (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MORK-060-001 | 60 ml | 80 | 60 | 44 | 1 | |
| MORK-100-001 | 100 ml | 90 | 75 | 48 | 1 | |
| MORK-150-001 | 150 ml | 105 | 85 | 70 | 1 | |
| MORK-275-001 | 275 ml | 125 | 100 | 70 | 1 | |
| MORK-550-001 | 550 ml | 155 | 125 | 88 | 1 | |
| MORK-900-001 | 900 ml | 180 | 150 | 100 | 1 | |
| MORK-1K5-001 | 1500 ml | 200 | 175 | 115 | 1 | |
| MORK-2K0-001 | 2000 ml | 230 | 175 | 140 | 1 | |
| MORK-4K2-001 | 4200 ml | 285 | 250 | 175 | 1 | |



## LBG GLASS MORTAR WITH PESTLE *PREMIUM LINE*

Made of soda-lime glass. Glazed inside and outside. Price includes mortar and pestle

| reference | capacity | Ø top (mm) | l pestle (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| MORV-050-001 | 50 ml | 60 | 80 | 1 | |
| MORV-100-001 | 100 ml | 80 | 100 | 1 | |
| MORV-250-001 | 250 ml | 100 | 120 | 1 | |
| MORV-500-001 | 500 ml | 120 | 140 | 1 | |
| MORV-1K0-001 | 1000 ml | 150 | 160 | 1 | |



## LBG GLASS MORTAR WITH PESTLE

Made of neutral glass LBG N. Price includes mortar and pestle. With rough inner surface (unglazed)

| reference | capacity | Ø outer top (mm) | Ø inner top (mm) | h total (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MORN-060-001 | 40 ml | 70 | 60 | 40 | 1 | |
| MORN-075-001 | 75 ml | 85 | 75 | 50 | 1 | |
| MORN-090-001 | 160 ml | 100 | 90 | 60 | 1 | |
| MORN-120-001 | 300 ml | 130 | 120 | 75 | 1 | |
| MORN-150-001 | 650 ml | 165 | 150 | 85 | 1 | |
| MORN-180-001 | 1100 ml | 195 | 180 | 100 | 1 | |

## STAINLESS STEEL MORTAR WITH PESTLE

clink

121°

Made of 304 stainless steel. Price includes mortar and pestle

| reference | capacity | Ø (mm) | $h_{int.}$ (mm) | $h_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MORA-110-001 | 250 ml | 110 | 65 | 90 | 1 | |
| MORA-140-001 | 500 ml | 140 | 75 | 100 | 1 | |
| MORA-100-001 | 1800 ml | 180 | 110 | 140 | 1 | |
| MORA-200-001 | 2300 ml | 200 | 120 | 150 | 1 | |



## AGATE MORTAR WITH PESTLE *PREMIUM LINE*

HDN

121°

Mortar with hexagonal shape made of high hardness and abrasion resistant agate. The hardness is 7 on the Mohs scale and 83 on the Rockwell scale (45N). Inner and outer surfaces fine polished. Price includes mortar and pestle. Due to the manufacturing process of these mortars, the dimensions mentioned in catalog are approximate and could be subject to change

| reference | capacity | $Ø_{outer}$ (mm) | $Ø_{inside}$ (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MORG-050-001 | 10 ml | 50 | 38 | 28 | 1 | |
| MORG-078-001 | 22 ml | 76 | 63 | 35 | 1 | |
| MORG-100-001 | 50 ml | 100 | 88 | 41 | 1 | |
| MORG-115-001 | 90 ml | 114 | 100 | 43 | 1 | |
| MORG-125-001 | 120 ml | 125 | 114 | 65 | 1 | |



## HIGH ALUMINA MORTAR WITH PESTLE *PREMIUM LINE*

HDN

121°

Aluminum oxide (99.7%, $Al_2O_3$) mortar with a high resistance to corrosion by chemical substances and a high degree of hardness. The hardness is 7 on the Mohs scale and 83 on the Rockwell scale (45N). Recommended for the use with liquid nitrogen. Price includes mortar and pestle

| reference | capacity | $Ø_{outer\ top}$ (mm) | $Ø_{inner\ top}$ (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MORL-050-001 | 30 ml | 50 | 45 | 25 | 1 | |
| MORL-075-001 | 60 ml | 75 | 68 | 40 | 1 | |
| MORL-100-001 | 160 ml | 100 | 95 | 50 | 1 | |
| MORL-125-001 | 400 ml | 125 | 116 | 75 | 1 | |
| MORL-150-001 | 550 ml | 150 | 140 | 80 | 1 | |



## CRYSTALLIZING DISH WITH SPOUT

LBG

121°

Made of borosilicate glass LBG 3.3

| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CDI3-080-006 | 80 ml | 60 | 40 | 6 | |
| CDI3-200-006 | 200 ml | 90 | 45 | 6 | |
| CDI3-300-006 | 300 ml | 100 | 50 | 6 | |
| CDI3-600-002 | 600 ml | 125 | 63 | 2 | |
| CDI3-1K0-002 | 1000 ml | 150 | 75 | 2 | |
| CDI3-2K0-002 | 2000 ml | 180 | 90 | 2 | |





## LBG CRYSTALLIZING DISH, THICK GLASS

121°

Made of soda-lime glass

| reference | capacity | Ø inside (mm) | h total (mm) | h int. (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CDIN-1K5-001 | 1200 ml | 150 | 90 | 69 | 1 | |
| CDIN-2K5-001 | 2100 ml | 180 | 100 | 90 | 1 | |
| CDIN-3K8-001 | 3300 ml | 210 | 110 | 100 | 1 | |




## GLASSCO CRYSTALLIZING DISH *PREMIUM LINE*

121°

Made of top quality 3.3 borosilicate glass

| reference | capacity | Ø inside (mm) | h total (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CDIG-060-001 | 60 ml | 60 | 35 | 1 | |
| CDIG-100-001 | 100 ml | 70 | 40 | 1 | |
| CDIG-150-001 | 150 ml | 80 | 45 | 1 | |
| CDIG-300-001 | 300 ml | 95 | 55 | 1 | |
| “Saving package” | | | | | |
| CDIG-060-010 | 60 ml | 60 | 35 | 10 | |
| CDIG-100-010 | 100 ml | 70 | 40 | 10 | |
| CDIG-150-010 | 150 ml | 80 | 45 | 10 | |
| CDIG-300-010 | 300 ml | 95 | 55 | 10 | |



## astiK's CRYSTALLIZING DISH, HIGH VOLUME, POLYPROPYLENE

121°

Without spout. Autoclavable at 121 °C

| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CDIP-1K5-001 | 1500 ml | 180 | 60 | 1 | |
| CDIP-3K0-001 | 3000 ml | 200 | 100 | 1 | |
| CDIP-4K9-001 | 4900 ml | 250 | 100 | 1 | |




## LBG EVAPORATING DISH, GLASS, FLAT BOTTOM

121°

With spout. Made of borosilicate glass LBG 3.3

| reference | capacity | Ø top (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| EDF3-045-006 | 45 ml | 60 | 30 | 6 | |
| EDF3-100-006 | 100 ml | 90 | 45 | 6 | |
| EDF3-300-002 | 300 ml | 120 | 60 | 2 | |
| EDF3-600-002 | 600 ml | 150 | 75 | 2 | |

## STAINLESS STEEL BOWL

clink

121°

With lip, flat bottom

| reference | capacity | Ø top (mm) | Ø base (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| EDFS-070-001 | 70 ml | 60 | 29 | 35 | 1 | |
| EDFS-150-001 | 160 ml | 80 | 40 | 45 | 1 | |
| EDFS-300-001 | 250 ml | 100 | 53 | 55 | 1 | |
| EDFS-500-001 | 400 ml | 120 | 62 | 60 | 1 | |
| EDFS-1K0-001 | 1000 ml | 180 | 90 | 85 | 1 | |
| EDFS-2K0-001 | 2000 ml | 200 | 95 | 100 | 1 | |



## EVAPORATING DISH, PORCELAIN, ROUND BOTTOM *PREMIUM LINE*

HDN

121°

Made of top quality porcelain. Withstand temperatures up to 1150 °C. Round form with lip. Glazed inside

| reference | capacity | Ø top (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| EVRK-035-006 | 35 ml | 60 | 22 | 6 | |
| EVRK-070-006 | 70 ml | 75 | 30 | 6 | |
| EVRK-120-006 | 120 ml | 94 | 42 | 6 | |
| EVRK-250-006 | 250 ml | 115 | 47 | 6 | |
| EVRK-385-001 | 385 ml | 145 | 52 | 1 | |
| EVRK-525-001 | 525 ml | 162 | 52 | 1 | |
| EVRK-765-001 | 765 ml | 185 | 60 | 1 | |
| EVRK-1K3-001 | 1285 ml | 215 | 80 | 1 | |



## EVAPORATING DISH, PORCELAIN, FLAT BOTTOM *PREMIUM LINE*

HDN

121°

Made of top quality porcelain. Withstand temperatures up to 1150 °C. Shallow form with lip. Glazed inside

| reference | capacity | Ø top (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| EVFK-035-006 | 35 ml | 70 | 18 | 6 | |
| EVFK-050-006 | 50 ml | 85 | 20 | 6 | |
| EVFK-080-006 | 80 ml | 95 | 24 | 6 | |
| EVFK-100-006 | 100 ml | 110 | 26 | 6 | |
| EVFK-200-006 | 200 ml | 125 | 33 | 6 | |
| EVFK-300-006 | 300 ml | 155 | 33 | 6 | |
| EVFK-500-001 | 500 ml | 180 | 35 | 1 | |
| EVFK-1K0-001 | 1000 ml | 210 | 38 | 1 | |



## EVAPORATING DISH, LOW FORM, PTFE

astiK's

121°

Manufactured from pure PTFE with a smooth internal finish. Chemically inert, usable at up to 280 °C

| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| EDLT-050-001 | 50 ml | 82 | 15 | 1 | |
| EDLT-100-001 | 100 ml | 102 | 20 | 1 | |
| EDLT-350-001 | 350 ml | 132 | 36 | 1 | |





## LBG MELTING POINT CAPILLARY TUBES

Made of borosilicate glass LBG 3.3. Available with one sealed end (A) and with two open ends (B). Tubes with two open ends (B) can also be used for sample transfer to thin-layer chromatography plates (TLC)

| reference | l (mm) | Ø inside (mm) | Ø outer (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MPC3-090-500 | 90 | 1,1 - 1,2 | 1,5 - 1,6 | A | 500 | |
| MPC3-092-500 | 90 | 1,1 - 1,2 | 1,5 - 1,6 | B | 500 | |

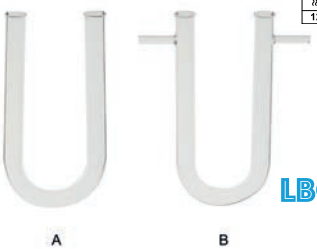


## LBG THIELE MELTING POINT TUBE

121°

Made of borosilicate glass LBG 3.3

| reference | Ø tube (mm) | Ø side (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| MPT3-150-005 | 22 | 10 | 150 | 5 | |




## LBG DRYING TUBE, U-SHAPE

121°

Made of borosilicate glass LBG 3.3

| reference | Ø outer (mm) | Ø inside (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DRU3-150-001 | 15 | 11,8 | 150 | without side hose (A) | 1 | |
| DRU3-151-001 | 15 | 11,8 | 150 | with Ø 6 mm side hose (B) | 1 | |



## LBG WATCH GLASS DISH

Made of neutral glass LBG N

| reference | Ø (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| WDIN-045-010 | 45 | 10 | |
| WDIN-060-010 | 60 | 10 | |
| WDIN-080-010 | 80 | 10 | |
| WDIN-100-010 | 100 | 10 | |
| WDIN-120-010 | 120 | 10 | |
| WDIN-150-010 | 150 | 10 | |
| WDIN-180-010 | 180 | 10 | |



## LBG WATCH GLASS *PREMIUM LINE*

Made of soda-lime glass. Glazed rims. According to DIN 12341

| reference | Ø (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| WDIN-P40-010 | 40 | 10 | |
| WDIN-P60-010 | 60 | 10 | |
| WDIN-P80-010 | 80 | 10 | |
| WDIN-10P-010 | 100 | 10 | |
| WDIN-12P-010 | 125 | 10 | |
| WDIN-15P-010 | 150 | 10 | |
| WDIN-20P-010 | 200 | 10 | |

## WATCH GLASS DISH, PTFE

astiK's

Ideally suited for covering beakers. Isostatically molded in pure, FDA approved, PTFE. Totally chemically resistant and inert. Use up to 280 °C

121°

| reference | Ø (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| PTFW-020-001 | 20 | 1 | |
| PTFW-030-001 | 30 | 1 | |
| PTFW-040-001 | 40 | 1 | |
| PTFW-050-001 | 50 | 1 | |
| PTFW-065-001 | 65 | 1 | |
| PTFW-075-001 | 75 | 1 | |
| PTFW-080-001 | 80 | 1 | |
| PTFW-100-001 | 100 | 1 | |
| PTFW-125-001 | 125 | 1 | |
| PTFW-150-001 | 150 | 1 | |
| PTFW-200-001 | 200 | 1 | |



## WEIGHING BOTTLE, LOW FORM, WITH LID

LBG

Made of borosilicate glass LBG 3.3

121°

| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| WBL3-030-006 | 10 ml | 30 | 20 | 6 | |
| WBL3-035-006 | 18 ml | 35 | 25 | 6 | |
| WBL3-040-006 | 30 ml | 40 | 30 | 6 | |
| WBL3-050-006 | 50 ml | 50 | 30 | 6 | |
| WBL3-060-006 | 75 ml | 60 | 30 | 6 | |
| WBL3-070-006 | 145 ml | 70 | 40 | 6 | |




## WEIGHING BOTTLE, TALL FORM, WITH LID

LBG

Made of borosilicate glass LBG 3.3

121°

| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| WBT3-024-006 | 8 ml | 25 | 25 | 6 | |
| WBT3-025-006 | 15 ml | 25 | 40 | 6 | |
| WBT3-030-006 | 30 ml | 30 | 50 | 6 | |
| WBT3-040-006 | 55 ml | 40 | 50 | 6 | |
| WBT3-045-006 | 100 ml | 45 | 70 | 6 | |




### THE USES OF WATCH GLASSES IN THE LABORATORY

Watch glasses are basic and versatile tools in the laboratory. Their design, with a slight curvature and thin edges, allows them to be used in various applications. One of their main uses is as a surface for **weighing solid substances**, as they prevent contamination and facilitate the transfer of materials. They are also useful for **evaporation**, as their wide surface allows solvents to evaporate quickly. Additionally, watch glasses serve to **cover beakers**, preventing contamination or substance loss while allowing observation of the contents.

## WEIGHING BOTTLE, PP, WITH LID

Transparent. With hermetic seal lid. Cylindrical shape

| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| WBLP-030-012 | 30 ml | 34 | 73 | 12 | |
| WBLP-050-012 | 50 ml | 54 | 52 | 12 | |



## DESICCATOR WITH KNOBBED LID

Polypropylene base and polycarbonate transparent lid. Includes a silicon ring between lid and base to ensure sealing. Polypropylene plate included. See the spare parts available for these desiccators on our website

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| DE1P-200-001 | dessicator Øint: 200 mm | 1 | |
| DE1P-250-001 | dessicator Øint: 250 mm | 1 | |
| DE1P-300-001 | dessicator Øint: 300 mm | 1 | |




## VACUUM TYPE DESICCATOR, PLASTIC STOPCOCK

Polypropylene base and polycarbonate transparent lid. With a basket for desiccant (only available for 200 mm diameter and 250 mm diameter models). Includes a silicon ring between lid and base to ensure sealing. Connector for 10 mm (200 and 250 models) and 8 mm (300 model) inner diameter tubing. Polypropylene plate included. See the spare parts available for these desiccators on our website

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| DE2P-200-001 | dessicator Øint: 200 mm (A) | 1 | |
| DE2P-250-001 | dessicator Øint: 250 mm (A) | 1 | |
| DE2P-300-001 | dessicator Øint: 300 mm (B) | 1 | |



## SPARE PARTS FOR PLASTIC DESICCATORS

For desiccators with knobbed lid (DE1P) and vacuum type desiccators (DE2P)

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| DEPP-201-001 | plate for DE1P-200-001 dessicator | 1 | |
| DEPP-200-001 | plate for DE2P-200-001 dessicator | 1 | |
| DEPP-251-001 | plate for DE1P-250-001 dessicator | 1 | |
| DEPP-250-001 | plate for DE2P-250-001 dessicator | 1 | |
| DEPP-300-001 | plate for DE1P-300-001 and DE2P-300-001 dessicators | 1 | |



## DESICCATOR, GLASS *BASIC LINE*

Made of neutral glass LBG N. Porcelain plate included

| reference | capacity | $Ø_{body}$ (mm) | $Ø_{plate}$ (mm) | $h_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DE01-150-002 | 1,5 L | 150 | 135 | 220 | 2 | |
| DE01-200-001 | 4 L | 210 | 180 | 300 | 1 | |
| DE01-250-001 | 6 L | 240 | 210 | 350 | 1 | |
| DE01-300-001 | 10 L | 300 | 275 | 400 | 1 | |

## VACUUM TYPE DESICCATOR, GLASS STOPCOCK AND LID *BASIC LINE*

LBG

Made of neutral glass LBG N. Porcelain plate included. Connector for 8 mm inner diameter tubing

| reference | capacity | Ø body (mm) | Ø plate (mm) | h total (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DE02-150-002 | 1,5 L | 150 | 135 | 220 | 2 | |
| DE02-200-001 | 4 L | 210 | 180 | 308 | 1 | |
| DE02-250-001 | 6 L | 240 | 210 | 358 | 1 | |
| DE02-300-001 | 10 L | 300 | 275 | 408 | 1 | |



## REPLACEMENT LID FOR DESICCATOR *BASIC LINE*

LBG

Spare parts for Basic Line desiccators. Lids for vacuum type desiccators include glass stopcock

| reference | Ø outer (mm) | Ø inside (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| DEL1-150-001 | 210 | 150 | for DE01-150-002 | 1 | |
| DEL1-200-001 | 269 | 218 | for DE01-200-001 | 1 | |
| DEL1-250-001 | 306 | 247 | for DE01-250-001 | 1 | |
| DEL1-300-001 | 366 | 303 | for DE01-300-001 | 1 | |
| DEL2-150-001 | 210 | 150 | for DE02-150-002 | 1 | |
| DEL2-200-001 | 269 | 218 | for DE02-200-001 | 1 | |
| DEL2-250-001 | 306 | 247 | for DE02-250-001 | 1 | |
| DEL2-300-001 | 366 | 303 | for DE02-300-001 | 1 | |





## DESICCATOR WITH KNOBBED LID *PREMIUM LINE*

LBG

Made of soda glass. Porcelain plate included

| reference | capacity | Ø body (mm) | Ø plate (mm) | h total (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DE06-150-001 | 1,5 L | 150 | 145 | 225 | 1 | |
| DE06-200-001 | 4 L | 200 | 195 | 240 | 1 | |
| DE06-250-001 | 6 L | 250 | 240 | 280 | 1 | |
| DE06-300-001 | 10 L | 300 | 275 | 415 | 1 | |



## VACUUM TYPE DESICCATOR, GLASS STOPCOCK AND LID *PREMIUM LINE*

LBG

Made of soda glass. Porcelain plate included. Connector for 8 mm inner diameter tubing

| reference | capacity | Ø body (mm) | Ø plate (mm) | h total (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DE05-150-001 | 1,5 L | 150 | 145 | 225 | 1 | |
| DE05-200-001 | 4 L | 200 | 195 | 240 | 1 | |
| DE05-250-001 | 6 L | 250 | 240 | 280 | 1 | |
| DE05-300-001 | 10 L | 300 | 275 | 415 | 1 | |





## LBG VACUUM TYPE DESICCATOR WITH LID AND LATERAL HOSE *PREMIUM LINE*

Made of soda glass. Porcelain plate included. Connector for 8 mm inner diameter tubing

| reference | capacity | Ø body (mm) | Ø plate (mm) | h total (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DE07-150-001 | 1,5 L | 150 | 145 | 225 | 1 | |
| DE07-200-001 | 4 L | 200 | 195 | 240 | 1 | |
| DE07-250-001 | 6 L | 250 | 240 | 280 | 1 | |
| DE07-300-001 | 10 L | 300 | 275 | 415 | 1 | |

## LBG REPLACEMENT LID FOR DESICCATOR *PREMIUM LINE*

Spare parts for Premium Line desiccators. Lids for vacuum type desiccators include glass stopcock. Connector of the glass stopcock for 8 mm inner diameter tubing





| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| DEL6-150-001 | for DE06-150-001 | 1 | |
| DEL6-200-001 | for DE06-200-001 | 1 | |
| DEL6-250-001 | for DE06-250-001 | 1 | |
| DEL6-300-001 | for DE06-300-001 | 1 | |
| DEL5-150-001 | for DE05-150-001 | 1 | |
| DEL5-200-001 | for DE05-200-001 | 1 | |
| DEL5-250-001 | for DE05-250-001 | 1 | |
| DEL5-300-001 | for DE05-300-001 | 1 | |
| DE05-A01-001 | glass stopcock for DE05 | 1 | |
| DEL7-150-001 | for DE07-150-001 | 1 | |
| DEL7-200-001 | for DE07-200-001 | 1 | |
| DEL7-250-001 | for DE07-250-001 | 1 | |
| DEL7-300-001 | for DE07-300-001 | 1 | |

## HDN DESICCATOR PLATE, PORCELAIN, *PREMIUM LINE*

Made of top quality porcelain. Withstand temperatures up to 1150 °C. High chemical resistance. Suitable for any standard desiccator and for Basic Line desiccators. Glazed on one side. Autoclavable



| reference | Ø (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| DEPK-140-001 | 140 | 1 | |
| DEPK-190-001 | 190 | 1 | |
| DEPK-210-001 | 210 | 1 | |
| DEPK-240-001 | 240 | 1 | |
| DEPK-275-001 | 275 | 1 | |

## PROFESSIONAL CUTTER

With non-slip rubber handle and adjustment screw. 18 mm metal blade. Blade locking system



| reference | l total (mm) | blade (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CTTR-001-001 | 160 | 18 | 1 | |

## LABKEM SILICA GEL FOR DESICCATORS

labkem

With indicator changing from orange to green when absorbing humidity. Orange indicator is classified as “non toxic”, avoiding to use the common blue silica gel including cobalt chloride as indicator (cobalt chloride is classified as “toxic”). Water absorption: (RH20%, 7 min) ≥ 9.0% | (RH50%, 19 min) ≥ 22% | (RH80%, 26 min) ≥ 38.0%. Regeneration: 100-120 °C (aprox. 1 hour)



| reference | particle size | package | price/ pack |
|---|---|---|---|
| SGE0-002-1K0 | 2 - 4 mm | 1 kg | |
| SGE0-002-3K0 | 2 - 4 mm | 3 kg | |

## PARAFILM M SEALING FILM

Sealing film made of polyolefines and paraffin waxes. Service temperature from –45 °C up to +50 °C (melting point +60 °C). Resistant to saline solutions, most common inorganic acids and bases used in laboratory and some organics solvents (methanol, ethanol and 2-propanol). Not resistant to diethylether, chloroform, carbon tetrachloride, benzene or toluene.




| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PRFL-001-001 | 38 m x 10 cm roll | 1 | |
| PRFL-002-001 | 75 m x 5 cm roll | 1 | |
| “Saving package” | | | |
| PRFL-001-012 | 38 m x 10 cm roll | 12 | |
| PRFL-002-024 | 75 m x 5 cm roll | 24 | |

## PARAFILM M DISPENSER

astiK’s

Used for storing, dispensing and cutting Parafilm®M. Made of white acrylic. Can hold both 5 cm and 10 cm rolls, tapes and labels. Can easily cut thanks to super sharp serrated blades. Openable top lid allows easy replacement of the paraflim rolls. The dispenser does not include Parafilm



| reference | external dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| PRFL-DIS-001 | 180 x 120 x 160 | 1 | |

## ALUMINIUM FOIL, PRE-CUT

For packing, covering, and insulation. Pre-cut pieces, available in both round and square shapes. Thickness: 20 µm



| reference | dimensions (mm) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ALFC-100-500 | Ø 100 mm | round | 500 | |
| ALFC-150-500 | Ø 150 mm | round | 500 | |
| ALFS-100-500 | 100 x 100 mm | square | 500 | |
| ALFS-150-500 | 150 x 150 mm | square | 500 | |

## ALUMINIUM FOIL

For packing, covering, and insulation. Packed in individual dispenser box with cutter bar. Thickness: 13 µm



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| ALFO-030-001 | 30 m x 29 cm roll | 1 | |
| ALFO-250-001 | 250 m x 29 cm roll | 1 | |



## LABORATORY MARKER SET

For the special requirements of the laboratory. Set of three markers with three different colors: black, blue, and red. Bullet nib. Specially designed for surfaces of laboratory equipment such as slides, reaction vessels, labware and labels. Ink with high resistance to alcohol (can only be erased with strong friction) and water, but erasable with acetone and xylene

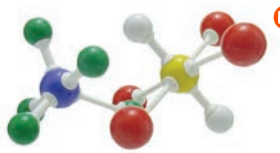
| reference | length (mm) | Ø (mm) | color | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| PLMB-KIT-003 | 132 | 11 | black, blue, red | 3 | |

## EDDING LABORATORY MARKER

For the special requirements of the laboratory. Available in black. Bullet nib. Fine nib for clear labelling on small surfaces. Particularly suited for smooth and transparent surfaces e.g. slides, reaction vessels, labware and labels. Quick-drying, smudge-proof, waterproof, lightfast and low-odour. Extreme resistance to abrasion and high temperatures-tested and approved by TÜV Saarland. Permanent on plastic, erasable in glass with alcohol-based cleaner




| reference | stroke thickness (mm) | model | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PLME-001-001 | 0,75 | edding 8015F | 1 | |
| PLME-002-001 | 1 | edding 8014 | 1 | |
| “Saving package” | | | | |
| PLME-001-010 | 0,75 | edding 8015F | 10 | |
| PLME-002-010 | 1 | edding 8014 | 10 | |





## MOLECULAR MODEL SET

Gives a better insight to students into the three dimensional aspects of molecules and chemical compounds. The sets consists of colored plastic balls in different diameters and follows a universal color code in representing various elements. The balls have one or more holes and may be inter-connected to each other by white plastic unions that represent valency bonds and the structures so formed represent molecules or compounds. See the detailed technical sheet of this product on our website

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MOLM-001-001 | Student set, box with 47 balls, 10 long bonds and 25 short bonds | 1 | |
| MOLM-002-001 | Teacher set, box with 100 balls, 36 long bonds and 50 short bonds | 1 | |



## INDICATOR TAPE FOR STERILIZATION

Self-adhesive tape with impregnated paper turning to colour when exposed to sterilization process. Tape “for autoclave” turns from light yellow to black (dark brown) when exposed at 121 °C during 15 minutes or at 134 °C during 6 minutes

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STAP-A55-001 | 50 m x 19 mm roll, for autoclave | 1 | |
| “Saving package” | | | |
| STAP-A55-012 | 50 m x 19 mm roll, for autoclave | 12 | |

## DISPENSER FOR SELF-ADHESIVE LABEL TAPE

For 55 m x 19 mm rolls



| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| TAPE-D01-001 | 250 x 75 x 95 mm | 1 | |

## SELF-ADHESIVE LABEL TAPE

To label all kind of laboratory containers. Resistant to water and most solvents and acids. Can be used in autoclave, freezer, refrigerator and oven. Temperature range:-23 °C to +121 °C. To label with pencil, pen or marker. Does not leave residues when removed. Internal roll diameter 76 mm



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TAPE-B55-001 | 55 m x 19 mm roll, blue | 1 | |
| TAPE-G55-001 | 55 m x 19 mm roll, green | 1 | |
| TAPE-O55-001 | 55 m x 19 mm roll, orange | 1 | |
| TAPE-R55-001 | 55 m x 19 mm roll, red | 1 | |
| TAPE-W55-001 | 55 m x 19 mm roll, white | 1 | |
| TAPE-Y55-001 | 55 m x 19 mm roll, yellow | 1 | |
| 4 units “Saving package” | | | |
| TAPE-B55-004 | 55 m x 19 mm roll, blue | 4 | |
| TAPE-G55-004 | 55 m x 19 mm roll, green | 4 | |
| TAPE-O55-004 | 55 m x 19 mm roll, orange | 4 | |
| TAPE-R55-004 | 55 m x 19 mm roll, red | 4 | |
| TAPE-W55-004 | 55 m x 19 mm roll, white | 4 | |
| TAPE-Y55-004 | 55 m x 19 mm roll, yellow | 4 | |
| 12 units “Saving package” | | | |
| TAPE-B55-012 | 55 m x 19 mm roll, blue | 12 | |
| TAPE-G55-012 | 55 m x 19 mm roll, green | 12 | |
| TAPE-O55-012 | 55 m x 19 mm roll, orange | 12 | |
| TAPE-R55-012 | 55 m x 19 mm roll, red | 12 | |
| TAPE-W55-012 | 55 m x 19 mm roll, white | 12 | |
| TAPE-Y55-012 | 55 m x 19 mm roll, yellow | 12 | |
| 6 units multicolor “Saving package” | | | |
| TAPE-M55-006 | 55 m x 19 mm roll, 6 colors | 6 | |



## DIAMOND-TIPPED PENCIL

Suitable for cutting and marking on glass. Supplied with a cap. Tip material: industrial diamond made from natural hard stone



| reference | l (mm) | Ø (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| DIPE-001-001 | 140 | 7 | 1 | |




## LBG VOLUMETRIC FLASK CLASS, LBG

With PE stopper and made of borosilicate glass LBG 3.3. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In). Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | stopper | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VFK3-005-002 | 5 ml | ± 0,02 | 10/19 | 2 | |
| VFK3-010-002 | 10 ml | ± 0,02 | 10/19 | 2 | |
| VFK3-020-002 | 20 ml | ± 0,03 | 10/19 | 2 | |
| VFK3-025-002 | 25 ml | ± 0,03 | 10/19 | 2 | |
| VFK3-050-002 | 50 ml | ± 0,05 | 12/21 | 2 | |
| VFK3-100-002 | 100 ml | ± 0,10 | 14/23 | 2 | |
| VFK3-200-002 | 200 ml | ± 0,15 | 14/23 | 2 | |
| VFK3-250-002 | 250 ml | ± 0,20 | 14/23 | 2 | |
| VFK3-500-002 | 500 ml | ± 0,25 | 19/26 | 2 | |
| VFK3-1K0-002 | 1000 ml | ± 0,40 | 24/29 | 2 | |
| VFK3-2K0-001 | 2000 ml | ± 0,60 | 29/32 | 1 | |




## VOLUMETRIC FLASK CLASS A, GLASSCO

With PE stopper and made of top quality 3.3 borosilicate glass. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In). The conformity with “Eichordnung” (the German Federal Weights and Measures Regulations) is certified through the official “DE-M (year)” sign on each flask. Each flask has a batch number printed on the flask. Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | stopper | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VFL3-005-002 | 5 ml | ± 0,040 | 10/19 | 2 | |
| VFL3-010-002 | 10 ml | ± 0,040 | 10/19 | 2 | |
| VFL3-020-002 | 20 ml | ± 0,040 | 10/19 | 2 | |
| VFL3-025-002 | 25 ml | ± 0,040 | 10/19 | 2 | |
| VFL3-050-002 | 50 ml | ± 0,060 | 12/21 | 2 | |
| VFL3-100-002 | 100 ml | ± 0,100 | 14/23 | 2 | |
| VFL3-200-002 | 200 ml | ± 0,150 | 14/23 | 2 | |
| VFL3-250-002 | 250 ml | ± 0,150 | 14/23 | 2 | |
| VFL3-500-002 | 500 ml | ± 0,250 | 19/26 | 2 | |
| VFL3-1K0-002 | 1000 ml | ± 0,400 | 24/29 | 2 | |
| VFL3-2K0-001 | 2000 ml | ± 0,600 | 29/32 | 1 | |
| VFL3-5K0-001 | 5000 ml | ± 1,200 | 34/35 | 1 | |

### BATCH CERTIFICATES

All volumetric glassware material (measuring cylinders, flasks, pipettes and burettes) made on the same production date do have the same batch number. During the quality control process each piece is verified individually, dismissing those not fulfilling the maximum tolerances permitted. The batch certificate mention the average value obtained for all the pieces of the same batch, the standard deviation and the control date.

This batch certificate can be downloaded free of charge on the website

### INDIVIDUAL CALIBRATION CERTIFICATE

Glassware with an individual certificate do have an individual serial number added to the batch number. They are delivered with a certificate showing the real volume of this particular flask.

## VOLUMETRIC FLASK CLASS A ACCORDING TO USP, GLASSCO

With PE stopper and made of top quality 3.3 borosilicate glass. Designed according to ISO 1042, DIN 12664, USP standards and “Eichordnung” (the German Federal Weights and Measures Regulations). The conformity with “Eichordnung” is certified through the official “DE-M (year)” sign on each flask. Calibrated to contain (TC, In). USP standards are more accurate than ISO 1042. Each flask has a batch number printed on the flask. Batch certificate included, available on the website




| reference | capacity | accuracy (ml) | stopper | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VFH3-005-002 | 5 ml | ± 0,020 | 10/19 | 2 | |
| VFH3-010-002 | 10 ml | ± 0,020 | 10/19 | 2 | |
| VFH3-020-002 | 20 ml | ± 0,030 | 10/19 | 2 | |
| VFH3-025-002 | 25 ml | ± 0,030 | 10/19 | 2 | |
| VFH3-050-002 | 50 ml | ± 0,050 | 12/21 | 2 | |
| VFH3-100-002 | 100 ml | ± 0,080 | 14/23 | 2 | |
| VFH3-200-002 | 200 ml | ± 0,100 | 14/23 | 2 | |
| VFH3-250-002 | 250 ml | ± 0,120 | 14/23 | 2 | |
| VFH3-500-002 | 500 ml | ± 0,200 | 19/26 | 2 | |
| VFH3-1K0-002 | 1000 ml | ± 0,300 | 24/29 | 2 | |
| VFH3-2K0-001 | 2000 ml | ± 0,500 | 29/32 | 1 | |

## VOLUMETRIC FLASK CLASS A ACCORDING TO USP WITH INDIVIDUAL CERTIFICATE, GLASSCO

With PE stopper and made of top quality 3.3 borosilicate glass. Designed according to ISO 1042, DIN 12664 and USP standards. The conformity with “Eichordnung” (the German Federal Weights and Measures Regulations) is certified through the official “DE-M (year)” sign on each flask. Calibrated to contain (TC, In). USP standards are more accurate than ISO 1042. Each flask has its own individual serial number printed on the flask. An individual calibration certificate showing the real volume of this particular flask is delivered




| reference | capacity | accuracy (ml) | stopper | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VFC3-005-001 | 5 ml | ± 0,020 | 10/19 | 1 | |
| VFC3-010-001 | 10 ml | ± 0,020 | 10/19 | 1 | |
| VFC3-020-001 | 20 ml | ± 0,030 | 10/19 | 1 | |
| VFC3-025-001 | 25 ml | ± 0,030 | 10/19 | 1 | |
| VFC3-050-001 | 50 ml | ± 0,050 | 12/21 | 1 | |
| VFC3-100-001 | 100 ml | ± 0,080 | 14/23 | 1 | |
| VFC3-200-001 | 200 ml | ± 0,100 | 14/23 | 1 | |
| VFC3-250-001 | 250 ml | ± 0,120 | 14/23 | 1 | |
| VFC3-500-001 | 500 ml | ± 0,200 | 19/26 | 1 | |
| VFC3-1K0-001 | 1000 ml | ± 0,300 | 24/29 | 1 | |
| VFC3-2K0-001 | 2000 ml | ± 0,500 | 29/32 | 1 | |



## VOLUMETRIC FLASK CLASS A WITH INDIVIDUAL CERTIFICATE AND QR CODE, GLASSCO

With PE stopper and made of top quality 3.3 borosilicate glass. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In). The conformity with "Eichordnung" (the German Federal Weights and Measures Regulations) is certified through the official "DE-M (year)" sign on each flask. Each flask has its own individual serial number printed. An individual calibration certificate showing the real volume of this particular flask is delivered. The flask has a printed QR code that when scanned allows the user to download the certificate

| reference | capacity | accuracy (ml) | stopper | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VFQR-005-001 | 5 ml | ± 0,040 | 10/19 | 1 | |
| VFQR-010-001 | 10 ml | ± 0,040 | 10/19 | 1 | |
| VFQR-020-001 | 20 ml | ± 0,040 | 10/19 | 1 | |
| VFQR-025-001 | 25 ml | ± 0,040 | 10/19 | 1 | |
| VFQR-050-001 | 50 ml | ± 0,060 | 12/21 | 1 | |
| VFQR-100-001 | 100 ml | ± 0,100 | 14/23 | 1 | |
| VFQR-200-001 | 200 ml | ± 0,150 | 14/23 | 1 | |
| VFQR-250-001 | 250 ml | ± 0,150 | 14/23 | 1 | |
| VFQR-500-001 | 500 ml | ± 0,250 | 19/26 | 1 | |
| VFQR-1K0-001 | 1000 ml | ± 0,400 | 24/29 | 1 | |
| VFQR-2K0-001 | 2000 ml | ± 0,600 | 29/32 | 1 | |




## VOLUMETRIC FLASK CLASS A, TRAPEZOIDAL, GLASSCO

NEW

With PE stopper and made of top quality 3.3 borosilicate glass. Batch certificate included, available on the website

| reference | capacity | stopper | accuracy (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VFTG-001-002 | 1 ml | 7/16 | ± 0,025 ml | 2 | |
| VFTG-002-002 | 2 ml | 7/16 | ± 0,025 ml | 2 | |
| VFTG-005-002 | 5 ml | 10/19 | ± 0,040 ml | 2 | |
| VFTG-010-002 | 10 ml | 10/19 | ± 0,040 ml | 2 | |
| VFTG-020-002 | 20 ml | 10/19 | ± 0,040 ml | 2 | |
| VFTG-025-002 | 25 ml | 10/19 | ± 0,040 ml | 2 | |
| VFTG-050-002 | 50 ml | 12/21 | ± 0,060 ml | 2 | |



## VOLUMETRIC FLASK AMBER CLASS A

With PE stopper and made of amber borosilicate glass LBG 3.3. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In). Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | stopper | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VFA3-005-002 | 5 ml | ± 0,02 | 10/19 | 2 | |
| VFA3-010-002 | 10 ml | ± 0,02 | 10/19 | 2 | |
| VFA3-025-002 | 25 ml | ± 0,03 | 10/19 | 2 | |
| VFA3-050-002 | 50 ml | ± 0,05 | 12/21 | 2 | |
| VFA3-100-002 | 100 ml | ± 0,10 | 14/23 | 2 | |
| VFA3-200-002 | 200 ml | ± 0,15 | 14/23 | 2 | |
| VFA3-250-002 | 250 ml | ± 0,20 | 14/23 | 2 | |
| VFA3-500-002 | 500 ml | ± 0,25 | 19/26 | 2 | |
| VFA3-1K0-002 | 1000 ml | ± 0,40 | 24/29 | 2 | |

## VOLUMETRIC FLASK AMBER CLASS A, GLASSCO

With PE stopper and made of top quality 3.3 amber borosilicate glass. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In). The conformity with "Eichordnung" (the German Federal Weights and Measures Regulations) is certified through the official "DE-M (year)" sign on each flask. Each flask has a batch number printed on the flask. Batch certificate included, available on the website



| reference | capacity | accuracy (ml) | stopper | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VFLA-005-002 | 5 ml | ± 0,040 | 10/19 | 2 | |
| VFLA-010-002 | 10 ml | ± 0,040 | 10/19 | 2 | |
| VFLA-020-002 | 20 ml | ± 0,040 | 10/19 | 2 | |
| VFLA-025-002 | 25 ml | ± 0,040 | 10/19 | 2 | |
| VFLA-050-002 | 50 ml | ± 0,060 | 12/21 | 2 | |
| VFLA-100-002 | 100 ml | ± 0,100 | 14/23 | 2 | |
| VFLA-200-002 | 200 ml | ± 0,150 | 14/23 | 2 | |
| VFLA-250-002 | 250 ml | ± 0,150 | 14/23 | 2 | |
| VFLA-500-002 | 500 ml | ± 0,250 | 19/26 | 2 | |
| VFLA-1K0-002 | 1000 ml | ± 0,400 | 24/29 | 2 | |
| VFLA-2K0-001 | 2000 ml | ± 0,600 | 29/32 | 1 | |

## VOLUMETRIC FLASK, POLYPROPYLENE WITH PLASTIC STOPPER

Made of polypropylene with high clarity. Autoclavable. Thin neck without meniscus for an optimal reading. Calibrated with the gravimetric method at 20 °C



| reference | capacity | h (mm) | Ø base (mm) | screw | accuracy (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| VFKP-025-005 | 25 ml | 121 | 36 | GL18 | ± 0,5 | 5 | |
| VFKP-050-005 | 50 ml | 143 | 46 | GL18 | ± 1 | 5 | |
| VFKP-100-005 | 100 ml | 174 | 58 | GL18 | ± 1 | 5 | |
| VFKP-250-002 | 250 ml | 225 | 82 | GL25 | ± 2 | 2 | |
| VFKP-500-002 | 500 ml | 265 | 100 | GL25 | ± 5 | 2 | |
| VFKP-1K0-001 | 1000 ml | 325 | 120 | GL25 | ± 10 | 1 | |

## PYCNOMETER FOR SOLIDS

Made of 3.3 borosilicate glass and calibrated at 20 °C. 12/21 joint. Without certificate



| reference | capacity | accuracy (ml) | Ø outer (mm) | Ø top (mm) | h total (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| SPY3-025-001 | 25 ml | ± 2,0 | 40 | 22 | 113 | 1 | |
| SPY3-050-001 | 50 ml | ± 3,0 | 48 | 25 | 119 | 1 | |
| SPY3-100-001 | 100 ml | ± 3,0 | 60 | 30 | 155 | 1 | |

## PYCNOMETER GAY-LUSSAC FOR LIQUIDS WITH PTFE STOPPER

Made of 3.3 borosilicate glass, according to ISO 3507 and calibrated at 20 °C, without certificate



| reference | capacity | accuracy (ml) | Ø outer (mm) | h total (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| PYC3-P10-002 | 10 ml | ± 1,0 | 27 | 50 | 2 | |
| PYC3-P25-002 | 25 ml | ± 2,0 | 37 | 60 | 2 | |
| PYC3-P50-002 | 50 ml | ± 3,0 | 47 | 75 | 2 | |
| PYC3-10P-002 | 100 ml | ± 3,0 | 57 | 90 | 2 | |



## LBG SET OF MEASURING CYLINDER HEXAGONAL BASE, CLASS B, LBG

Contains one unit of each of the following capacities: 10, 25, 50, 100, 250, 500 and 1000 ml. Made of borosilicate glass LBG 3.3 and designed according to ISO 4788. Calibrated to contain (TC, In). Batch certificate included, available on the website

| reference | capacities | pcs/ pack | price/ pack |
|---|---|---|---|
| MCH3-KIT-001 | 10, 25, 50, 100, 250, 500, 1000 ml | 1 | |



## LBG MEASURING CYLINDER HEXAGONAL BASE, CLASS B, LBG

Made of borosilicate glass LBG 3.3 and designed according to ISO 4788. Calibrated to contain (TC, In). Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| MCH3-005-001 | 5 ml | ± 0,1 | 0,1 | 13 | 112 | 1 | |
| MCH3-010-001 | 10 ml | ± 0,2 | 0,2 | 14 | 137 | 1 | |
| MCH3-025-001 | 25 ml | ± 0,5 | 0,5 | 21 | 167 | 1 | |
| MCH3-050-001 | 50 ml | ± 1,0 | 0,5 | 25 | 196 | 1 | |
| MCH3-100-001 | 100 ml | ± 1,0 | 1 | 29 | 256 | 1 | |
| MCH3-250-001 | 250 ml | ± 2,0 | 2 | 43 | 305 | 1 | |
| MCH3-500-001 | 500 ml | ± 5,0 | 5 | 53 | 360 | 1 | |
| MCH3-1K0-001 | 1000 ml | ± 10 | 10 | 68 | 440 | 1 | |
| MCH3-2K0-001 | 2000 ml | ± 20 | 20 | 85 | 500 | 1 | |



## GLASSCO MEASURING CYLINDER HEXAGONAL BASE, CLASS A, GLASSCO

Made of top quality 3.3 borosilicate glass. In compliance with ISO 4788, USP and “Eichordnung” (the German Federal Weights and Measures Regulations). The conformity with “Eichordnung” is certified through the official “DE-M (year)” sign on each measuring cylinder. Calibrated to contain (TC, In). Each measuring cylinder has a batch number printed on it. Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| MCHA-010-001 | 10 ml | ± 0,10 | 0,2 | 15 | 137 | 1 | |
| MCHA-025-001 | 25 ml | ± 0,25 | 0,5 | 20 | 167 | 1 | |
| MCHA-050-001 | 50 ml | ± 0,50 | 1 | 25 | 195 | 1 | |
| MCHA-100-001 | 100 ml | ± 0,50 | 1 | 30 | 257 | 1 | |
| MCHA-250-001 | 250 ml | ± 1,00 | 2 | 40 | 330 | 1 | |
| MCHA-500-001 | 500 ml | ± 2,50 | 5 | 53 | 385 | 1 | |
| MCHA-1K0-001 | 1000 ml | ± 5,00 | 10 | 65 | 460 | 1 | |
| MCHA-2K0-001 | 2000 ml | ± 10,00 | 20 | 80 | 565 | 1 | |

### VOLUMETRIC PRECISION

**Class A** and **Class B** are designations from ASTM, indicating the relative tolerances of volumetric ware. ASTM is an international organization, that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.

Class A: Preferred choice for volumetric determinations, with high construction and accuracy requirements.
Class B: For general purpose. With the same basic design as Class A flasks but with volumetric tolerances within twice the specified range allowed for Class A.

## MEASURING CYLINDER HEXAGONAL BASE, WITH PLASTIC STOPPER, CLASS B

LBG

Made of borosilicate glass LBG 3.3 and designed according to ISO 4788. Calibrated to contain (TC, In). Ground mouth and plastic stopper. Batch certificate included, available on the website



| reference | capacity | accuracy (ml) | graduation (ml) | Ø (mm) | h (mm) | stopper | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|---|
| MCHS-050-001 | 50 ml | ± 1,0 | 1 | 25 | 196 | 19/26 | 1 | |
| MCHS-100-001 | 100 ml | ± 1,0 | 1 | 29 | 256 | 24/29 | 1 | |
| MCHS-250-001 | 250 ml | ± 2,0 | 2 | 43 | 305 | 29/32 | 1 | |
| MCHS-500-001 | 500 ml | ± 5,0 | 5 | 53 | 360 | 45/40 | 1 | |
| MCHS-1K0-001 | 1000 ml | ± 10 | 10 | 68 | 440 | 45/40 | 1 | |

## MEASURING CYLINDER HEXAGONAL BASE, WITH PLASTIC STOPPER, CLASS A, GLASSCO

GLASSCO NEW

Made of top quality 3.3 borosilicate glass. In compliance with DIN EN ISO 4788. Calibrated to contain (TC, In). Ground mouth and PE stopper. Each measuring cylinder has a batch number printed on it. Batch certificate included, available on the website



| reference | capacity | accuracy (ml) | graduation (ml) | Ø (mm) | h (mm) | stopper | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|---|
| MCSG-010-002 | 10 ml | 0,10 | 0,2 | 15 | 137 | 10/19 | 2 | |
| MCSG-025-002 | 25 ml | 0,25 | 0,5 | 20 | 167 | 14/23 | 2 | |
| MCSG-050-002 | 50 ml | 0,50 | 1,0 | 25 | 195 | 19/26 | 2 | |
| MCSG-100-002 | 100 ml | 0,50 | 1,0 | 30 | 257 | 24/29 | 2 | |
| MCSG-250-002 | 250 ml | 1,00 | 2,0 | 40 | 330 | 29/32 | 2 | |
| MCSG-500-002 | 500 ml | 2,50 | 5,0 | 53 | 385 | 34/35 | 2 | |
| MCSG-1K0-001 | 1000 ml | 5,00 | 10,0 | 65 | 460 | 45/40 | 1 | |
| MCSG-2K0-001 | 2000 ml | 10,00 | 20,0 | 80 | 565 | 45/40 | 1 | |

## MEASURING CYLINDER HEXAGONAL BASE, LOW FORM, CLASS B

GLASSCO

Made of top quality 3.3 borosilicate glass. In compliance with DIN EN ISO 4788. To contain (TC, In). Printed in amber color. Does not include a certificate



| reference | capacity | accuracy (ml) | graduation (ml) | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| MCLG-010-002 | 10 ml | ± 0,3 | 1 | 20 | 97 | 2 | |
| MCLG-025-002 | 25 ml | ± 0,5 | 1 | 25 | 122 | 2 | |
| MCLG-050-002 | 50 ml | ± 1,0 | 2 | 30 | 147 | 2 | |
| MCLG-100-002 | 100 ml | ± 1,0 | 2 | 42 | 167 | 2 | |
| MCLG-250-002 | 250 ml | ± 2,0 | 5 | 55 | 217 | 2 | |
| MCLG-500-002 | 500 ml | ± 5,0 | 10 | 65 | 251 | 2 | |
| MCLG-1K0-001 | 1000 ml | ± 10,0 | 20 | 80 | 290 | 1 | |



## astiK's MEASURING CYLINDER HEXAGONAL BASE, POLYPROPYLENE, CLASS B

With raised graduations. Autoclavable at 121 °C. Does not include a certificate

| reference | capacity | graduation (ml) | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MCHP-010-012 | 10 ml | 0,2 | 15 | 140 | 12 | |
| MCHP-025-012 | 25 ml | 0,5 | 20 | 195 | 12 | |
| MCHP-050-012 | 50 ml | 1 | 28 | 200 | 12 | |
| MCHP-100-012 | 100 ml | 1 | 30 | 250 | 12 | |
| MCHP-250-006 | 250 ml | 2 | 45 | 350 | 6 | |
| MCHP-500-004 | 500 ml | 5 | 55 | 365 | 4 | |
| MCHP-1K0-003 | 1000 ml | 10 | 70 | 440 | 3 | |
| MCHP-2K0-002 | 2000 ml | 20 | 85 | 535 | 2 | |



## astiK's MEASURING CYLINDER HEXAGONAL BASE, PMP, CLASS B

Made of Polymethylpentene (PMP/TPX®). Higher transparency, better chemical resistance and heat tolerance than PP. Autoclavable. Easy to read relief graduations. According to ISO 6706. Does not include a certificate

| reference | capacity | graduation (ml) | accuracy (ml) | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| MCHX-010-001 | 10 ml | 0,2 | ± 0,2 | 13,6 | 147,2 | 1 | |
| MCHX-025-001 | 25 ml | 0,5 | ± 0,5 | 20,15 | 170 | 1 | |
| MCHX-050-001 | 50 ml | 1 | ± 1 | 25,78 | 199,5 | 1 | |
| MCHX-100-001 | 100 ml | 1 | ± 1 | 30,85 | 249,5 | 1 | |
| MCHX-250-001 | 250 ml | 2 | ± 2 | 40,15 | 326,5 | 1 | |
| MCHX-500-001 | 500 ml | 5 | ± 5 | 52,5 | 389,6 | 1 | |
| MCHX-1K0-001 | 1000 ml | 10 | ± 10 | 65,5 | 460,8 | 1 | |
| MCHX-2K0-001 | 2000 ml | 20 | ± 20 | 83 | 535,8 | 1 | |



## LBG VOLUMETRIC PIPETTE WITH ONE MARK, CLASS A, LBG

With coding band (according to ISO 1769), and designed according to ISO 648. Calibrated to deliver (TD, Ex). Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | l (mm) | outflow time (s) | color code | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| VPIA-001-006 | 1 ml | ± 0,007 | 330 | 7 - 12 | blue | 6 | |
| VPIA-002-006 | 2 ml | ± 0,01 | 340 | 7 - 12 | orange | 6 | |
| VPIA-003-006 | 3 ml | ± 0,015 | 360 | 15 - 25 | black | 6 | |
| VPIA-005-006 | 5 ml | ± 0,015 | 400 | 15 - 25 | white | 6 | |
| VPIA-010-006 | 10 ml | ± 0,02 | 450 | 20 - 30 | red | 6 | |
| VPIA-015-006 | 15 ml | ± 0,025 | 520 | 20 - 30 | green | 6 | |
| VPIA-020-006 | 20 ml | ± 0,03 | 560 | 25 - 35 | yellow | 6 | |
| VPIA-025-006 | 25 ml | ± 0,03 | 570 | 25 - 35 | blue | 6 | |
| VPIA-050-001 | 50 ml | ± 0,05 | 600 | 30 - 40 | red | 1 | |
| VPIA-100-001 | 100 ml | ± 0,08 | 640 | 35 - 45 | yellow | 1 | |

## VOLUMETRIC PIPETTE WITH ONE MARK, CLASS A, ACCORDING TO USP, GLASSCO

With coding band (according to ISO 1769), and designed according to ISO 648 standards, USP standards and "Eichordnung" (the German Federal Weights and Measures Regulations). The conformity with "Eichordnung" is certified through the official "DE-M (year)" sign on each pipette. USP standards are more accurate than ISO 648. Calibrated to deliver (TD, Ex). Batch certificate included, available on the website



| reference | capacity | accuracy (ml) | color code | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VPIH-0A5-005 | 0,5 ml | ± 0,006 | 2 black | 5 | |
| VPIH-001-005 | 1 ml | ± 0,006 | blue | 5 | |
| VPIH-002-005 | 2 ml | ± 0,006 | orange | 5 | |
| VPIH-003-005 | 3 ml | ± 0,010 | black | 5 | |
| VPIH-005-005 | 5 ml | ± 0,010 | white | 5 | |
| VPIH-010-005 | 10 ml | ± 0,02 | red | 5 | |
| VPIH-015-005 | 15 ml | ± 0,03 | green | 5 | |
| VPIH-020-005 | 20 ml | ± 0,03 | yellow | 5 | |
| VPIH-025-005 | 25 ml | ± 0,03 | blue | 5 | |
| VPIH-030-005 | 30 ml | ± 0,03 | black | 5 | |
| VPIH-040-005 | 40 ml | ± 0,05 | white | 5 | |
| VPIH-050-005 | 50 ml | ± 0,05 | red | 5 | |
| VPIH-100-005 | 100 ml | ± 0,08 | yellow | 5 | |

## VOLUMETRIC PIPETTE WITH TWO MARKS, CLASS A

With coding band (according to ISO 1769), and designed according to ISO 648. Calibrated to deliver (TD, Ex). Batch certificate included, available on the website



| reference | capacity | accuracy (ml) | l (mm) | outflow time (s) | color code | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| VPI2-001-006 | 1 ml | ± 0,007 | 330 | 7 - 12 | blue | 6 | |
| VPI2-002-006 | 2 ml | ± 0,01 | 340 | 7 - 12 | orange | 6 | |
| VPI2-005-006 | 5 ml | ± 0,015 | 400 | 15 - 25 | white | 6 | |
| VPI2-010-006 | 10 ml | ± 0,02 | 450 | 20 - 30 | red | 6 | |
| VPI2-015-006 | 15 ml | ± 0,025 | 520 | 20 - 30 | green | 6 | |
| VPI2-020-006 | 20 ml | ± 0,03 | 560 | 25 - 35 | yellow | 6 | |
| VPI2-025-006 | 25 ml | ± 0,03 | 570 | 25 - 35 | blue | 6 | |
| VPI2-050-001 | 50 ml | ± 0,05 | 600 | 30 - 40 | red | 1 | |
| VPI2-100-001 | 100 ml | ± 0,08 | 640 | 35 - 45 | yellow | 1 | |

It is necessary to know the possibilities and limitations of volumetric instruments, so that appropriate use can be made.

All volumetric material in good condition can be heated in the drying or sterilizing oven up to 180 °C without fear of volume variation. However, it should always be noted that irregular heating or a sudden change in temperature causes thermal stress which can lead to glass breakage.



## LBG GLASS MEASURING PIPETTE, CLASS A

Measuring pipette with coding band (ISO 1769), designed according to ISO 835. Calibrated to deliver (TD, Ex). Normal graduation (zero on top). Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | outflow time (s) | color code | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| MPIA-0A1-005 | 0,1 ml | ± 0,002 | 0,001 | 2 - 8 | 2 green | 5 | |
| MPIA-0A2-005 | 0,2 ml | ± 0,003 | 0,002 | 2 - 8 | 2 white | 5 | |
| MPIA-0A5-005 | 0,5 ml | ± 0,006 | 0,005 | 2 - 8 | green | 5 | |
| MPIA-001-005 | 1 ml | ± 0,008 | 0,01 | 2 - 8 | yellow | 5 | |
| MPIA-002-005 | 2 ml | ± 0,012 | 0,02 | 2 - 8 | black | 5 | |
| MPIA-005-005 | 5 ml | ± 0,025 | 0,05 | 5 - 11 | red | 5 | |
| MPIA-010-005 | 10 ml | ± 0,05 | 0,1 | 7 - 17 | orange | 5 | |
| MPIA-015-005 | 15 ml | ± 0,08 | 0,1 | 9 - 19 | 2 orange | 5 | |
| MPIA-020-005 | 20 ml | ± 0,1 | 0,1 | 11 - 21 | 2 yellow | 5 | |
| MPIA-025-005 | 25 ml | ± 0,1 | 0,1 | 11 - 21 | white | 5 | |
| MPIA-050-005 | 50 ml | ± 0,1 | ± 0,2 | 15 - 25 | black | 5 | |



## LBG GLASS MEASURING PIPETTE, CLASS A *PREMIUM LINE*

Measuring pipette with coding band (ISO 1769), designed according to ISO 835. With safety bulb and batch number printed on the flask. Normal graduation (zero at top). Indelible amber graduation. Calibrated to deliver (TD, Ex). Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | outflow time (s) | l (mm) | color code | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|---|
| MPI2-001-005 | 1 ml | ± 0,006 | 0,01 | 5 - 7 | 360 | yellow | 5 | |
| MPI2-002-005 | 2 ml | ± 0,010 | 0,01 | - | 360 | black | 5 | |
| MPI2-005-005 | 5 ml | ± 0,030 | 0,05 | 8 - 11 | 360 | red | 5 | |
| MPI2-010-005 | 10 ml | ± 0,050 | 0,10 | 10 - 13 | 360 | orange | 5 | |
| MPI2-020-004 | 20 ml | ± 0,100 | 0,10 | - | 360 | 2 yellow | 4 | |
| MPI2-025-004 | 25 ml | ± 0,100 | 0,10 | 11 - 16 | 395 | white | 4 | |



## LBG GLASS MEASURING PIPETTE, CLASS A, INVERSED GRADUATION *PREMIUM LINE*

Measuring pipette with coding band (ISO 1769), designed according to ISO 835. With safety bulb and batch number printed on the flask. Inversed graduation (zero at tip). Indelible amber graduation. Calibrated to deliver (TD, Ex). Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | outflow time (s) | l (mm) | color code | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|---|
| MPI2-P01-005 | 1 ml | ± 0,006 | 0,01 | 5 - 7 | 360 | yellow | 5 | |
| MPI2-P02-005 | 2 ml | ± 0,010 | 0,01 | - | 360 | black | 5 | |
| MPI2-P05-005 | 5 ml | ± 0,030 | 0,05 | 8 - 11 | 360 | red | 5 | |
| MPI2-P10-005 | 10 ml | ± 0,050 | 0,10 | 10 - 13 | 360 | orange | 5 | |
| MPI2-P20-004 | 20 ml | ± 0,100 | 0,10 | - | 360 | 2 yellow | 4 | |
| MPI2-P25-004 | 25 ml | ± 0,100 | 0,10 | 11 - 16 | 395 | white | 4 | |

## PIPETTE STAND, ROTARY

astiK's

Polypropylene. Suitable for pipettes up to 10 mm of diameter

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| PSRP-094-001 | up to 94 pipettes | 1 | |



## HORIZONTAL PIPETTE RACK

astiK's

Made of polypropylene. Can sustain up to 12 pipettes measuring over 200 mm. Autoclavable

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| PIPH-012-001 | for 12 pipettes | 1 | |

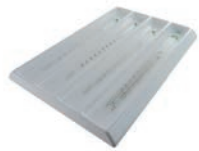


## PIPETTE TRAY FOR DRAWER

astiK's

Designed to contain up to 30 pipettes. Contains 4 compartments to accommodate pipettes from 1 to 10 ml capacity

| reference | h (mm) | l (mm) | w (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| PIPT-004-001 | 30 | 426 | 300 | 1 | |

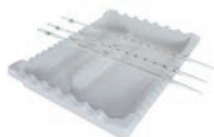


## PIPETTE TRAY

astiK's

Can accomodate 7 pipettes with overall stem diameter not exceeding 20 mm longitudinally or 16 pipettes with stem diameter not exceeding 10 mm laterally. Very useful work station holder, not only for pipettes

| reference | h (mm) | l (mm) | w (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| PIPD-016-001 | 40 | 283 | 216 | 1 | |



## PIPETTE STORAGE RACK

astiK's

ABS plastic construction, resistant to scratches and easily cleanable. Each rack includes two accessory attachments to hold a pipette filler and a pipette bulb. 4 angled compartments for easy loading and retrieval. Windows allowing the vision of stored pipettes to determine supply level. Magnets present in both sides to help securely mount the rack

| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| MPSR-004-001 | 290 x 85 x 395 mm | 1 | |



## PIPETTE WASHING KIT

astiK's

For washing pipettes up to 400 mm. It consists of two parts: washing unit and pipette basket. Automatic filling and emptying of the container by cycles: It is filled with water through the nozzle located on the upper edge and the pipette basket is inserted. Once the water level reaches the maximum, the container is completely emptied automatically through the bottom drainage system. After removing contaminated water, the container is refilled

| reference | $Ø_{inside}$ x h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| PIPW-001-001 | 152 x 771 (washing unit) and 119 x 587 (basket) | 1 | |





## PIPETTE STERILISING CAN

Made of stainless steel

| reference | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| STPS-R50-001 | 50 | 500 | 1 | |





## BURETTE CLAMPS

Available in polypropylene and painted aluminium

| reference | type | Østand | Ømax. burette | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BCFP-001-001 | made in polypropylene for 1 burette | 9,52 - 12,7 mm | 20 mm | 1 | |
| BCFP-002-001 | made in polypropylene for 2 burettes | 9,52 - 12,7 mm | 20 mm | 1 | |
| BCFS-002-001 | made in painted aluminum for 2 burettes | 10 - 12 mm | 28,3 mm | 1 | |



## PLASTIC BURETTE WITH PTFE STRAIGHT STOPCOCK

Transparent body made of PMMA (polymethylmethacrylate) resistant to diluted acids and bases, except HCl and NaOH and self-lubricated PTFE stopcock. Without certificate

| reference | capacity | accuracy (ml) | graduation (ml) | $l_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BURP-025-001 | 25 ml | ± 0,05 | 0,1 | 570 | 1 | |
| BURP-050-001 | 50 ml | ± 0,05 | 0,1 | 730 | 1 | |
| BURP-100-001 | 100 ml | ± 0,05 | 0,2 | 820 | 1 | |



## BURETTE WITH GLASS STRAIGHT STOPCOCK, CLASS A

Designed according to ISO 385 and calibrated to deliver (TD, Ex). Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | $l_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BURN-010-001 | 10 ml | ± 0,025 | 0,05 | 540 | 1 | |
| BURN-025-001 | 25 ml | ± 0,04 | 0,1 | 560 | 1 | |
| BURN-050-001 | 50 ml | ± 0,05 | 0,1 | 800 | 1 | |



## BURETTE WITH PTFE STRAIGHT STOPCOCK, CLASS A

Designed according to ISO 385 and calibrated to deliver (TD, Ex). Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | $l_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BURT-010-001 | 10 ml | ± 0,025 | 0,05 | 540 | 1 | |
| BURT-025-001 | 25 ml | ± 0,04 | 0,1 | 560 | 1 | |
| BURT-050-001 | 50 ml | ± 0,05 | 0,1 | 800 | 1 | |
| BURT-100-001 | 100 ml | ± 0,1 | 0,2 | 800 | 1 | |

## BURETTE WITH PTFE STRAIGHT STOPCOCK AND FUNNEL TOP, CLASS A

LBG

Designed according to ISO 385 and calibrated to deliver (TD, Ex). With funnel top to make filling easier and safer. Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | $l_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BURT-F10-001 | 10 ml | ± 0,025 | 0,05 | 540 | 1 | |
| BURT-F25-001 | 25 ml | ± 0,04 | 0,1 | 560 | 1 | |
| BURT-F50-001 | 50 ml | ± 0,05 | 0,1 | 800 | 1 | |



## BURETTE WITH PTFE STRAIGHT STOPCOCK, SCHELLBACH TYPE, CLASS A

LBG

Designed according to ISO 385 and calibrated to deliver (TD, Ex). With funnel top to make filling easier and safer. Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | $l_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BURT-S10-001 | 10 ml | ± 0,025 | 0.05 | 540 mm | 1 | |
| BURT-S25-001 | 25 ml | ± 0,04 | 0.1 | 560 mm | 1 | |
| BURT-S50-001 | 50 ml | ± 0,05 | 0.1 | 800 mm | 1 | |



## BURETTE WITH SCREW TYPE NEEDLE VALVE PTFE STOPCOCK, CLASS A, GLASSCO

Manufactured with top quality 3.3 borosilicate glass and calibrated to deliver (TD, Ex). The batch number is printed on each burette. In compliance with ISO 385 and USP. The conformity with "Eichordnung" (the German Federal Weights and Measures Regulations) is certified through the official "DE-M (year)" sign on each burette. Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | $l_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BURS-010-001 | 10 ml | ± 0,03 | 0,05 | 540 | 1 | |
| BURS-025-001 | 25 ml | ± 0,05 | 0,10 | 580 | 1 | |
| BURS-050-001 | 50 ml | ± 0,05 | 0,10 | 760 | 1 | |



## BURETTE WITH SCREW TYPE NEEDLE VALVE PTFE STOPCOCK, SCHELLBACH TYPE, CLASS A, GLASSCO

Manufactured with top quality 3.3 borosilicate glass and calibrated to deliver (TD, Ex). The batch number is printed on each burette. In compliance with ISO 385, USP and "Eichordnung" (the German Federal Weights and Measures Regulations). The conformity with "Eichordnung" is certified through the official "DE-M (year)" sign on each burette. Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | $l_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BUBS-010-001 | 10 ml | ± 0,03 | 0,05 | 540 | 1 | |
| BUBS-025-001 | 25 ml | ± 0,05 | 0,10 | 580 | 1 | |
| BUBS-050-001 | 50 ml | ± 0,05 | 0,10 | 760 | 1 | |



## SCHILLING BURETTE

astiK's

1 litre PE reservoir with stable PE-LD base. With push button for drop-by-drop delivery. According to DIN 12700 standards, Class B. Without certificate

| reference | capacity | graduation | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SBUP-025-001 | 25 ml | 0,1 ml | 1 | |
| SBUP-050-001 | 50 ml | 0,1 ml | 1 | |





LBG

## AMBER BURETTE WITH PTFE STRAIGHT STOPCOCK AND FUNNEL TOP, CLASS A

For photo-sensitive samples. Designed according to ISO 385 and calibrated to deliver (TD, Ex). Batch certificate included, available on the website

| reference | capacity | graduation | $l_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BURA-F10-001 | 10 ml | 0.05 | 540 | 1 | |
| BURA-F25-001 | 25 ml | 0.1 | 560 | 1 | |
| BURA-F50-001 | 50 ml | 0.1 | 800 | 1 | |



## AUTOMATIC SCHILLING BURETTE, SCHELLBACH-TYPE, CLASS B

Made of top quality 3.3 borosilicate glass. In compliance with ISO 385. With plastic bottle (1000 ml), clamp, stand and PTFE pipe. Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SBUG-010-001 | 10 ml | ± 0,05 | 0,05 | 1 | |
| SBUG-025-001 | 25 ml | ± 0,10 | 0,10 | 1 | |
| SBUG-050-001 | 50 ml | ± 0,10 | 0,10 | 1 | |



## AUTOMATIC TABLE BURETTE, CLASS A, GLASSCO

Made of top quality 3.3 borosilicate glass. With two PTFE stopcock and transparent filling reservoir. Richardson bulb included. Batch certificate included, available on the website

| reference | capacity | accuracy (ml) | graduation (ml) | reservoir bottle | joint ST/NS | $h_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|---|
| ABU3-010-001 | 10 ml | ± 0,03 | 0,05 | 500 ml | 24/29 | 730 | 1 | |
| ABU3-025-001 | 25 ml | ± 0,05 | 0,10 | 2000 ml | 29/32 | 820 | 1 | |
| ABU3-050-001 | 50 ml | ± 0,05 | 0,10 | 2000 ml | 29/32 | 1000 | 1 | |



## RICHARDSON BULB FOR AUTOMATIC BURETTES

Made of red rubber. With a net around the bulb

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| RBER-001-001 | 500 mL | small | 1 | |
| RBER-002-001 | 1000 mL | big | 1 | |



## THISTLE FUNNEL

Made of polypropylene. Facilitates the addition of liquids to burettes and narrow neck flasks

| reference | $Ø_{top}$ (mm) | $Ø_{stem}$ (mm) | $l_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| THIP-035-001 | 35 | 6 | 250 | 1 | |

## GLASS PASTEUR PIPETTES

Made of soda-lime glass. Open tip, without cotton

LBG

| reference | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| PIPN-150-250 | 150 (A) | 250 | |
| PIPN-230-250 | 230 (B) | 250 | |
| "Saving package" | | | |
| PIPN-150-2K0 | 150 (A) | 8 x 250 | |
| PIPN-230-2K0 | 230 (B) | 8 x 250 | |




## RUBBER BULB FOR GLASS PASTEUR PIPETTES

Made of natural rubber

NEW

| reference | capacity | composition | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TELX-002-100 | 2 ml | latex | 100 | |
| TELS-001-012 | 1 ml | silicone | 12 | |



## POLYETHYLENE GRADUATED TRANSFER PASTEUR PIPETTES, STERILE

Individually wrapped in peel-pack packaging. EO (Ethylene oxide) sterilized. Free sterilization certificate available on the website

astiK's

EO STERILE

| reference | l (mm) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PIPP-E01-1K0 | 150 | graduated each 0.25 ml up to 1 ml, overall vol. 5 ml | 1000 | |
| PIPP-E03-1K0 | 155 | graduated each 0.5 ml up to 3 ml, overall vol. 7 ml | 1000 | |



## POLYETHYLENE GRADUATED TRANSFER PASTEUR PIPETTES, NON-STERILE

Packed in dispenser box

astiK's

| reference | l (mm) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PIPP-001-500 | 150 | graduated each 0.25 ml up to 1 ml, overall vol. 5 ml | 500 | |
| PIPP-002-500 | 155 | graduated each 0.5 ml up to 2 ml, overall vol. 5 ml | 500 | |
| PIPP-003-500 | 155 | graduated each 0.5 ml up to 3 ml, overall vol. 7 ml | 500 | |
| PIPP-230-100 | 300 | graduated each 1 ml up to 10 ml, overall vol. 23 ml | 100 | |
| "Saving package" | | | | |
| PIPP-001-5K0 | 150 | graduated each 0.25 ml up to 1 ml, overall vol. 5 ml | 10 x 500 | |
| PIPP-003-5K0 | 155 | graduated each 0.5 ml up to 3 ml, overall vol. 7 ml | 10 x 500 | |

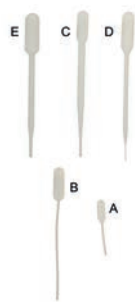


## POLYETHYLENE NON-GRADUATED TRANSFER PASTEUR PIPETTES, NON-STERILE

Packed in dispenser box

astiK's

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PIPP-012-500 | overall vol. 1.2 ml, length: 65 mm (A) | 500 | |
| PIPP-045-500 | overall vol. 4.5 ml, length: 155 mm, 25 drops/ml (B) | 500 | |
| PIPP-050-500 | overall vol. 5 ml, length: 154 mm, 23 drops/ml (C) | 500 | |
| PIPP-058-500 | fine tip. overall vol. 5.8 ml, length: 156 mm, 50 drops/ml (D) | 500 | |
| PIPP-080-250 | overall vol. 8 ml, length: 152 mm, 20 drops/ml (E) | 250 | |





## POLYETHYLENE NON-GRADUATED TRANSFER PASTEUR PIPETTES, STERILE

Individually wrapped in flow-pack packaging. EO (Ethylene oxide) sterilized. Free sterilization certificate available on the website

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PIPP-E80-1K0 | overall vol. 8 ml, length: 157 mm, 20 drops/ml | 1000 | |



## DISPOSABLE SYRINGES, STERILE

Two-part. Luer cone. Single packed. EO (Ethylene oxide) sterilized. According to ISO 13485. Barrel made of PP and piston of PE. For lab use only, not for medical use. Free sterilization certificate available on the website

| reference | capacity | pcs/ pack | price/ pack |
|---|---|---|---|
| SYRI-002-100 | 2 ml | 100 | |
| SYRI-005-100 | 5 ml | 100 | |
| SYRI-010-100 | 10 ml | 100 | |
| SYRI-020-080 | 20 ml | 80 | |



## DISPOSABLE SYRINGES, LUER LOCK, STERILE

Three-part. With centered Luer Lock (MLL) and elastomere piston for precise dosing. Single packed. EO (Ethylene oxide) sterilized. According to ISO 7886-1, EN 20594-1 and DIN EN ISO 11135-1. Comptatible with Branchia syringe filters. For lab use only, not for medical use. Free sterilization certificate available on the website

| reference | capacity | pcs/ pack | price/ pack |
|---|---|---|---|
| SYRL-002-100 | 2,5 ml | 100 | |
| SYRL-005-100 | 5 ml | 100 | |
| SYRL-010-100 | 10 ml | 100 | |
| SYRL-020-050 | 20 ml | 50 | |



## *EASY 5 RUBBER PIPETTE FILLER*

Red natural rubber. With 3 valves for filling, delivery and air release

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| EAS5-001-001 | standard: for pipettes up to 10 ml | 1 | |
| EAS5-002-001 | long: for pipettes up to 100 ml | 1 | |
| “Saving package” | | | |
| EAS5-001-025 | standard: for pipettes up to 10 ml | 25 | |
| EAS5-002-025 | long: for pipettes up to 100 ml | 25 | |

## *EASY 8 PIPETTE PUMP FILLER*

EASY

Made of ABS. With wheel and piston, for easy one-hand control of filling and delivery from any glass or plastic pipettes

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| EAS8-002-001 | blue: up to 2 ml pipettes | 1 | |
| EAS8-010-001 | green: up to 10 ml pipettes | 1 | |
| EAS8-025-001 | red: up to 25 ml pipettes | 1 | |
| "Saving package" | | | |
| EAS8-002-010 | blue: up to 2 ml pipettes | 10 | |
| EAS8-010-010 | green: up to 10 ml pipettes | 10 | |
| EAS8-025-010 | red: up to 25 ml pipettes | 10 | |



## *EASY 9 PIPETTE CONTROLLER WITH FILTER*

EASY

To fill and dispense liquid in glass and plastic pipettes from 0.1 to 100 ml. Autoclavable silicone pipette holder. Includes an inner 3.0 µm spare part filter to prevent liquid entrance. Warranty 2 years

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| EAS9-001-001 | for 0.1 - 100 ml pipettes | 1 | |
| Spare parts | | | |
| EAS9-FIL-002 | 3.0 µm filter for EASY 9 | 2 | |




## **ELECTRONIC PIPETTE FILLING DEVICE,** *EASY 60β*

EASY

Ergonomic and lightweight design, easy to handle with one hand. For easy, secure and efficient liquid filling and delivery. Can be used with glass or plastic pipettes from 0.1 to 100 ml. Autoclavable hydrophobic 0.45 µm filter preventing excess aspiration. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| EASY-B60-001 | EASY 60β | 1 | |
| Spare parts | | | |
| EASY-A01-001 | 0,45 µm filter for EASY 60β | 1 | |



## **ELECTRONIC PIPETTE FILLING DEVICE,** *EASY 60+*

EASY

For easy, secure and efficient liquid filling and delivery. An inner PTFE 0.45 µm filter and a security valve prevent any liquid entrance in the device. The cone fixing the pipettes is autoclavable up to 121 °C. Can be used with glass or plastic pipettes from 0.1 to 100 ml. Easy to use, ergonomical and one-hand control. Wall hanger device, internal rechargeable battery, spare 0,45 µm PTFE filter and 0,2 µm filter included. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| EASY-P60-001 | EASY 60+ Pipette filling device, 230 V | 1 | |
| Accessories and spare parts | | | |
| EASY-FIL-005 | EASY 60+ spare filter, 0,2 µm | 5 | |
| EASY-FI4-005 | EASY 60+ spare filter, 0,45 µm | 5 | |
| EASY-CON-001 | EASY 60+ spare fixing cone made of silicone | 1 | |
| EASY-BAT-002 | set of 2 Ni-MH batteries for EASY 60+ | 2 | |





EASY

## BOTTLE TOP DISPENSER, *EASY 20K*

Good chemical resistance. Made of PTFE, 3.3 borosilicate glass, polypropylene and FEP. High reproducibility of the volumes. The instrument can be screwed directly onto a GL 45 screwthread. For other bottles, use the accompanying adapters for the most common threads in laboratory bottles. Easy to clean and maintain. This instrument is designed for dispensing liquids, observing the following limits: temperature range: +15 to 40 °C of instrument and reagent, vapor pressure up to 500 mbar, density up to 2.2 g/cm³ and the viscosity up to 500 mm²/s. Bottle not included. Warranty 2 years. Each dispenser has been calibrated individually as per EN-ISO 8655.

| reference | capacity | increment | accuracy | precision | adapters | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| EAS2-K05-001 | 0,5 - 5 ml | 0,10 ml | ± 0,025 ml | 0,005 ml | GL 25, 28, 32, 38, S40 | 1 | |
| EAS2-K10-001 | 1 - 10 ml | 0,20 ml | ± 0,05 ml | 0,010 ml | GL 25, 28, 32, 38, S40 | 1 | |
| EAS2-K25-001 | 2,5 - 25 ml | 0,50 ml | ± 0,125 ml | 0,025 ml | GL 32, 38, S40 | 1 | |
| EAS2-K50-001 | 5 - 50 ml | 1,00 ml | ± 0,250 ml | 0,050 ml | GL 32, 38, S40 | 1 | |



EASY

## BOTTLE TOP DISPENSER, *EASY 20K+*

Excellent chemical resistance. Made of PTFE, 3.3 borosilicate glass, polypropylene and FEP. High reproducibility of the volumes. The instrument can be screwed directly onto a GL 45 screwthread. For other bottles, use the accompanying adapters for the most common threads in laboratory bottles. Easy to clean and maintain. Fully autoclavable. This instrument is designed for dispensing liquids, observing the following limits: temperature range: +15 to 40 °C of instrument and reagent, vapor pressure up to 500 mbar, density up to 2.2 g/cm³ and the viscosity up to 500 mm²/s.

| reference | capacity | increment | accuracy | precision | adapters | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| EAS2-P05-001 | 0,5 - 5 ml | 0,10 ml | ± 0,025 ml | 0,005 ml | GL 25, 28, 32, 38, S40 | 1 | |
| EAS2-P10-001 | 1 - 10 ml | 0,20 ml | ± 0,05 ml | 0,010 ml | GL 25, 28, 32, 38, S40 | 1 | |
| EAS2-P25-001 | 2,5 - 25 ml | 0,50 ml | ± 0,125 ml | 0,025 ml | GL 32, 38, S40 | 1 | |
| EAS2-P50-001 | 5 - 50 ml | 1,00 ml | ± 0,250 ml | 0,050 ml | GL 32, 38, S40 | 1 | |
| EAS2-10P-001 | 10 - 100 ml | 2,00 ml | ± 0,500 ml | 0,100 ml | GL 32, 38, S40 | 1 | |



EASY

## BOTTLE TOP DISPENSER WITH RECIRCULATION, *EASY 20R+*

Excellent chemical resistance. Made of borosilicate glass and and high chemical resistance materials. High reproducibility of the measurements. Re-circulable valve that prevents liquid leaks. Security lock. Includes calibration tool and 4 universal adapters for bottles. Easy to clean and maintain due to a springless valve design. This instrument is designed for dispensing liquids, under the following conditions of use: temperature range: 15 to 40 °C (instrument and reagent), vapor pressure up to 500 mbar, density up to 2.2 g/cm³ and viscosity up to 500 mm²/s. Each dispenser has been calibrated individually as per EN-ISO 8655. It has a unique serial number engraved and is delivered with a calibration certificate. Check the complete table of chemical compatibilities on our website. Warranty 2 years

| reference | capacity | increment | accuracy | precision | adapters | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| EAS2-R05-001 | 0,5 - 5 ml | 0,1 ml | ± 0,025 ml | 0,01 ml | GL 28-38-45-S40 | 1 | |
| EAS2-R10-001 | 1 - 10 ml | 0,2 ml | ± 0,050 ml | 0,02 ml | GL 28-38-45-S40 | 1 | |
| EAS2-R25-001 | 2,5 - 25 ml | 0,5 ml | ± 0,125 ml | 0,05 ml | GL 28-38-45-S40 | 1 | |
| EAS2-R50-001 | 5 - 50 ml | 1,00 ml | ± 0,250 ml | 0,1 ml | GL 28-38-45-S40 | 1 | |
| EAS2-10R-001 | 10 - 100 ml | 2,00 ml | ± 0,500 ml | 0,2 ml | GL 28-38-45-S40 | 1 | |

## *CALIBRATION CERTIFICATE FOR FIXED VOLUME MICROPIPETTES

Delivered by a laboratory approved by ENAC under ISO 17025 standards, recognized by similar accreditationbodies in 50 countries, such as COFRAC (France), DKD (Germany) or UKAS (UK). The calibration procedure includescalibration at 1 point according to UNE-EN ISO 8655 standards (100% of the nominal volume). The laboratoryissues calibration certificates for the micropipettes in digital format. Note: Company data are mandatory for issuing a certificate. Exclusive for new Labbox micropipettes, must be ordered with the micropipette. Delivery time 10 days



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CERM-E01-001 | 1 volume, 10 repetitions | 1 | |

## *CALIBRATION CERTIFICATE FOR VARIABLE VOLUME MICROPIPETTES

NEW

Delivered by a laboratory approved by ENAC under ISO 17025 standards, recognized by similar accreditation bodies in 50 countries, such as COFRAC (France), DKD (Germany) or UKAS (UK). The standard calibration procedure includes the 3-point calibration per channel according to UNE-EN ISO 8655 (1st point to 100% of the nominal volume, 2nd point to 50% of the nominal volume and 3rd point to the lower limit of the useful volume range or 10% of the nominal volume, whichever is higher). The laboratory issues calibration certificates for the micropipettes in digital format. Note: Company data are mandatory for issuing a certificate. Exclusive for new Labbox micropipettes, must be ordered with the micropipette. Delivery time 10 days



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CERM-E02-001 | single-channel, 3 volumes, 10 repetitions | 1 | |
| CERM-E03-001 | multi-channel, 3 volumes, 10 repetitions | 1 | |

## FIXED VOLUME MICROPIPETTE, *EASY 30+*

EASY

3 WARRANTY

Reduced weight, ergonomic design and smooth pushing system to minimize hand and finger tiredness. Minimum bodyheat transfer to internal parts for high accuracy even during continuous use. Autoclavable tip cone. Each micropipette was individually calibrated according to EN-ISO 8655 standard, showing an embossed identifying serial numberand delivered with a calibration report. See the spare parts available for these micropipettes on our website. Warranty 3 years



| reference | capacity | accuracy | precision | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| EASC-10P-001 | 100 µl | ±0,5% | ±0,3% | 1 | |
| EASC-20P-001 | 200 µl | ±0,4% | ±0,2% | 1 | |
| EASC-50P-001 | 500 µl | ±0,3% | ±0,2% | 1 | |
| EASC-1KP-001 | 1000 µl | ±0,3% | ±0,15% | 1 | |

EASY

## VARIABLE VOLUME MICROPIPETTE, *EASY 40+*



3 WARRANTY

Reduced weight, ergonomic design and smooth pushing system to minimize hand and finger tiredness. Minimum bodyheat transfer to internal parts for high accuracy even during continuous use. Autoclavable tip cone. Tip ejection mechanism (except in EASD-10K-001). Accurate volume adjustment with an audible “click” signal to avoid mistakes. Each micropipette was individually calibrated according to EN-ISO 8655 standard, showing an embossed identifying serial number and delivered with a calibration report. See the spare parts available for these micropipettes on our website. 3 year warranty

| reference | capacity | increment | accuracy | precision | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| EASD-P02-001 | 0,1 - 2,5 µl | 0,01 µl | ±12,0% - 2,5% | ±6,0% - 1,6% | 1 | |
| EASD-P10-001 | 0,5 - 10 µl | 0,1 µl | ±2,5% - 1,0% | ±1,5% - 0,8% | 1 | |
| EASD-P20-001 | 2 - 20 µl | 0,1 µl | ±2,0% - 1,8% | ±2,0% - 0,4% | 1 | |
| EASD-P50-001 | 5 - 50 µl | 0,5 µl | ±3,0% - 0,9% | ±2,0% - 0,3% | 1 | |
| EASD-10P-001 | 10 - 100 µl | 0,5 µl | ±3,0% - 0,8% | ±1,5% - 0,15% | 1 | |
| EASD-20P-001 | 20 - 200 µl | 1,0 µl | ±2,0% - 0,6% | ±0,8% - 0,15% | 1 | |
| EASD-1KP-001 | 100 - 1000 µl | 5,0 µl | ±2,0% - 0,6% | ±0,7% - 0,2% | 1 | |
| EASD-5KP-001 | 500 - 5000 µl | 50,0 µl | ±2,0% - 0,5% | ±0,6% - 0,2% | 1 | |
| EASD-10K-001 | 1000 - 10000 µl | 100,0 µl | ±3,0% - 0,6% | ±0,6% - 0,2% | 1 | |

EASY

## VARIABLE VOLUME MICROPIPETTE, *EASY 40 Elite*



121°

2 WARRANTY

Micropipettes of “Elite” series are the result of manufacturing with new and innovative materials. They offer a ligth and ergonomic design, clear and easy-to-read display with large numbers and small increments. Fully autoclavable at 121 °C without the need of disassembly. Intuitive operation with one hand. Easy calibration and maintenance. Besides each micropipette was individually calibrated according to EN-ISO 8655 standard, showing an embossed identifying serial number and delivered with a quality control report. Warranty 2 years

| reference | capacity | increment | accuracy | precision | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| EASD-E02-001 | 0,1 - 2,5 µl | 0,05 µl | ±12,0% - 2,5% | ±6,0% - 2,0% | 1 | |
| EASD-E10-001 | 0,5 - 10 µl | 0,1 µl | ±2,5% - 1,0% | ±1,5% - 0,8% | 1 | |
| EASD-E20-001 | 2 - 20 µl | 0,5 µl | ±3,0% - 0,9% | ±2,0% - 0,4% | 1 | |
| EASD-E50-001 | 5 - 50 µl | 0,5 µl | ±2,0% - 0,6% | ±2,0% - 0,3% | 1 | |
| EASD-10E-001 | 10 - 100 µl | 1,0 µl | ±3,0% - 0,8% | ±1,5% - 0,15% | 1 | |
| EASD-20E-001 | 20 - 200 µl | 1,0 µl | ±3,0% - 0,6% | ±1,0% - 0,15% | 1 | |
| EASD-1KE-001 | 100 - 1000 µl | 5,0 µl | ±2,0% - 0,6% | ±0,7% - 0,2% | 1 | |
| EASD-5KE-001 | 500 - 5000 µl | 50,0 µl | ±0,7% - 0,5% | ±0,3% - 0,15% | 1 | |

EASY

## ACCESSORIES FOR EASY MICROPIPETTES



Stands for 4 or 6 micropipettes EASY 30+, EASY 40+, EASY 40 Elite and EASY 40 Xpert

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| EASS-P04-001 | linear stand for 4 micropipettes EASY 30+ and 40+ | 1 | |
| EASS-P06-001 | linear stand for 6 micropipettes EASY 30+ and 40+ | 1 | |
| EASS-RX6-001 | rotary stand for 6 micropipettes EASY 40 Xpert | 1 | |
| EASS-L06-001 | linear stand for 6 micropipettes EASY 40 Elite and HiPette | 1 | |
| EASS-R06-001 | rotary stand for 6 micropipettes EASY 40 Elite | 1 | |

## VARIABLE VOLUME MICROPIPETTE, *EASY 40 Xpert*

EASY

Pipetting with minimal effort thanks to a magnet-assisted piston that ensures unmatched consistency in results. Fatigue-free experience powered by an ergonomic design approach, unique shock-absorbing tip ejector and comfortable finger rest. Precise adjustment of the desired volume with large 4-digit display. High-quality materials with great durability and prevention against chemical and physical corrosion. Fully autoclavable. Each micropipette has been individually calibrated according to ISO 8655-6 and 17025 and has an engraved unique serial number and is supplied with a calibration certificate. 3 year warranty




| reference | capacity | increment | accuracy | precision | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| EASD-X02-001 | 0,1 - 2,5 µl | 0,002 µl | 2,5 % | 1,5 % | 1 | |
| EASD-X10-001 | 0,5 - 10 µl | 0,02 µl | 1,5 % | 0,8 % | 1 | |
| EASD-X20-001 | 2 - 20 µl | 0,02 µl | 1,2 % | 0,6 % | 1 | |
| EASD-X50-001 | 5 - 50 µl | 0,1 µl | 0,8 % | 0,4 % | 1 | |
| EASD-10X-001 | 10 - 100 µl | 0,1 µl | 1 % | 0,3 % | 1 | |
| EASD-20X-001 | 20 - 200 µl | 0,2 µl | 0,7 % | 0,2 % | 1 | |
| EASD-30X-001 | 30 - 300 µl | 0,2 µl | 0,7 % | 0,2 % | 1 | |
| EASD-1KX-001 | 100 - 1000 µl | 1 µl | 1 % | 0,2 % | 1 | |
| EASD-5KX-001 | 500 - 5000 µl | 10 µl | 1,2 % | 0,2 % | 1 | |
| EASD-1XX-001 | 1000 - 10000 µl | 20 µl | 0,8 % | 0,2 % | 1 | |

## VARIABLE VOLUME MULTICHANNEL MICROPIPETTE, *EASY 40 Xpert*

EASY

Pipetting with minimal effort thanks to a magnet-assisted piston that ensures unmatched consistency in results. Fatigue-free experience powered by an ergonomic design approach, unique shock-absorbing tip ejector and comfortable finger rest. Precise adjustment of the desired volume with large 4-digit display. All internal components of the manifold are made of high quality alloys to provide precise volume in all channels. Easily removable 360° rotating manifold for convenient maintenance. Fully autoclavable. Each micropipette has been individually calibrated according to ISO 8655-6 and 17025 and has an engraved unique serial number and is supplied with a calibration certificate. 3 year warranty







| reference | channels | capacity | increment | accuracy | precision | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| EASD-G10-001 | 8 | 0,5 - 10 µl | 0,02 µl | 0,04 % | 0,02 % | 1 | |
| EASD-T10-001 | 12 | 0,5 - 10 µl | 0,02 µl | 0,04 % | 0,02 % | 1 | |
| EASD-G20-001 | 8 | 2 - 20 µl | 0,02 µl | 0,03 % | 0,02 % | 1 | |
| EASD-T20-001 | 12 | 2 - 20 µl | 0,02 µl | 0,03 % | 0,02 % | 1 | |
| EASD-G50-001 | 8 | 5 - 50 µl | 0,1 µl | 1,5 % | 0,01 % | 1 | |
| EASD-T50-001 | 12 | 5 - 50 µl | 0,1 µl | 1,5 % | 0,01 % | 1 | |
| EASD-10G-001 | 8 | 10 - 100 µl | 0,1 µl | 0,01 % | 0,8 % | 1 | |
| EASD-10T-001 | 12 | 10 - 100 µl | 0,1 µl | 0,01 % | 0,8 % | 1 | |
| EASD-20G-001 | 8 | 20 - 200 µl | 0,2 µl | 0,01 % | 0,4 % | 1 | |
| EASD-20T-001 | 12 | 20 - 200 µl | 0,2 µl | 0,01 % | 0,4 % | 1 | |
| EASD-30G-001 | 8 | 30 - 300 µl | 0,2 µl | 0,01 % | 0,5 % | 1 | |
| EASD-30T-001 | 12 | 30 - 300 µl | 0,2 µl | 0,01 % | 0,5 % | 1 | |
| EASD-1KG-001 | 8 | 120 - 1200 µl | 1,0 µl | 1,0 % | 0,3 % | 1 | |
| EASD-1KT-001 | 12 | 120 - 1200 µl | 1,0 µl | 1,0 % | 0,3 % | 1 | |



EASY

2 WARRANTY

## VARIABLE VOLUME MOTORIZED DIGITAL MICROPIPETTE, *EASY W*

Innovative digital micropipette that combines the easy handling of a manual micropipette with the functions of an electronic micropipette: Pipetting, Mixing, Stepper and Dilution. Designed for maximum performance, accuracy and simple operation, can eliminate manual pipetting errors. Ergonomic design and small body dimensions to reduce hand and finger tiredness. Light weight nearly equal to a manual pipette. Easy self-calibration system. USB port to connect to the PC allows to calibrate using the manufacturer's software. Lithium-ion battery. Includes a wall stand with charging function. Each electronic micropipette has been individually calibrated according to EN-ISO 8655 standard, showing an embossed identifying serial number, and is delivered with a calibration report. Warranty 2 years

| reference | capacity | increment | accuracy | accuracy (CV) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| EASW-010-001 | 0,5 - 10 µl | 0,01 µl | ±3,5% - 1,0% | 3,0% - 0,5% | 1 | |
| EASW-050-001 | 5 - 50 µl | 0,1 µl | ±3,0% - 0,8% | 2,5% - 0,3% | 1 | |
| EASW-300-001 | 30 - 300 µl | 1 µl | ±3,0% - 0,6% | 0,7% - 0,2% | 1 | |
| EASW-1K0-001 | 100 - 1000 µl | 5 µl | ±3,0% - 0,6% | 0,6% - 0,2% | 1 | |

A



B



astiK's

121°

## MICROPIPETTE TIPS, POLYPROPYLENE, 0,5 - 10 µl *STANDARD LINE*

Loose tips in bags. Two types available: Gilson type (compatible with EASY 40 , Gilson, HTL, Biohit, Finnpipette, Jencons, Genex, Nichiryo, Kartell) and Eppendorf type (compatible with EASY 40 Elite, Eppendorf, Gilson, Biohit, Brand, Socorex, HTL). Natural color

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TIPP-010-1K0 | 0.5 - 10 µl Gilson type (A) | 1000 | |
| TIPP-011-1K0 | 0.5 - 10 µl Eppendorf type (B) | 1000 | |
| "Saving package" | | | |
| TIPP-010-40K | 0.5 - 10 µl Gilson type (A) | 40 x 1000 | |
| TIPP-011-20K | 0.5 - 10 µl Eppendorf type (B) | 20 x 1000 | |

A B C



astiK's

121°

## MICROPIPETTE TIPS, POLYPROPYLENE, 2 - 200 µL *STANDARD LINE*

Loose tips in bags. Eppendorf, Gilson, and Finn type models

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TIPC-200-1K0 | Eppendorf type, yellow (A) | 1000 | |
| TIPC-201-1K0 | Gilson type, yellow, graduated (B) | 1000 | |
| TIPC-202-1K0 | Finn type, neutral (C) | 1000 | |
| "Saving package" | | | |
| TIPC-200-20K | Eppendorf type, yellow (A) | 20 x 1000 | |
| TIPC-201-20K | Gilson type, yellow, graduated (B) | 20 x 1000 | |
| TIPC-202-20K | Finn type, neutral (C) | 20 x 1000 | |

## MICROPIPETTE TIPS, POLYPROPYLENE, 100 - 1000 µl *STANDARD LINE*

Loose tips in bags. Three models available: Gilson type (specially designed for Gilson Pipetman), Eppendorf type (compatible with Eppendorf, Socorex, Nichiryo Biohit, Brand) and Universal type (compatible with EASY, Gilson, Eppendorf, HTL, Biohit, Finnpipette, Jencons, Genex, Nichiryo, Kartell, Socorex)

astiK's

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TIPC-1K0-500 | Gilson type, blue (A) | 500 | |
| TIPC-1K1-500 | Eppendorf type, blue (B) | 500 | |
| TIPP-1K2-500 | universal type, blue (C) | 500 | |
| "Saving package" | | | |
| TIPC-1K0-10K | Gilson type, blue (A) | 20 x 500 | |
| TIPC-1K1-10K | Eppendorf type, blue (B) | 20 x 500 | |
| TIPP-1K2-10K | universal type, blue (C) | 20 x 500 | |




## MICROPIPETTE TIPS, POLYPROPYLENE, 1 - 5 ml *STANDARD LINE*

Loose tips in bags. Gilson-type models (compatible with Socorex) and Finn (compatible with Oxford, MLA). Neutral color. Autoclavable

astiK's

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TIPP-5K0-250 | Gilson type | 250 | |
| TIPC-5K0-250 | Finn type | 250 | |



## MICROPIPETTE TIPS, POLYPROPYLENE, 10 ml *STANDARD LINE*

Loose tips in bags. Finn type model (compatible with Oxford, MLA). Neutral color

astiK's

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TIPC-10K-100 | non-graduated | 100 | |



## RACKS FOR POLYPROPYLENE TIPS, *STANDARD LINE*

PP racks compatible with Standard Line micropipette tips. Tips not included

astiK's

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TIPR-010-001 | for 96 tips of 1-10µl Gilson type | 1 | |
| TIPR-200-001 | for 96 tips of 20 - 200 µl Gilson type | 1 | |
| TIPR-1K0-001 | for 100 tips of 1 ml Gilson/Eppendorf type | 1 | |
| TIPR-5K0-001 | for 28 tips of 5 ml Finn type | 1 | |



The compatibilities of the astiK's tips for micropipette are indicated for informational purposes to facilitate the change between brands and are indicated in the same descriptions and in more detail in the table that you can find on our website. In case you still have doubts about the compatibility of these tips with your micropipette or are interested in purchasing our tips for the first time, it is advisable to carry out a test before use. Feel free to contact our customer service department to request free samples without obligation

astiK's

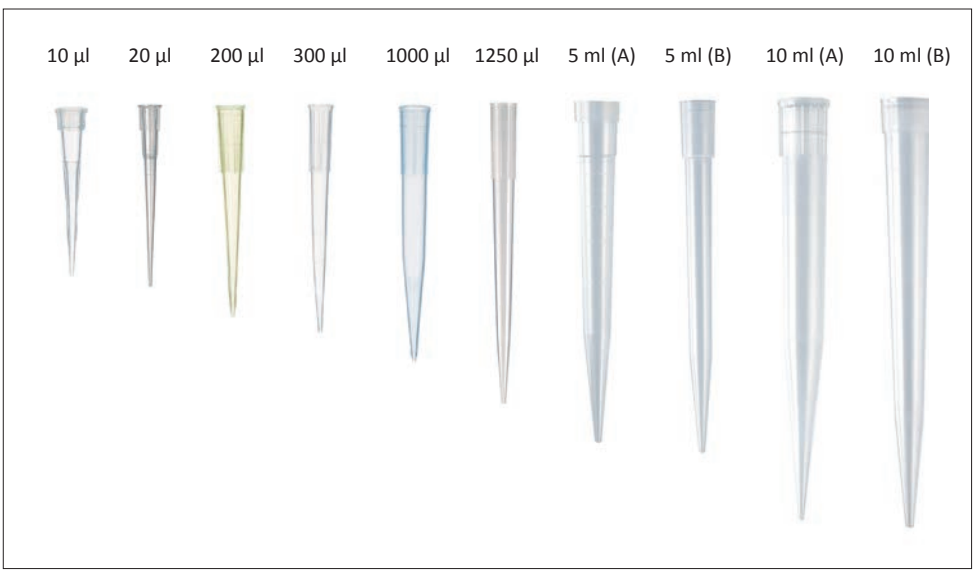
## MICROPIPETTE TIPS, POLYPROPILENE *PREMIUM LINE*

Made of 100% virgin polypropylene. Specially designed for PCR and other molecular biology assays. DNase, RNase and Pyrogen-free. Compatible with most micropipette brands, check the specific list on our website. Packed in sterile polypropylene racks and bags of 1000 non-sterile tips. The non-sterile references can be autoclaved. Free sterilization certificate available on the website





| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| In bag, non-sterile | | | |
| TICD-010-1K0 | 10 µl | 1000 | |
| TIAD-02N-1K0 | narrow, 20 µl | 1000 | |
| TICD-200-1K0 | 200 µl | 1000 | |
| TIAD-300-1K0 | 300 µl | 1000 | |
| TICD-1K0-1K0 | 1000 µl | 1000 | |
| TIAD-1KL-500 | 500 | | |
| TIAD-5K0-100 | 5 ml Eppendorf type (A) | 100 | |
| TIAD-5K1-100 | 5 ml Gilson type (B) | 100 | |
| TIAD-10K-100 | 10 ml (A) | 100 | |
| TIAD-1BK-100 | 10 ml (B) | 100 | |
| In rack, sterile | | | |
| TICD-010-096 | 10 µl | 96 | |
| TIAD-02N-096 | narrow, 20 µl | 96 | |
| TICD-200-096 | 200 µl | 96 | |
| TICD-1K0-096 | 1000 µl | 96 | |
| TIAD-1KL-096 | 1250 µl | 96 | |
| “Saving package” (racks) | | | |
| TICD-010-960 | 10 µl | 10 x 96 | |
| TICD-200-960 | 200 µl | 10 x 96 | |
| TICD-1K0-960 | 1000 µl | 10 x 96 | |



## FILTERED MICROPIPETTE TIPS, POLYPROPYLENE *PREMIUM LINE*

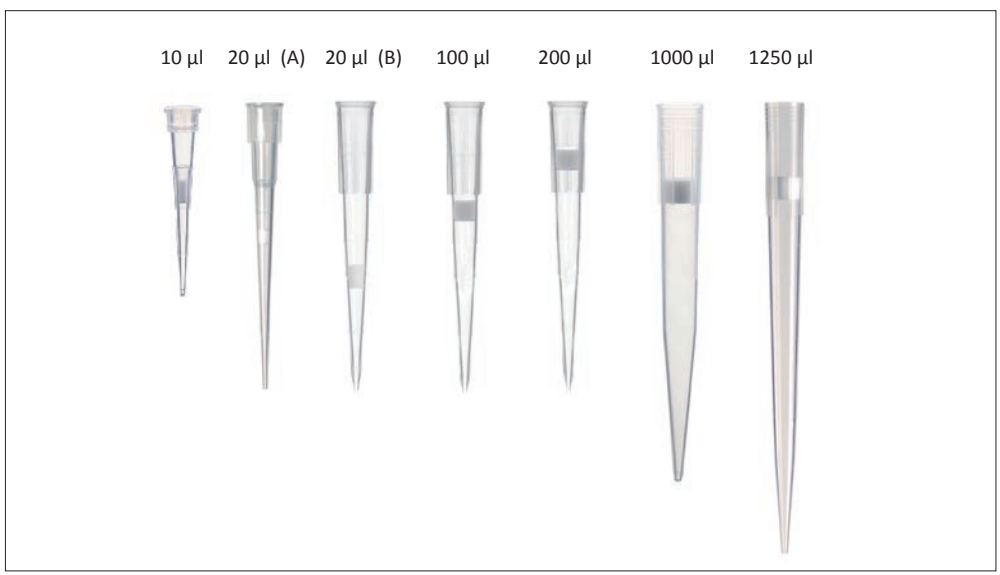
astiK's

Made of 100% virgin polypropylene. Specially designed for PCR and other molecular biology assays. DNase, RNase and Pyrogen-free. Compatible with most micropipette brands, check the specific list on our website. Packed in sterile polypropylene racks and bags of 1000 non-sterile tips. Natural colour. Free sterilization certificate available on the website





| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| In bag, non-sterile | | | |
| TICF-010-1K0 | 10 µl | 1000 | |
| TIAF-02N-1K0 | narrow, 20 µl (A) | 1000 | |
| TICF-020-1K0 | 20 µl (B) | 1000 | |
| TICF-100-1K0 | 100 µl | 1000 | |
| TICF-200-1K0 | 200 µl | 1000 | |
| TICF-1K0-1K0 | 1000 µl | 1000 | |
| TIAF-1KL-500 | 1250 µl | 500 | |
| In rack, sterile | | | |
| TICF-010-096 | 10 µl | 96 | |
| TIAF-02N-096 | narrow, 20 µl (A) | 96 | |
| TICF-020-096 | 20 µl (B) | 96 | |
| TICF-100-096 | 100 µl | 96 | |
| TICF-200-096 | 200 µl | 96 | |
| TICF-1K0-096 | 1000 µl | 96 | |
| TIAF-1KL-096 | 1250 µl | 96 | |
| "Saving package" (racks) | | | |
| TICF-010-960 | 10 µl | 10 x 96 | |
| TICF-020-960 | 20 µl (B) | 10 x 96 | |
| TICF-100-960 | 100 µl | 10 x 96 | |
| TICF-200-960 | 200 µl | 10 x 96 | |
| TICF-1K0-576 | 1000 µl | 6 x 96 | |





## PP TIPS IN CARDBOARD RACK, *PREMIUM LINE*

An environmentally friendly solution that offers a unique combination of lightweight, durable, and biodegradable materials. Primarily made from 100% biodegradable material, reducing plastic consumption by 60% compared to traditional alternatives. Feature a durable and robust design. After use, these racks can be easily crushed and disposed of, providing a cost-effective and eco-friendly solution. They are pre-sterilized (non-autoclavable) and optimized for stacking, eliminating the plastic burden associated with traditional racks while maintaining quality. Tips are made from 100% virgin polypropylene and are free from DNase, RNase, and pyrogens. Free sterilization certificate available on the website



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| Without filter | | | |
| TIED-010-096 | 10 µl, without filter | 96 | |
| TIED-020-096 | 20 µl, without filter | 96 | |
| TIED-200-096 | 200 µl, without filter | 96 | |
| TIED-1K0-096 | 1000 µl, without filter | 96 | |
| With filter | | | |
| TIEF-010-096 | 10 µl, with filter | 96 | |
| TIEF-020-096 | 20 µl, with filter | 96 | |
| TIEF-100-096 | 100 µl, with filter | 96 | |
| TIEF-200-096 | 200 µl, with filter | 96 | |
| TIEF-1K0-096 | 1000 µl, with filter | 96 | |



## ULTRA LOW RETENTION TIPS, PP, *PREMIUM LINE*

Manufactured to create a “super hydrophobic“ internal surface that reduces the binding and increases sample delivery accuracy. On average ULR tips reduce tip retention by nearly 85 % and decrease the standard deviation of the retained volume by more than 75 %. Human DNA-free and certified free from DNase, RNase and PCR inhibitors. Presented in sterile polypropylene racks. Natural color. Natural color. Free sterilization certificate available on the website

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| Without filter | | | |
| TIAU-010-096 | 10 µl | 96 | |
| TIAU-02N-096 | 20 µl, narrow | 96 | |
| TIAU-020-096 | 20 µl | 96 | |
| TIAU-200-096 | 200 µl | 96 | |
| TIAU-1K0-096 | 1000 µl | 96 | |
| TIAU-1KL-096 | 1250 µl | 96 | |
| With filter | | | |
| TIUF-010-096 | 10 µl | 96 | |
| TIUF-020-096 | 20 µl | 96 | |
| TIUF-050-096 | 50 µl | 96 | |
| TIUF-100-096 | 100 µl | 96 | |
| TIUF-200-096 | 200 µl | 96 | |
| TIUF-1K0-096 | 1000 µl | 96 | |

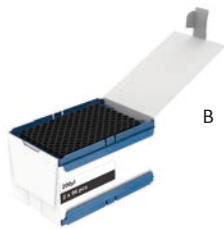
## PP ROBOTIC TIPS, TECAN TYPE, *PREMIUM LINE*

astiK's

Premium-grade virgin polypropylene tips manufactured with USP class VI resins. Electrically conductive. Meticulously validated on the specific instrument they are designed for, ensuring precision. The included polycarbonate tray features color-coding for easy volume identification. Manufactured in an ISO-certified 9001 and 13485 facility, these tips are certified Endotoxin, Heavy Metals, RNase, DNase, and DNA-free, and are available in non-sterile (B), sterile and filtered sterile formats (A), with a polyethylene filter to prevent aerosol contamination. Free sterilization certificate available on the website


A

| reference | type | description | pcs/ pack | price/ pack |
|---|---|---|---|---|
| Blister pack, sterile | | | | |
| TIRT-010-096 | A | 10 µl, grey rack | 96 | |
| TIRT-F10-096 | A | 10 µl, with filter, grey rack | 96 | |
| TIRT-200-096 | A | 200 µl, blue rack | 96 | |
| TIRT-20F-096 | A | 200 µl, with filter, blue rack | 96 | |
| TIRT-1K0-096 | A | 1000 µl, yellow rack | 96 | |
| TIRT-1KF-096 | A | 1000 µl, with filter, yellow rack | 96 | |
| Flip box, non stérile | | | | |
| TIRT-010-192 | B | 10 µl, grey rack | 2 x 96 | |
| TIRT-200-192 | B | 200 µl, rack azul | 2 x 96 | |
| TIRT-1K0-192 | B | 1000 µl, yellow rack | 2 x 96 | |


B

## REAGENT RESERVOIR

astiK's

Polypropylene reservoirs for multichannel pipetting. Available in 10 non-sterile units bag or in single wrapped sterile bags. Sterilized by ethylene oxide. Free sterilization certificate available on the website



| reference | capacity | l (mm) | w (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| RTIP-051-010 | 45 ml | 148 | 61 | 26 | non-sterile | 10 | |
| RTIP-E51-250 | 45 ml | 148 | 61 | 26 | sterile, single wrapped | 250 | |

## DIGITAL BURETTE, *EASY 70*

EASY

Volume range between 0,01 ml and 99,99 ml. The burette's momentum is motorized, which allows a precise and comfortable evaluation, supported by convenient bottle-top titration. Fully-digital controls on the parameters settings and burette process. Large LCD screen. All parameters can be set in the controller. Haves an extra interface to store and export experimental data. Max. piston lift is 10 ml. Each digital burette was individually calibrated according to EN-ISO 8655 standard. Warranty 2 years. Check the complete table of chemical compatibilities on our website



| reference | accuracy | precision | increment | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| EASY-070-001 | 0,2% | 0,07% | 10 µl | 1 | |

## HIGH PRECISION PERISTALTIC PUMP P10 COMPACT

lbx

Peristaltic pump ideal for techniques that require high precision in the dispensing of small volumes. Reversible flow. LED display with 4 digits. It includes accessories such as a pedal for manual flow control, two-meter-long and 4 mm diameter silicone tube, two check valves, two plastic connectors and a filling nozzle. 110-220 V. Compatible with RS485 / MODBUS communication protocol. Warranty 2 years



| reference | dimensions (length x width x height) | flow rate at atm. pres. | speed range | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| PUMP-10C-001 | 114 x 84 x 98 mm | 0,04 ~ 24,42 ml/min | 0,1 - 100 rpm | 1 | |



## DISPENSING PERISTALTIC PUMP P10

Peristaltic pump with continuous transfer and dispensing function. Suitable for high flow volumes, high efficiency, and precise dispensing. Reversible flow. LED display with 4 digits. It includes accessories such as a pedal for manual flow control, two-meter-long and 10 mm diameter silicone tube, two check valves, two plastic connectors and a filling nozzle. 220 V, 50-60 Hz. Compatible with RS485 / MODBUS communication protocol. Warranty 2 years

| reference | dimensions (length x width x height) | channels | flow rate at atm. pres. | speed range | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| PUMP-10J-001 | 234 x 154 x 143 mm | 1 | 0,007 ~ 380 ml/min | 0,1 - 100 rpm | 1 | |
| PUMP-12J-001 | 292 x 154 x 143 mm | 2 | 0,007 ~ 380 ml/min | 0,1 - 100 rpm | 1 | |
| PUMP-13J-001 | 351 x 154 x 143 mm | 3 | 0,007 ~ 380 ml/min | 0,1 - 100 rpm | 1 | |
| PUMP-30J-001 | 234 x 154 x 143 mm | 1 | 0,007 ~ 1140 ml/min | 0,1 - 300 rpm | 1 | |
| PUMP-32J-001 | 292 x 154 x 143 mm | 2 | 0,007 ~ 1140 ml/min | 0,1 - 300 rpm | 1 | |
| PUMP-33J-001 | 351 x 154 x 143 mm | 3 | 0,007 ~ 1140 ml/min | 0,1 - 300 rpm | 1 | |
| PUMP-60J-001 | 254 x 184 x 150 mm | 1 | 0,007 ~ 2280 ml/min | 0,1 - 600 rpm | 1 | |
| PUMP-62J-001 | 312 x 184 x 150 mm | 2 | 0,007 ~ 2280 ml/min | 0,1 - 600 rpm | 1 | |
| PUMP-63J-001 | 371 x 184 x 150 mm | 3 | 0,007 ~ 2280 ml/min | 0,1 - 600 rpm | 1 | |



## DISPENSING PERISTALTIC PUMP P10+ TOUCH

Peristaltic pump with continuous transfer and dispensing function. LCD touch screen and 2 smart modes; transmission and automatic dosing function. Low consumption and low noise motor. It includes accessories such as a pedal for manual flow control, two-meter-long and 10 mm diameter silicone tube, two check valves, two plastic connectors and a filling nozzle. 220v, 50-60 Hz. Compatible with RS485 / MODBUS communication protocol. Warranty 2 years

| reference | dimensions (length x width x height) | channels | flow rate at atm. pres. | speed range | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| PUMP-30T-001 | 212 x 135 x 240 mm | 1 | 0,007 ~ 1140 ml/min | 0,1 - 300 rpm | 1 | |
| PUMP-32T-001 | 270 x 135 x 240 mm | 2 | 0,007 ~ 1140 ml/min | 0,1 - 300 rpm | 1 | |
| PUMP-33T-001 | 329 x 135 x 240 mm | 3 | 0,007 ~ 1140 ml/min | 0,1 - 300 rpm | 1 | |
| PUMP-60T-001 | 212 x 135 x 240 mm | 1 | 0,007 ~ 2280 ml/min | 0,1 - 600 rpm | 1 | |
| PUMP-62T-001 | 270 x 135 x 240 mm | 2 | 0,007 ~ 2280 ml/min | 0,1 - 600 rpm | 1 | |
| PUMP-63T-001 | 329 x 135 x 240 mm | 3 | 0,007 ~ 2280 ml/min | 0,1 - 600 rpm | 1 | |



## VACUUM ASPIRATOR, ST20

Small and compact vacuum aspirator for liquid waste disposal. The handle operation is simple and flexible. Manual aspiration and continuous aspiration mode, reducing hand fatigue and improving efficiency. The hydrophobic filter prevents aerosol and liquids contamination. Brushless motor and low noise. Includes a 2 L bottle, 8-channel needle, and detrusion adapters for 200 µl and 1 ml tips and 8-channel 200 µl tips (tips not included). All parts in touch with the liquid flow can be autoclaved. Warranty 2 years

| reference | dimensions (length x width x height) | max. vacuum | flow rate at atm. pres. | aspiration speed | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| VAAS-0E1-001 | 180 x 240 x 340 mm | 0 - 500 mbar | 17 ml/s | 15 L/min | 1 | |

## RECOMMENDED TIPS FOR EASY MICROPIPETTES

| | Capacity | Standard Line | Premium Line | ULR Premium Line | Filtered Premium Line |
|---|---|---|---|---|---|
| EASY 30+ | | | | | |
| EASC-10P-001 | 100 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200, TIED-200 | TIAU-200, TIUF-100 | TICF-100, TIEF-100 |
| EASC-20P-001 | 200 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200, TIED-200 | TIAU-200, TIUF-200 | TICF-200, TIEF-200 |
| EASC-50P-001 | 500 µl | TIPC-1K0, TIPC-1K1, TIPP-1K2 | TICD-1K0, TIED-1K0, TIAD-1KL | TIAU-1K0, TIUF-200 | TICF-1K0, TIEF-1K0, TIAF-1KL |
| EASC-1KP-001 | 1000 µl | TIPC-1K0, TIPC-1K1, TIPP-1K2 | TICD-1K0, TIED-1K0, TIAD-1KL | TIAU-1K0, TIUF-200 | TICF-1K0, TIEF-1K0, TIAF-1KL |
| EASY 40+ | | | | | |
| EASD-P02-001 | 0,1 - 2,5 µl | TIPP-010, TIPP-011 | TICD-010, TIAD-02N, TIED-010 | TIAU-010, TIAU-02N, TIUF-010 | TICF-010, TIAF-02N, TIEF-010 |
| EASD-P10-001 | 0,5 - 10 µl | TIPP-010, TIPP-011 | TICD-010, TIAD-02N, TIED-010 | TIAU-010, TIAU-02N, TIUF-010 | TICF-010, TIAF-02N, TIEF-010 |
| EASD-P20-001 | 2 - 20 µl | - | TIAD-02N, TIED-020 | TIAU-020, TIAU-02N, TIUF-020 | TIAF-02N, TIEF-020 |
| EASD-P50-001 | 5 - 50 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200, TIED-200 | TIAU-200, TIUF-050 | TICF-100, TIEF-100 |
| EASD-10P-001 | 10 - 100 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200, TIED-200 | TIAU-200, TIUF-100 | TICF-100, TIEF-100 |
| EASD-20P-001 | 20 - 200 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200, TIED-200 | TIAU-200, TIUF-200 | TICF-200, TIEF-200 |
| EASD-1KP-001 | 100 - 1000 µl | TIPC-1K0, TIPC-1K1, TIPP-1K2 | TICD-1K0, TIED-1K0, TIAD-1KL | TIAU-1K0, TIAU-1KL, TIUF-1K0 | TICF-1K0, TIEF-1K0, TIAF-1KL |
| EASD-5KP-001 | 500 - 5000 µl | - | TIAD-5K0 | - | - |
| EASD-10K-001 | 1000 - 10000 µl | - | TIAD-10K | - | - |
| EASY 40 ELITE | | | | | |
| EASD-E02-001 | 0,1 - 2,5 µl | TIPP-010, TIPP-011 | TICD-010, TIAD-02N, TIED-010 | TIAU-010, TIAU-02N, TIUF-010 | TICF-010, TIAF-02N, TIEF-010 |
| EASD-E10-001 | 0,5 - 10 µl | TIPP-010, TIPP-011 | TICD-010, TIAD-02N, TIED-010 | TIAU-010, TIAU-02N, TIUF-010 | TICF-010, TIAF-02N, TIEF-010 |
| EASD-E20-001 | 2 - 20 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200 | TIAU-200, TIUF-200 | TICF-020 |
| EASD-E50-001 | 5 - 50 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200, TIED-200 | TIAU-200, TIUF-200 | TICF-100, TIEF-100 |
| EASD-10E-001 | 10 - 100 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200, TIED-200, TIAD-300 | TIAU-200, TIUF-200 | TICF-100, TIEF-100 |
| EASD-20E-001 | 20 - 200 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200, TIED-200, TIAD-300 | TIAU-200, TIUF-200 | TICF-200, TIEF-200 |
| EASD-1KE-001 | 100 - 1000 µl | TIPC-1K0, TIPC-1K1, TIPP-1K2 | TICD-1K0, TIED-1K0, TIAD-1KL | TIAU-1K0, TIAU-1KL, TIUF-1K0 | TICF-1K0, TIEF-1K0, TIAF-1KL |
| EASD-5KE-001 | 1000 - 5000 µl | - | TIAD-5K0 | - | - |
| EASY 40 Xpert | | | | | |
| EASD-X02-001 | 0,1 - 2,5 µl | TIPP-010, TIPP-011 | TICD-010, TIAD-02N, TIED-010 | TIAU-010, TIAU-02N, TIUF-010 | TICF-010, TIAF-02N, TIEF-010 |
| EASD-X10-001 | 0,5 - 10 µl | TIPP-010, TIPP-011 | TICD-010, TIAD-02N, TIED-010 | TIAU-010, TIAU-02N, TIUF-010 | TICF-010, TIAF-02N, TIEF-010 |
| EASD-X20-001 | 2 - 20 µl | TIPC-200, TIPC-201, TIPC-202 | TIED-020, TICD-200 | TIAU-020, TIUF-020 | TIAF-02N, TIEF-020 |
| EASD-X50-001 | 5 - 50 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200 | TIAU-200, TIUF-050 | TICF-100, TIEF-100 |
| EASD-10X-001 | 10 - 100 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200, TIED-200, TIAD-300 | TIAU-200, TIUF-100 | TICF-100, TIEF-100 |
| EASD-20X-001 | 20 - 200 µl | TIPC-200, TIPC-201 | TICD-200, TIED-200, TIAD-300 | TIAU-200, TIUF-200 | TICF-200, TIEF-200 |
| EASD-30X-001 | 30 - 300 µl | - | TIAD-300 | - | - |
| EASD-1KX-001 | 100 - 1000 µl | TIPC-1K0, TIPC-1K1, TIPP-1K2 | TICD-1K0, TIAD-1KL | TIAU-1K0, TIAU-1KL, TIUF-1K0 | TICF-1K0, TIEF-1K0, TIAF-1KL |
| EASD-5KX-001 | 1000 - 5000 µl | TIPP-5K0 | TIAD-5K0, TIAD-5K1 | - | - |
| EASD-1XX-001 | 1000 - 10000 µl | - | TIAD-10K | - | - |
| EASY 40 Xpert 8-channels | | | | | |
| EASD-G10-001 | 0,5 - 10 µl | TIPP-010, TIPP-011 | TICD-010, TIAD-02N, TIED-010 | TIAU-010, TIAU-02N, TIUF-010 | TICF-010, TIAF-02N, TIEF-010 |
| EASD-G20-001 | 2 - 20 µl | TIPC-200, TIPC-201, TIPC-202 | TIED-020, TICD-200 | TIAU-020, TIUF-020 | TICF-020, TIEF-020 |
| EASD-G50-001 | 5 - 50 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200 | TIAU-200, TIUF-050 | TICF-100, TIEF-100 |
| EASD-10G-001 | 10 - 100 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200, TIED-200, TIAD-300 | TIAU-200, TIUF-100 | TICF-100, TIEF-100 |
| EASD-20G-001 | 20 - 200 µl | TIPC-200, TIPC-201 | TICD-200, TIED-200, TIAD-300 | TIAU-200, TIUF-200 | TICF-200, TIEF-200 |
| EASD-30G-001 | 30 - 300 µl | - | TIAD-300 | - | - |
| EASD-1KG-001 | 120 - 1200 µl | TIPC-1K0, TIPC-1K1, TIPP-1K2 | TICD-1K0, TIAD-1KL | TIAU-1K0, TIAU-1KL, TIUF-1K0 | TICF-1K0, TIEF-1K0, TIAF-1KL |
| EASY 40 Xpert 12-channels | | | | | |
| EASD-T10-001 | 0,5 - 10 µl | TIPP-010, TIPP-011 | TICD-010, TIAD-02N, TIED-010 | TIAU-010, TIAU-02N, TIUF-010 | TICF-010, TIAF-02N, TIEF-010 |
| EASD-T20-001 | 2 - 20 µl | TIPC-200, TIPC-201, TIPC-202 | TIED-020, TICD-200 | TIAU-020, TIUF-020 | TIAF-02N, TIEF-020 |
| EASD-T50-001 | 5 - 50 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200 | TIAU-200, TIUF-050 | TICF-100, TIEF-100 |
| EASD-10T-001 | 10 - 100 µl | TIPC-200, TIPC-201, TIPC-202 | TICD-200, TIED-200, TIAD-300 | TIAU-200, TIUF-100 | TICF-100, TIEF-100 |
| EASD-20T-001 | 20 - 200 µl | TIPC-200, TIPC-201 | TICD-200, TIED-200, TIAD-300 | TIAU-200, TIUF-200 | TICF-200, TIEF-200 |
| EASD-30T-001 | 30 - 300 µl | - | TIAD-300 | - | - |
| EASD-1KT-001 | 120 - 1200 µl | TIPC-1K0, TIPC-1K1, TIPP-1K2 | TICD-1K0, TIAD-1KL | TIAU-1K0, TIAU-1KL, TIUF-1K0 | TICF-1K0, TIEF-1K0, TIAF-1KL |

Visit our website to check the complete table



## LBG GLASS BEADS

For boiling control and other laboratory uses

| reference | Ø (mm) | accuracy (mm) | [pcs / kg] | [kg / l] | package | price/ pack |
|---|---|---|---|---|---|---|
| BEAD-002-1K0 | 2 | ± 0,2 | 95493 | 1,550 | 1 kg | |
| BEAD-004-1K0 | 4 | ± 0,3 | 11937 | 1,565 | 1 kg | |
| BEAD-006-1K0 | 6 | ± 0,3 | 3537 | 1,540 | 1 kg | |
| BEAD-008-1K0 | 8 | ± 0,4 | 1492 | 1,505 | 1 kg | |




## LBG BOILING FLASK ROUND BOTTOM

Made of borosilicate glass LBG 3.3

| reference | capacity | Ø (mm) | $h_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BFL3-005-001 | 5 ml | 27 | 60 | 14/23 | 1 | |
| BFL3-010-001 | 10 ml | 33 | 68 | 14/23 | 1 | |
| BFL3-025-001 | 25 ml | 41 | 75 | 14/23 | 1 | |
| BFL3-050-001 | 50 ml | 53 | 88 | 14/23 | 1 | |
| BFL3-052-001 | 50 ml | 53 | 94 | 19/26 | 1 | |
| BFL3-051-001 | 50 ml | 53 | 105 | 29/32 | 1 | |
| BFL3-100-001 | 100 ml | 65 | 100 | 14/23 | 1 | |
| BFL3-102-001 | 100 ml | 65 | 106 | 19/26 | 1 | |
| BFL3-103-001 | 100 ml | 65 | 109 | 24/29 | 1 | |
| BFL3-101-001 | 100 ml | 65 | 117 | 29/32 | 1 | |
| BFL3-251-001 | 250 ml | 88 | 134 | 19/26 | 1 | |
| BFL3-252-001 | 250 ml | 88 | 139 | 24/29 | 1 | |
| BFL3-250-001 | 250 ml | 88 | 145 | 29/32 | 1 | |
| BFL3-502-001 | 500 ml | 110 | 158 | 19/26 | 1 | |
| BFL3-500-001 | 500 ml | 110 | 167 | 29/32 | 1 | |
| BFL3-1K0-001 | 1000 ml | 140 | 199 | 29/32 | 1 | |
| BFL3-2K0-001 | 2000 ml | 175 | 234 | 29/32 | 1 | |
| “Saving package” | | | | | | |
| BFL3-005-012 | 5 ml | 27 | 60 | 14/23 | 12 | |
| BFL3-010-012 | 10 ml | 33 | 68 | 14/23 | 12 | |
| BFL3-025-012 | 25 ml | 41 | 75 | 14/23 | 12 | |
| BFL3-050-012 | 50 ml | 53 | 88 | 14/23 | 12 | |
| BFL3-052-012 | 50 ml | 53 | 94 | 19/26 | 12 | |
| BFL3-051-012 | 50 ml | 53 | 105 | 29/32 | 12 | |
| BFL3-100-012 | 100 ml | 65 | 100 | 14/23 | 12 | |
| BFL3-102-012 | 100 ml | 65 | 106 | 19/26 | 12 | |
| BFL3-103-012 | 100 ml | 65 | 109 | 24/29 | 12 | |
| BFL3-101-012 | 100 ml | 65 | 117 | 29/32 | 12 | |
| BFL3-251-010 | 250 ml | 88 | 134 | 19/26 | 10 | |
| BFL3-252-010 | 250 ml | 88 | 139 | 24/29 | 10 | |
| BFL3-250-010 | 250 ml | 88 | 145 | 29/32 | 10 | |
| BFL3-502-006 | 500 ml | 110 | 158 | 19/26 | 6 | |
| BFL3-500-006 | 500 ml | 110 | 167 | 29/32 | 6 | |
| BFL3-1K0-006 | 1000 ml | 140 | 199 | 29/32 | 6 | |
| BFL3-2K0-002 | 2000 ml | 175 | 234 | 29/32 | 2 | |

## BOILING FLASK ROUND BOTTOM, GLASSCO

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN / ISO 4797 and USP standard

| reference | capacity | Ø (mm) | $h_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BFLG-025-001 | 25 ml | 41 | 85 | 14/23 | 1 | |
| BFLG-050-001 | 50 ml | 51 | 90 | 14/23 | 1 | |
| BFLG-051-001 | 50 ml | 51 | 90 | 29/32 | 1 | |
| BFLG-052-001 | 50 ml | 49 | 88 | 24/29 | 1 | |
| BFLG-100-001 | 100 ml | 64 | 105 | 14/23 | 1 | |
| BFLG-101-001 | 100 ml | 64 | 105 | 29/32 | 1 | |
| BFLG-102-001 | 100 ml | 64 | 107 | 24/29 | 1 | |
| BFLG-252-001 | 250 ml | 85 | 140 | 24/29 | 1 | |
| BFLG-250-001 | 250 ml | 85 | 140 | 29/32 | 1 | |
| BFLG-500-001 | 500 ml | 105 | 163 | 29/32 | 1 | |
| BFLG-1K0-001 | 1000 ml | 131 | 200 | 29/32 | 1 | |
| BFLG-2K0-001 | 2000 ml | 166 | 240 | 29/32 | 1 | |
| BFLG-3K0-001 | 3000 ml | 185 | 260 | 29/32 | 1 | |
| BFLG-5K0-001 | 5000 ml | 223 | 305 | 29/32 | 1 | |
| “Saving package” | | | | | | |
| BFLG-025-010 | 25 ml | 41 | 85 | 14/23 | 10 | |
| BFLG-050-010 | 50 ml | 51 | 90 | 14/23 | 10 | |
| BFLG-051-010 | 50 ml | 51 | 90 | 29/32 | 10 | |
| BFLG-052-010 | 50 ml | 49 | 88 | 24/29 | 10 | |
| BFLG-100-010 | 100 ml | 64 | 105 | 14/23 | 10 | |
| BFLG-101-010 | 100 ml | 64 | 105 | 29/32 | 10 | |
| BFLG-102-010 | 100 ml | 64 | 107 | 24/29 | 10 | |
| BFLG-252-010 | 250 ml | 85 | 140 | 24/29 | 10 | |
| BFLG-250-010 | 250 ml | 85 | 140 | 29/32 | 10 | |
| BFLG-500-010 | 500 ml | 105 | 163 | 29/32 | 10 | |
| BFLG-1K0-010 | 1000 ml | 131 | 200 | 29/32 | 10 | |
| BFLG-2K0-006 | 2000 ml | 166 | 240 | 29/32 | 6 | |




## CORK FLASK STAND

For rounded-bottom flasks

| reference | $Ø_{inside}$ (mm) | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CORK-080-001 | 26 | 80 | up to 100 ml flasks | 1 | |
| CORK-100-001 | 48 | 100 | up to 250 ml flasks | 1 | |
| CORK-120-001 | 68 | 120 | up to 500 ml flasks | 1 | |
| CORK-140-001 | 88 | 140 | up to 1000 ml flasks | 1 | |





## POLYETHYLENE FLASK STAND

For rounded-bottom flasks. High chemical resitance. Withstands up to 121 °C

| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| FLSP-001-001 | 160 | up to 10 L flasks | 1 | |



## EVAPORATING FLASK STANDARD GROUND MOUTH, GLASSCO

Manufactured with top quality 3.3 borosilicate glass. To be used in a rotary evaporator

| reference | capacity | $h_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| FLEG-051-001 | 50 ml | 94 | 29/32 | 1 | |
| FLEG-101-001 | 100 ml | 110 | 29/32 | 1 | |
| FLEG-250-001 | 250 ml | 140 | 29/32 | 1 | |
| FLEG-500-001 | 500 ml | 170 | 29/32 | 1 | |
| FLEG-1K0-001 | 1000 ml | 210 | 29/32 | 1 | |
| FLEG-2K0-001 | 2000 ml | 250 | 29/32 | 1 | |




## BOILING FLASK FLAT BOTTOM

Made of borosilicate glass LBG 3.3

| reference | capacity | Ø (mm) | $h_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BFF3-025-001 | 25 ml | 41 | 75 | 14/23 | 1 | |
| BFF3-050-001 | 50 ml | 53 | 88 | 14/23 | 1 | |
| BFF3-052-001 | 50 ml | 53 | 94 | 19/26 | 1 | |
| BFF3-100-001 | 100 ml | 65 | 100 | 14/23 | 1 | |
| BFF3-102-001 | 100 ml | 65 | 106 | 19/26 | 1 | |
| BFF3-103-001 | 100 ml | 65 | 109 | 24/29 | 1 | |
| BFF3-101-001 | 100 ml | 65 | 117 | 29/32 | 1 | |
| BFF3-252-001 | 250 ml | 88 | 134 | 19/26 | 1 | |
| BFF3-253-001 | 250 ml | 88 | 139 | 24/29 | 1 | |
| BFF3-250-001 | 250 ml | 88 | 145 | 29/32 | 1 | |
| BFF3-500-001 | 500 ml | 110 | 167 | 29/32 | 1 | |
| BFF3-1K0-001 | 1000 ml | 140 | 199 | 29/32 | 1 | |
| BFF3-2K0-001 | 2000 ml | 175 | 234 | 29/32 | 1 | |
| “Saving package” | | | | | | |
| BFF3-025-012 | 25 ml | 41 | 75 | 14/23 | 12 | |
| BFF3-050-012 | 50 ml | 53 | 88 | 14/23 | 12 | |
| BFF3-052-012 | 50 ml | 53 | 94 | 19/26 | 12 | |
| BFF3-100-012 | 100 ml | 65 | 100 | 14/23 | 12 | |
| BFF3-102-012 | 100 ml | 65 | 106 | 19/26 | 12 | |
| BFF3-103-012 | 100 ml | 65 | 109 | 24/29 | 12 | |
| BFF3-101-012 | 100 ml | 65 | 117 | 29/32 | 12 | |
| BFF3-252-010 | 250 ml | 88 | 134 | 19/26 | 10 | |
| BFF3-253-010 | 250 ml | 88 | 139 | 24/29 | 10 | |
| BFF3-250-010 | 250 ml | 88 | 145 | 29/32 | 10 | |
| BFF3-500-008 | 500 ml | 110 | 167 | 29/32 | 8 | |
| BFF3-1K0-006 | 1000 ml | 140 | 199 | 29/32 | 6 | |
| BFF3-2K0-002 | 2000 ml | 175 | 234 | 29/32 | 2 | |

## BOILING FLASK FLAT BOTTOM, GLASSCO

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN / ISO 4797 and USP standard

| reference | capacity | Ø outer (mm) | h total (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BFFG-101-001 | 100 ml | 64 | 105 | 29/32 | 1 | |
| BFFG-250-001 | 250 ml | 85 | 130 | 29/32 | 1 | |
| BFFG-500-001 | 500 ml | 105 | 160 | 29/32 | 1 | |
| BFFG-1K0-001 | 1000 ml | 131 | 187 | 29/32 | 1 | |
| BFFG-2K0-001 | 2000 ml | 166 | 230 | 29/32 | 1 | |
| "Saving package" | | | | | | |
| BFFG-101-010 | 100 ml | 64 | 105 | 29/32 | 10 | |
| BFFG-250-010 | 250 ml | 85 | 130 | 29/32 | 10 | |
| BFFG-500-010 | 500 ml | 105 | 160 | 29/32 | 10 | |
| BFFG-1K0-010 | 1000 ml | 131 | 187 | 29/32 | 10 | |
| BFFG-2K0-006 | 2000 ml | 166 | 230 | 29/32 | 6 | |




## KJELDAHL FLASK, STANDARD GROUND MOUTH

Made of borosilicate glass LBG 3.3

| reference | capacity | Ø bulb (mm) | h total (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| NFK3-500-002 | 500 ml | 107 | 310 | 29/32 | 2 | |
| NFK3-1K0-001 | 1000 ml | 130 | 370 | 29/32 | 1 | |



## FLASK, PEAR SHAPE, STANDARD GROUND MOUTH

Made of borosilicate glass LBG 3.3

| reference | capacity | Ø (mm) | h total (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FLP3-010-001 | 10 ml | 30 | 79 | 14/23 | 1 | |
| FLP3-025-001 | 25 ml | 40 | 93 | 14/23 | 1 | |
| FLP3-050-001 | 50 ml | 50 | 108 | 14/23 | 1 | |
| FLP3-100-001 | 100 ml | 60 | 118 | 14/23 | 1 | |




## FLASK, ROUND BOTTOM WITH TWO NECKS

Made of borosilicate glass LBG 3.3

| reference | capacity | Ø (mm) | h total (mm) | central joint ST/NS | side joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BF23-250-001 | 250 ml | 88 | 145 | 29/32 | 14/23 | 1 | |
| BF23-252-001 | 250 ml | 88 | 145 | 29/32 | 19/26 | 1 | |
| BF23-254-001 | 250 ml | 88 | 145 | 19/26 | 19/26 | 1 | |
| BF23-253-001 | 250 ml | 88 | 145 | 24/29 | 19/26 | 1 | |
| BF23-500-001 | 500 ml | 110 | 167 | 29/32 | 14/23 | 1 | |
| BF23-502-001 | 500 ml | 110 | 167 | 29/32 | 19/26 | 1 | |
| BF23-1K0-001 | 1000 ml | 140 | 200 | 29/32 | 14/23 | 1 | |
| BF23-1K2-001 | 1000 ml | 140 | 200 | 29/32 | 19/26 | 1 | |



## LBG FLASK, ROUND BOTTOM WITH THREE NECKS (PARALLEL)

Made of borosilicate glass LBG 3.3




| reference | capacity | Ø (mm) | $h_{total}$ (mm) | central joint ST/NS | side joints ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BFS3-100-001 | 100 ml | 64 | 105 | 24/29 | 19/26 | 1 | |
| BFS3-102-001 | 100 ml | 64 | 105 | 24/29 | 14/23 | 1 | |
| BFS3-250-001 | 250 ml | 88 | 145 | 29/32 | 14/23 | 1 | |
| BFS3-252-001 | 250 ml | 88 | 145 | 29/32 | 19/26 | 1 | |
| BFS3-500-001 | 500 ml | 110 | 167 | 29/32 | 14/23 | 1 | |
| BFS3-502-001 | 500 ml | 110 | 167 | 29/32 | 19/26 | 1 | |
| BFS3-1K0-001 | 1000 ml | 140 | 200 | 29/32 | 29/32 | 1 | |
| BFS3-1K2-001 | 1000 ml | 140 | 200 | 29/32 | 19/26 | 1 | |

## LBG FLASK, ROUND BOTTOM WITH THREE NECKS (SIDE ANGLE)

Made of borosilicate glass LBG 3.3




| reference | capacity | Ø (mm) | $h_{total}$ (mm) | central joint ST/NS | side joints ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BFO3-100-001 | 100 ml | 64 | 105 | 29/32 | 14/23 | 1 | |
| BFO3-103-001 | 100 ml | 64 | 105 | 24/29 | 19/26 | 1 | |
| BFO3-105-001 | 100 ml | 64 | 105 | 19/26 | 14/23 | 1 | |
| BFO3-250-001 | 250 ml | 88 | 145 | 29/32 | 14/23 | 1 | |
| BFO3-252-001 | 250 ml | 88 | 145 | 29/32 | 19/26 | 1 | |
| BFO3-253-001 | 250 ml | 88 | 145 | 24/29 | 19/26 | 1 | |
| BFO3-254-001 | 250 ml | 88 | 145 | 19/26 | 19/26 | 1 | |
| BFO3-500-001 | 500 ml | 110 | 167 | 29/32 | 14/23 | 1 | |
| BFO3-502-001 | 500 ml | 110 | 167 | 29/32 | 19/26 | 1 | |
| BFO3-1K0-001 | 1000 ml | 140 | 200 | 29/32 | 14/23 | 1 | |
| BFO3-1K1-001 | 1000 ml | 140 | 200 | 29/32 | 29/32 | 1 | |
| BFO3-1K2-001 | 1000 ml | 140 | 200 | 29/32 | 19/26 | 1 | |

## LBG FLASK, ROUND BOTTOM WITH FOUR NECKS (SIDE ANGLE)

Made of borosilicate glass 3.3




| reference | capacity | Ø (mm) | $h_{total}$ (mm) | central joint ST/NS | side joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BFO4-250-001 | 250 ml | 85 | 140 | 29/32 | 14/23 | 1 | |
| BFO4-252-001 | 250 ml | 85 | 140 | 29/32 | 19/26 | 1 | |
| BFO4-500-001 | 500 ml | 105 | 163 | 29/32 | 14/23 | 1 | |
| BFO4-502-001 | 500 ml | 105 | 163 | 29/32 | 19/26 | 1 | |
| BFO4-1K0-001 | 1000 ml | 131 | 200 | 29/32 | 19/26 | 1 | |
| BFO4-1K2-001 | 1000 ml | 131 | 200 | 29/32 | 29/32 | 1 | |

## FLASK, ERLENMEYER, STANDARD GROUND MOUTH

Made of borosilicate glass LBG 3.3

LBG

121°




| reference | capacity | Ø (mm) | $h_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CFL3-005-001 | 5 ml | 25 | 50 | 14/23 | 1 | |
| CFL3-010-001 | 10 ml | 32 | 60 | 14/23 | 1 | |
| CFL3-025-001 | 25 ml | 42 | 70 | 14/23 | 1 | |
| CFL3-050-001 | 50 ml | 51 | 85 | 14/23 | 1 | |
| CFL3-052-001 | 50 ml | 51 | 85 | 19/26 | 1 | |
| CFL3-100-001 | 100 ml | 64 | 105 | 14/23 | 1 | |
| CFL3-102-001 | 100 ml | 64 | 105 | 19/26 | 1 | |
| CFL3-103-001 | 100 ml | 64 | 105 | 24/29 | 1 | |
| CFL3-101-001 | 100 ml | 64 | 105 | 29/32 | 1 | |
| CFL3-252-001 | 250 ml | 85 | 135 | 19/26 | 1 | |
| CFL3-251-001 | 250 ml | 85 | 135 | 24/29 | 1 | |
| CFL3-250-001 | 250 ml | 85 | 128 | 29/32 | 1 | |
| CFL3-503-001 | 500 ml | 105 | 170 | 24/29 | 1 | |
| CFL3-500-001 | 500 ml | 105 | 165 | 29/32 | 1 | |
| CFL3-1K3-001 | 1000 ml | 131 | 210 | 24/29 | 1 | |
| CFL3-1K0-001 | 1000 ml | 131 | 210 | 29/32 | 1 | |
| CFL3-2K0-001 | 2000 ml | 166 | 275 | 29/32 | 1 | |
| “Saving package” | | | | | | |
| CFL3-005-012 | 5 ml | 25 | 50 | 14/23 | 12 | |
| CFL3-010-012 | 10 ml | 32 | 60 | 14/23 | 12 | |
| CFL3-025-012 | 25 ml | 42 | 70 | 14/23 | 12 | |
| CFL3-050-012 | 50 ml | 51 | 85 | 14/23 | 12 | |
| CFL3-052-012 | 50 ml | 51 | 85 | 19/26 | 12 | |
| CFL3-100-012 | 100 ml | 64 | 105 | 14/23 | 12 | |
| CFL3-102-012 | 100 ml | 64 | 105 | 19/26 | 12 | |
| CFL3-103-012 | 100 ml | 64 | 105 | 24/29 | 12 | |
| CFL3-101-012 | 100 ml | 64 | 105 | 29/32 | 12 | |
| CFL3-252-010 | 250 ml | 85 | 135 | 19/26 | 10 | |
| CFL3-251-010 | 250 ml | 85 | 135 | 24/29 | 10 | |
| CFL3-250-010 | 250 ml | 85 | 128 | 29/32 | 10 | |
| CFL3-503-008 | 500 ml | 105 | 170 | 24/29 | 8 | |
| CFL3-500-008 | 500 ml | 105 | 165 | 29/32 | 8 | |
| CFL3-1K3-006 | 1000 ml | 131 | 210 | 24/29 | 6 | |
| CFL3-1K0-006 | 1000 ml | 131 | 210 | 29/32 | 6 | |
| CFL3-2K0-002 | 2000 ml | 166 | 275 | 29/32 | 2 | |

To prevent leakage during use and to facilitate separation of the ground joints, lubricate the ground surfaces with non-toxic silicone laboratory grease. Apply a thin layer of grease around the top of the joint.
Although silicone grease is widely used for this purpose, you should always consider compatibility in the particular conditions of use.
You can also insert a flexible PTFE gasket between the two frosted parts to be connected.



## FLASK, ERLENMEYER, STANDARD GROUND MOUTH, GLASSCO

Made of 3.3 borosilicate glass (upper grade). In compliance with ISO 4797 standard

| reference | capacity | Ø (mm) | $h_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CFLG-102-001 | 100 ml | 64 | 100 | 19/26 | 1 | |
| CFLG-103-001 | 100 ml | 64 | 100 | 24/29 | 1 | |
| CFLG-101-001 | 100 ml | 64 | 100 | 29/32 | 1 | |
| CFLG-252-001 | 250 ml | 85 | 140 | 19/26 | 1 | |
| CFLG-251-001 | 250 ml | 85 | 140 | 24/29 | 1 | |
| CFLG-250-001 | 250 ml | 85 | 140 | 29/32 | 1 | |
| CFLG-503-001 | 500 ml | 105 | 175 | 24/29 | 1 | |
| CFLG-500-001 | 500 ml | 105 | 175 | 29/32 | 1 | |
| CFLG-1K0-001 | 1000 ml | 131 | 220 | 29/32 | 1 | |
| CFLG-2K0-001 | 2000 ml | 166 | 270 | 29/32 | 1 | |
| “Saving package” | | | | | | |
| CFLG-102-010 | 100 ml | 64 | 100 | 19/26 | 10 | |
| CFLG-103-010 | 100 ml | 64 | 100 | 24/29 | 10 | |
| CFLG-101-010 | 100 ml | 64 | 100 | 29/32 | 10 | |
| CFLG-252-010 | 250 ml | 85 | 140 | 19/26 | 10 | |
| CFLG-251-010 | 250 ml | 85 | 140 | 24/29 | 10 | |
| CFLG-250-010 | 250 ml | 85 | 140 | 29/32 | 10 | |
| CFLG-503-010 | 500 ml | 105 | 175 | 24/29 | 10 | |
| CFLG-500-010 | 500 ml | 105 | 175 | 29/32 | 10 | |
| CFLG-1K0-010 | 1000 ml | 131 | 220 | 29/32 | 10 | |
| CFLG-2K0-006 | 2000 ml | 166 | 270 | 29/32 | 6 | |



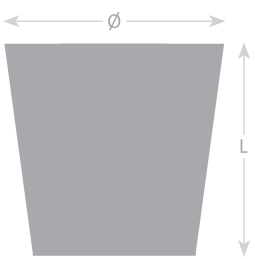
## GAS WASHING BOTTLE, DRECHSEL, GLASSCO

Made of borosilicate glass 3.3. The complete set includes a body and a head. For tubes of 8 mm internal diameter (not included). According to DIN 12596

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| GWS3-250-001 | complete set 250 ml, 29/32 | 1 | |
| GWB3-250-001 | body 250 ml, 29/32 | 1 | |
| GWH3-250-001 | head for 250 ml body, 29/32, Øtubing 8 mm | 1 | |
| GWS3-500-001 | complete set 500 ml, 29/32 | 1 | |
| GWB3-500-001 | body 500 ml, 29/32 | 1 | |
| GWH3-500-001 | head for 500 ml body, 29/32, Øtubing 8 mm | 1 | |

### GROUND JOINTS

Ground glass seals or joints are used in the laboratory to connect different pieces of glass to each other in a leak-proof manner or as an adjustment mode in glass stoppers. They can be of two types, male or female. They have a 1:10 conical shape (10% taper) and are designed according to the following measurements:
Ø - Diameter of the widest end of the frosted zone (mm)
L - Length of the frosted area (mm)
The measures that Labbox supplies follow the European standard ISO with common union sizes like: 10/19, 14/23, 19/26, 24/29, 29/32 and 45/40.



## CONDENSER, STRAIGHT SHAPE (LIEBIG-WEST)

LBG

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing Øinner 8 mm

| reference | $l_{useable}$ (mm) | $l_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CSS3-080-002 | 80 | 175 | 14/23 | 2 | |
| CSS3-150-002 | 150 | 254 | 14/23 | 2 | |
| CSS3-200-002 | 200 | 305 | 14/23 | 2 | |
| CSS3-201-002 | 200 | 360 | 29/32 | 2 | |
| CSS3-202-002 | 200 | 360 | 19/26 | 2 | |
| CSS3-203-002 | 200 | 360 | 24/29 | 2 | |
| CSS3-300-002 | 300 | 460 | 29/32 | 2 | |
| CSS3-400-002 | 400 | 560 | 29/32 | 2 | |
| CSS3-500-001 | 500 | 660 | 29/32 | 1 | |
| CSS3-600-001 | 600 | 760 | 29/32 | 1 | |



## CONDENSER, STRAIGHT SHAPE (LIEBIG-WEST), GLASSCO

GLASSCO NEW

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN 12576 standard. Hose connector is designed for tubing Øinner 8 mm

| reference | $l_{useable}$ (mm) | $l_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CSSG-151-001 | 150 | 248 | 14/23 | 1 | |
| CSSG-160-001 | 160 | 265 | 14/23 | 1 | |
| CSSG-202-001 | 200 | 320 | 19/26 | 1 | |
| CSSG-250-001 | 250 | 385 | 29/32 | 1 | |
| CSSG-300-001 | 300 | 445 | 29/32 | 1 | |
| CSSG-400-001 | 400 | 530 | 29/32 | 1 | |



## CONDENSER WITH BULBED INNER TUBE (ALLIHN)

LBG

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing Øinner 8 mm

| reference | $l_{useable}$ (mm) | $l_{total}$ (mm) | bulb quantity | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| ALC3-150-002 | 150 | 235 | 4 | 14/23 | 2 | |
| ALC3-200-002 | 200 | 295 | 4 | 14/23 | 2 | |
| ALC3-201-002 | 200 | 360 | 4 | 29/32 | 2 | |
| ALC3-300-002 | 300 | 405 | 6 | 14/23 | 2 | |
| ALC3-301-002 | 300 | 460 | 6 | 29/32 | 2 | |
| ALC3-400-002 | 400 | 560 | 8 | 29/32 | 2 | |
| ALC3-500-001 | 500 | 660 | 10 | 29/32 | 1 | |
| ALC3-600-001 | 600 | 760 | 12 | 29/32 | 1 | |





## CONDENSER WITH BULBED INNER TUBE (ALLIHN), GLASSCO

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN 12581 standard. Hose connector is designed for tubing Øinner 8 mm

| reference | $l_{useable}$ (mm) | $l_{total}$ (mm) | bulb quantity | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| ALCG-250-001 | 250 | 410 | 5 | 29/32 | 1 | |
| ALCG-300-001 | 300 | 455 | 6 | 29/32 | 1 | |
| ALCG-400-001 | 400 | 565 | 8 | 29/32 | 1 | |



## GRAHAM CONDENSER (INLAND REVENUE)

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing Øinner 8 mm

| reference | $l_{useable}$ (mm) | $l_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CIC3-150-002 | 150 | 235 | 14/23 | 2 | |
| CIC3-200-002 | 200 | 295 | 14/23 | 2 | |
| CIC3-300-002 | 300 | 460 | 29/32 | 2 | |
| CIC3-400-002 | 400 | 560 | 29/32 | 2 | |
| CIC3-500-001 | 500 | 660 | 29/32 | 1 | |
| CIC3-600-001 | 600 | 760 | 29/32 | 1 | |



## GRAHAM CONDENSER (INLAND REVENUE), GLASSCO

Made of 3.3 borosilicate glass (upper grade). Hose connector is designed for tubing Øinner 8 mm

| reference | $l_{useable}$ (mm) | $l_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CICG-250-001 | 250 | 365 | 14/23 | 1 | |
| CICG-300-001 | 300 | 440 | 29/32 | 1 | |
| CICG-400-001 | 400 | 545 | 29/32 | 1 | |
| CICG-500-001 | 500 | 630 | 29/32 | 1 | |



## DIMROTH CONDENSER

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing Øinner 8 mm

| reference | $l_{useable}$ (mm) | $l_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| DRO3-150-001 | 150 | 235 | 14/23 | 1 | |
| DRO3-200-001 | 200 | 295 | 14/23 | 1 | |
| DRO3-201-001 | 200 | 360 | 29/32 | 1 | |
| DRO3-300-001 | 300 | 460 | 29/32 | 1 | |
| DRO3-400-001 | 400 | 560 | 29/32 | 1 | |
| DRO3-500-001 | 500 | 660 | 29/32 | 1 | |

## DIMROTH CONDENSER WITH PTFE SCREWTHREAD CONNECTORS

LBG

Made of borosilicate glass LBG 3.3. Hose connector is GL 14 PTFE threaded and is designed for tubing Øinner 8 mm

| reference | $l_{useable}$ (mm) | $l_{total}$ (mm) | mouth | description | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DROT-200-001 | 200 | 295 | 14/23 | Dimroth | 1 | |
| DROT-300-001 | 300 | 460 | 29/32 | Dimroth | 1 | |
| DROT-400-001 | 400 | 560 | 29/32 | Dimroth | 1 | |
| Spare parts | | | | | | |
| DROT-A01-001 | - | - | - | PTFE screwthread connector | 1 | |



## FRACTIONATING COLUMN, VIGREUX

LBG

Made of borosilicate glass LBG 3.3. Without sleeve

| reference | $h_{total}$ (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|
| VIG3-360-001 | 360 | 29/32 | 1 | |



## CONNECTION TUBE WITH TWO PARALLEL NECKS

LBG

121°

Made of borosilicate glass LBG 3.3

| reference | central joint ST/NS | side joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CON3-001-001 | 14/23 | 14/23 | 1 | |
| CON3-002-001 | 29/32 | 29/32 | 1 | |



## DISTILLING HEAD

LBG

121°

Made of borosilicate glass LBG 3.3

| reference | ground (a) | ground (b) | ground (c) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| DIH3-001-001 | 14/23 | 14/23 | 14/23 | 1 | |
| DIH3-002-001 | 14/23 | 29/32 | 29/32 | 1 | |
| DIH3-003-001 | 29/32 | 29/32 | 29/32 | 1 | |




## DOUBLE ANGLED ADAPTER, MALE

Glassco

121°

Made of borosilicate glass LBG 3.3. Used in distillation assembly

| reference | joint ST/NS | $l_{total}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| AD23-001-001 | 14/23 | 250 | 1 | |
| AD23-002-001 | 29/32 | 250 | 1 | |



## KJELDAHL BULB, STANDARD GROUND MOUTH

LBG

121°

Made of borosilicate glass LBG 3.3

| reference | capacity | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SPB3-001-001 | 250 ml | 29/32 | 1 | |






## LBG RECEIVER ADAPTER, PLAIN, BENT AT 105º

Made of borosilicate glass LBG 3.3

| reference | l (mm) | mouth | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ADA3-001-001 | 120 | 14/23 | 1 | |
| ADA3-002-001 | 150 | 29/32 | 1 | |

## LBG RECEIVER ADAPTER, BENT AT 105°, WITH LATERAL HOSE

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing Øinner 6 mm

| reference | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|
| REC3-001-001 | 14/23 | 1 | |
| REC3-002-001 | 29/32 | 1 | |




## LBG RECEIVER ADAPTER, BENT AT 105°, WITH INTERNAL TUBE AND LATERAL HOSE

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing Øinner 6 mm

| reference | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|
| RET3-001-001 | 14/23 | 1 | |
| RET3-004-001 | 19/26 | 1 | |
| RET3-003-001 | 24/29 | 1 | |
| RET3-002-001 | 29/32 | 1 | |




## LBG REDUCTION AND EXPANSION ADAPTERS

Made of borosilicate glass LBG 3.3

| reference | socket size (female) | cone size (male) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| EXA3-002-001 | 14/23 | 19/26 | 1 | |
| EXA3-003-001 | 14/23 | 24/29 | 1 | |
| EXA3-001-001 | 14/23 | 29/32 | 1 | |
| EXA3-004-001 | 19/26 | 24/29 | 1 | |
| EXA3-005-001 | 19/26 | 29/32 | 1 | |
| EXA3-006-001 | 24/29 | 29/32 | 1 | |
| REA3-002-001 | 19/26 | 14/23 | 1 | |
| REA3-003-001 | 24/29 | 14/23 | 1 | |
| REA3-004-001 | 24/29 | 19/26 | 1 | |
| REA3-001-001 | 29/32 | 14/23 | 1 | |
| REA3-005-001 | 29/32 | 19/26 | 1 | |
| REA3-006-001 | 29/32 | 24/29 | 1 | |




## LBG SUCTION ADAPTER

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing Øinner 6 mm

| reference | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|
| SUC3-001-001 | 14/23 | 1 | |
| SUC3-002-001 | 29/32 | 1 | |

## JOINTED ADAPTER (MALE) WITH PTFE KEY STOPCOCK

Made of borosilicate glass LBG 3.3. 9 mm hose connector for 8 mm Øint tubing. Angled or straight

| reference | joint ST/NS | description | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ADFL-001-001 | 14/23 | angled connection | 1 | |
| ADFL-002-001 | 19/26 | angled connection | 1 | |
| ADFL-003-001 | 24/29 | angled connection | 1 | |
| ADFL-004-001 | 29/32 | angled connection | 1 | |
| ADFL-005-001 | 14/23 | straight connection | 1 | |
| ADFL-006-001 | 19/26 | straight connection | 1 | |
| ADFL-007-001 | 24/29 | straight connection | 1 | |
| ADFL-008-001 | 29/32 | straight connection | 1 | |



## DISTILLING BEND, 75° BENT

Made of borosilicate glass LBG 3.3

| reference | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|
| DHE3-001-001 | 14/23 | 1 | |
| DHE3-002-001 | 29/32 | 1 | |



## PLASTIC STOPPER, CONICAL, WITH TUBING CONNECTION

Made of polypropylene. Includes two hose-adapters for Ø 8 mm tubing

| reference | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|
| STCP-001-001 | 29/32 | 1 | |



## HOLLOW STOPPER, STANDARD GROUND MOUTH

Made of borosilicate glass LBG 3.3

| reference | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|
| STO3-001-001 | 14/23 | 1 | |
| STO3-002-001 | 29/32 | 1 | |



## STOPPER, HEXAGONAL HEAD

Made of borosilicate glass LBG 3.3. Conical bottom

| reference | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|
| STP3-003-001 | 10/19 | 1 | |
| STP3-001-001 | 14/23 | 1 | |
| STP3-019-001 | 19/26 | 1 | |
| STP3-024-001 | 24/29 | 1 | |
| STP3-002-001 | 29/32 | 1 | |





## PLASTIC STOPPER FOR STANDARD GROUND MOUTH

Made of polypropylene. Hollow. Autoclavable

| reference | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|
| STOP-014-010 | 14/23 | 10 | |
| STOP-019-010 | 19/26 | 10 | |
| STOP-024-010 | 24/29 | 10 | |
| STOP-029-010 | 29/32 | 10 | |



## FLAT HEAD STOPPER, PTFE

Leak proof. Can be used up to 270 °C

| reference | joint ST/NS | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| FHSP-119-001 | 10/19 | 31 | 1 | |
| FHSP-123-001 | 14/23 | 34 | 1 | |
| FHSP-126-001 | 19/26 | 38 | 1 | |
| FHSP-229-001 | 24/29 | 44 | 1 | |
| FHSP-232-001 | 29/32 | 47 | 1 | |




## CONNECTION PIECE, CONE ANGLE 90º

Made of borosilicate glass LBG 3.3. Hose connector is designed for tubing Øinner 6 mm

| reference | joint ST/NS | $Ø_{side}$ hose (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ADS3-001-001 | 14/23 | 9 | 1 | |
| ADS3-003-001 | 19/26 | 9 | 1 | |
| ADS3-004-001 | 24/29 | 9 | 1 | |
| ADS3-002-001 | 29/32 | 9 | 1 | |




## DRYING TUBE, OBLIQUE SHAPE

Made of borosilicate glass LBG 3.3

| reference | h (mm) | $h_{total}$ (mm) | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| DRY3-001-001 | 90 | 120 | 14/23 | 1 | |
| DRY3-003-001 | 90 | 120 | 19/26 | 1 | |
| DRY3-004-001 | 90 | 120 | 24/29 | 1 | |
| DRY3-002-001 | 90 | 120 | 29/32 | 1 | |



## FUNNEL, STANDARD GROUND MOUTH

Made of borosilicate glass LBG 3.3

| reference | $Ø_{top}$ (mm) | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|
| FUN3-040-001 | 40 | 14/23 | 1 | |
| FUN3-060-001 | 60 | 14/23 | 1 | |

## PRESSURE EQUALIZING DROPPING FUNNEL, CYLINDRICAL, WITH PTFE STOPCOCK

Made of top quality 3.3 borosilicate glass. Plastic stopper included

| reference | capacity | socket size (female) | cone size (male) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| FTP3-050-001 | 50 ml | 14/23 | 14/23 | 1 | |
| FTP3-100-001 | 100 ml | 14/23 | 14/23 | 1 | |
| FTP3-102-001 | 100 ml | 19/26 | 19/26 | 1 | |
| FTP3-103-001 | 100 ml | 29/32 | 29/32 | 1 | |
| FTP3-250-001 | 250 ml | 29/32 | 29/32 | 1 | |
| FTP3-500-001 | 500 ml | 29/32 | 29/32 | 1 | |



## DROPPING FUNNEL, CYLINDRICAL, STANDARD GROUND MOUTH, WITH PTFE STOPCOCK

Made of top quality 3.3 borosilicate glass. Plastic stopper included

| reference | capacity | socket size (female) | cone size (male) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| FTY3-050-001 | 50 ml | 14/23 | 14/23 | 1 | |
| FTY3-100-001 | 100 ml | 14/23 | 14/23 | 1 | |
| FTY3-102-001 | 100 ml | 19/26 | 19/26 | 1 | |
| FTY3-103-001 | 100 ml | 29/32 | 29/32 | 1 | |
| FTY3-250-001 | 250 ml | 29/32 | 29/32 | 1 | |
| FTY3-500-001 | 500 ml | 29/32 | 29/32 | 1 | |
| FTY3-1K0-001 | 1000 ml | 29/32 | 29/32 | 1 | |



## GLASS PROBE/THERMOMETER HOLDER

Made of top quality 3.3 borosilicate glass

| reference | joint ST/NS | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TPH3-006-001 | 14/23 | for Ø 6-7 mm thermometers | 1 | |
| TPH3-004-001 | 19/26 | for Ø 6-7 mm thermometers | 1 | |
| TPH3-007-001 | 29/32 | for Ø 6-7 mm thermometers | 1 | |




## PTFE PROBE/THERMOMETER HOLDER

Made of pure PTFE. Fully adjustable with replacement Viton seal

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TPHT-006-001 | 14/23, for Ø 6 mm thermometers | 1 | |
| TPHT-008-001 | 14/23, for Ø 8 mm thermometers | 1 | |
| Spare parts | | | |
| TPHT-S06-005 | spare joints for TPHT-006-001 | 5 | |
| TPHT-S08-005 | spare joints for TPHT-008-001 | 5 | |



astiK's

## CONICAL HEAD CLIP, PLASTIC

Manufactured in POM (Polyoxymethylene). Will not scratch glass surfaces



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| CHCP-014-010 | orange, for 14/23 joints | 10 | |
| CHCP-019-010 | blue, for 19/26 joints | 10 | |
| CHCP-024-010 | green, for 24/29 joints | 10 | |
| CHCP-029-010 | red, for 29/32 joints | 10 | |

astiK's

## CONICAL HEAD CLIP, PTFE

121°

Manufactured from pure PTFE with totally encapsulated steel springs. Chemically inert. Usable up to 280 °C



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| CHPT-010-001 | for 10/19 joints | 1 | |
| CHPT-014-001 | for 14/23 joints | 1 | |
| CHPT-019-001 | for 19/26 joints | 1 | |
| CHPT-024-001 | for 24/29 joints | 1 | |
| CHPT-029-001 | for 29/32 joints | 1 | |

clink

## CONICAL HEAD CLIP, STEEL

121°

Traditional clips made of steel wire



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| CHCS-014-010 | for 14/23 joints | 10 | |
| CHCS-019-010 | for 19/26 joints | 10 | |
| CHCS-024-010 | for 24/29 joints | 10 | |
| CHCS-029-010 | for 29/32 joints | 10 | |

labkem

## SILICONE GREASE FOR GROUND GLASS JOINTS, LBsil 25

Silicone grease for the lubrication of ground glass joints, desiccators lids or glass stopcocks. Temperature range from -50 to 180 °C. LBSil 25 shows an excellent lubrication power and good resistance to cold and hot water, and to chemical agents




| reference | type | package | price/ pack |
|---|---|---|---|
| SGRE-025-100 | LBSil 25 | 100 g | |

astiK's

## FLEXIBLE PTFE SLEEVES FOR GLASS JOINTS

121°

Eliminate the use of grease. Withstands low to medium vacuum. Usable at up to 280 °C



| reference | mouth | pcs/ pack | price/ pack |
|---|---|---|---|
| PTST-014-010 | 14/23 | 10 | |
| PTST-019-010 | 19/26 | 10 | |
| PTST-024-010 | 24/29 | 10 | |
| PTST-029-010 | 29/32 | 10 | |

## SIMPLE DISTILLATION EQUIPMENT SET

Made of top quality 3.3 borosilicate glass. This equipment is composed of 1 Liebig West, straight-shape condenser 250 mm, 1 round bottom flask of 250 ml, 1 bent connecting adapter with thermometer adapter, 1 bent distillation adapter, 1 thermometer (-10 to +110 °C) and all POM clips for 29/32 ground joints. Hose connector is designed for tubing Øinner 8 mm



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| APP3-001-001 | simple distillation kit | 1 | |

## FRACTIONAL DISTILLATION EQUIPMENT SET (WITH VIGREUX COLUMN)

Made of top quality 3.3 borosilicate glass. This equipment is composed of 1 Vigreux column of 320 mm, 1 Liebig West, straight-shape condenser of 250 mm, 1 round bottom flask of 250 ml, 1 bent connecting adapter with thermometer adapter, 1 bent distillation adapter, 1 thermometer (-10 to +110 °C) and all POM clips for 29/32 ground joints. Hose connector is designed for tubing Øinner 8 mm



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| APP3-002-001 | fractional distillation kit | 1 | |

## ORGANIC CHEMISTRY SET WITH 5 COMPONENTS

Made of top quality 3.3 borosilicate glass. This equipment is composed of 1 pear-shaped flask of 50 mL, 1 distilling head, 1 Liebig-West, straight-shape condenser, 1 adapter with screw cap, and 1 receiver adapter. All ground joints are 14/23



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CHKG-001-001 | Organic Chemistry set with 5 components | 1 | |

## ORGANIC CHEMISTRY SET WITH 9 COMPONENTS

Made of top quality 3.3 borosilicate glass. This equipment is composed of 1 pear-shaped flask of 50 mL, 1 distilling head, 1 Liebig-West, straight-shape condenser, 1 receiver adapter bent at 105°, 1 glass thermometer holder, 1 steam inlet tube, 1 dropping funnel, 1 glass stopper, and 1 thermometer. All ground joints are 14/23



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CHKG-002-001 | Organic Chemistry set with 9 components | 1 | |

## ORGANIC CHEMISTRY SET WITH 16 COMPONENTS

Made of top quality 3.3 borosilicate glass. Includes 1 distilling head, 1 receiver adapter, bent at 105°, with lateral hose, 1 steam inlet tube, 1 Liebig-West, straight-shape condenser, 1 dropping funnel, 1 reduction adapter, 1 multiple adapter, 3 round bottom flasks of 50 ml, 100 ml and 250 ml, 1 Erlenmeyer flask of 250 ml, 3 glass stoppers, 1 thermometer holder and 1 receiver adapter bent at 105°



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CHKG-003-001 | Organic Chemistry set with 16 components | 1 | |

BRANCHIA *by* PRAT DUMAS

## QUALITATIVE FILTER PAPER FOR GENERAL USE, MEDIUM FLOW RATE

Maximum ash content 0.10%. Vellum paper used for general laboratory filtration. Surface weight 65 g/m², pore 7 -10 µm, thickness 170 µm. Available in flat disks (packed in foiled bags of 100 disks, with no carton box), or folded (in a carton box). Equivalent to: Whatman 93



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| QLPG-070-100 | 70 | disk | 100 | |
| QLPG-090-100 | 90 | disk | 100 | |
| QLPG-110-100 | 110 | disk | 100 | |
| QLPG-125-100 | 125 | disk | 100 | |
| QLPG-150-100 | 150 | disk | 100 | |
| QLPG-185-100 | 185 | disk | 100 | |
| QLPG-240-100 | 240 | disk | 100 | |
| QLPG-111-100 | 110 | folded | 100 | |
| QLPG-126-100 | 125 | folded | 100 | |
| QLPG-151-100 | 150 | folded | 100 | |
| QLPG-186-100 | 185 | folded | 100 | |
| QLPG-201-100 | 200 | folded | 100 | |
| QLPG-241-100 | 240 | folded | 100 | |
| QLPG-251-100 | 250 | folded | 100 | |
| QLPG-401-100 | 400 | folded | 100 | |

BRANCHIA *by* PRAT DUMAS

## QUALITATIVE FILTER PAPER FOR GENERAL USE, VERY FAST FLOW RATE

Maximum ash content 0.06%. Paper consisted of long cotton fibers for thick and sticky liquids filtration. Thick and very resistant paper, offering the fastest flow among qualitative filters. Surface weight 130 g/m², pore 25- 30 µm, thickness 430 µm. Available in flat disks and folded. Equivalent to: Whatman 114





| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| QLPV-070-100 | 70 | disk | 100 | |
| QLPV-090-100 | 90 | disk | 100 | |
| QLPV-110-100 | 110 | disk | 100 | |
| QLPV-125-100 | 125 | disk | 100 | |
| QLPV-150-100 | 150 | disk | 100 | |
| QLPV-185-100 | 185 | disk | 100 | |
| QLPV-240-100 | 240 | disk | 100 | |
| QLPV-111-100 | 110 | folded | 100 | |
| QLPV-126-100 | 125 | folded | 100 | |
| QLPV-151-100 | 150 | folded | 100 | |
| QLPV-186-100 | 185 | folded | 100 | |
| QLPV-201-100 | 200 | folded | 100 | |
| QLPV-241-100 | 240 | folded | 100 | |
| QLPV-251-100 | 250 | folded | 100 | |

## QUALITATIVE FILTER PAPER, LOW ASH, SLOW FLOW RATE

BRANCHIA *by* PRAT DUMAS

Low ash content paper (max 0.06%) used for fine filtration of small particles precipitates. Surface weight 100 g/m², pore 2- 3 µm, thickness 200 µm. Available in flat disks and folded. Equivalent to: Whatman 5





| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| QLDS-070-100 | 70 | disk | 100 | |
| QLDS-090-100 | 90 | disk | 100 | |
| QLDS-110-100 | 110 | disk | 100 | |
| QLDS-125-100 | 125 | disk | 100 | |
| QLDS-150-100 | 150 | disk | 100 | |
| QLDS-185-100 | 185 | disk | 100 | |
| QLDS-240-100 | 240 | disk | 100 | |
| QLDS-111-100 | 110 | folded | 100 | |
| QLDS-126-100 | 125 | folded | 100 | |
| QLDS-151-100 | 150 | folded | 100 | |
| QLDS-201-100 | 200 | folded | 100 | |
| QLDS-251-100 | 250 | folded | 100 | |
| QLDS-401-100 | 400 | folded | 100 | |

## QUALITATIVE FILTER PAPER, LOW ASH, MEDIUM FLOW RATE

BRANCHIA *by* PRAT DUMAS

Superior Vellum paper made of pure cellulose and low ash (max 0.06%). General use in laboratory. Surface weight 85 g/m², pore 10- 12 µm, thickness 200 µm. Available in flat disks and folded. Equivalent to: Whatman 1





| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| QLDM-070-100 | 70 | disk | 100 | |
| QLDM-090-100 | 90 | disk | 100 | |
| QLDM-110-100 | 110 | disk | 100 | |
| QLDM-125-100 | 125 | disk | 100 | |
| QLDM-150-100 | 150 | disk | 100 | |
| QLDM-185-100 | 185 | disk | 100 | |
| QLDM-240-100 | 240 | disk | 100 | |
| QLDM-111-100 | 110 | folded | 100 | |
| QLDM-126-100 | 125 | folded | 100 | |
| QLDM-151-100 | 150 | folded | 100 | |
| QLDM-201-100 | 200 | folded | 100 | |
| QLDM-251-100 | 250 | folded | 100 | |
| QLDM-401-100 | 400 | folded | 100 | |



CRUCIBLES IN OUR CHAPTER “THERMOREGULATION, COMBUSTION AND CALCINATION”
We offer a wider variety of crucibles, of different shapes and materials, in our chapter on “Thermoregulation, combustion and calcination”, on pages 299 to 303.

BRANCHIA by PRAT DUMAS

## QUALITATIVE FILTER PAPER, LOW ASH, FAST FLOW RATE

Low ash paper (max 0.06%) made of cotton fibers, used for thick and sticky liquids filtration. Surface weight 85 g/m², pore 10- 12 µm, thickness 200 µm. Available in flat disks and folded. Equivalent to: Whatman 4





| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| QLDF-070-100 | 70 | disk | 100 | |
| QLDF-090-100 | 90 | disk | 100 | |
| QLDF-110-100 | 110 | disk | 100 | |
| QLDF-125-100 | 125 | disk | 100 | |
| QLDF-150-100 | 150 | disk | 100 | |
| QLDF-185-100 | 185 | disk | 100 | |
| QLDF-240-100 | 240 | disk | 100 | |
| QLDF-111-100 | 110 | folded | 100 | |
| QLDF-126-100 | 125 | folded | 100 | |
| QLDF-151-100 | 150 | folded | 100 | |
| QLDF-201-100 | 200 | folded | 100 | |
| QLDF-251-100 | 250 | folded | 100 | |
| QLDF-401-100 | 400 | folded | 100 | |

BRANCHIA by PRAT DUMAS

## ASHLESS QUANTITATIVE FILTER PAPER, SLOW FLOW RATE

Ash-free paper (max 0.002%) made exclusively of cellulose cotton fibers. Used for critical gravimetrical analysis. Surface weight 80 g/m², pore 7- 9 µm, thickness 290 µm. Available in flat disks. Equivalent to: Whatman 42



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| QNDS-070-100 | 70 | disk | 100 | |
| QNDS-090-100 | 90 | disk | 100 | |
| QNDS-110-100 | 110 | disk | 100 | |
| QNDS-125-100 | 125 | disk | 100 | |
| QNDS-150-100 | 150 | disk | 100 | |

BRANCHIA by PRAT DUMAS

## ASHLESS QUANTITATIVE FILTER PAPER, MEDIUM FLOW RATE

Ash-free paper (max 0.002%) made exclusively of cellulose cotton fibers. Used for routine gravimetrical analysis. Intermediate filter in terms of flow rate and retention. Surface weight 80 g/m², pore 8- 12 µm, thickness 180 µm. Available in flat disks. Equivalent to: Whatman 40



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| QNDM-070-100 | 70 | disk | 100 | |
| QNDM-090-100 | 90 | disk | 100 | |
| QNDM-110-100 | 110 | disk | 100 | |
| QNDM-125-100 | 125 | disk | 100 | |
| QNDM-150-100 | 150 | disk | 100 | |

## ASHLESS QUANTITATIVE FILTER PAPER, FAST FLOW RATE

BRANCHIA by PRAT DUMAS

Ash-free paper (max 0.002%) made exclusively of cellulose cotton fibers. Its quick flow rate makes it recommendable for large precipitates, such as iron hydroxide and other metal sulfates. Surface weight 80 g/m², pore 10- 15 µm, thickness 250 µm. Available in flat disks. Equivalent to: Whatman 43



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| QNDF-070-100 | 70 | disk | 100 | |
| QNDF-090-100 | 90 | disk | 100 | |
| QNDF-110-100 | 110 | disk | 100 | |
| QNDF-125-100 | 125 | disk | 100 | |
| QNDF-150-100 | 150 | disk | 100 | |

## HARDENED QUANTITATIVE FILTER PAPER, SLOW FLOW RATE

BRANCHIA by PRAT DUMAS

Hardened low ash paper (max 0.02%), as an intermediate solution between quantatitive ash free paper (max 0.002%) and qualitative paper low ash (max 0.06%) for non critical quantitative works. Recommended for thin precipitates, such as barium, lead, zinc or nickel sulfate, barium fluoride or barium hydroxide. High wet resistance. Surface weight 80 g/m², pore 7- 9 µm, thickness 290 µm. Available in flat disks (foiled bags of 100 disks, with no carton box), or folded (in a carton box). Equivalent to: Whatman 50





| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| QNHS-070-100 | 70 | disk | 100 | |
| QNHS-090-100 | 90 | disk | 100 | |
| QNHS-110-100 | 110 | disk | 100 | |
| QNHS-125-100 | 125 | disk | 100 | |
| QNHS-150-100 | 150 | disk | 100 | |
| QNHS-111-100 | 110 | folded | 100 | |
| QNHS-126-100 | 125 | folded | 100 | |
| QNHS-151-100 | 150 | folded | 100 | |

## FILTER PAPERS: SPECIFICATIONS COMPARISON TABLE

| Reference | Flow Rate | Pore Size | Thickness | Max. Ash Content | Type | Equivalence |
|---|---|---|---|---|---|---|
| QUALITATIVE | | | | | | |
| QLDS | Slow | 2 – 3 µm | 200 µm | 0,06% | Disk, folded | Whatman 5 |
| QLPG | Medium | 7 – 10 µm | 170 µm | 0,10% | Disk, folded | Whatman 93 |
| QLDM | Medium | 10 – 12 µm | 200 µm | 0,06% | Disk, folded | Whatman 1 |
| QLDF | Fast | 20 - 25 µm | 215 µm | 0,06% | Disk, folded | Whatman 4 |
| QLPV | Very fast | 25 – 30 µm | 430 µm | 0,06% | Disk, folded | Whatman 114 |
| QUANTITATIVE | | | | | | |
| QNDS | Slow | 7 – 9 µm | 290 µm | 0,002% | Disk | Whatman 42 |
| QNDM | Medium | 8 – 12 µm | 270 µm | 0,002% | Disk | Whatman 40 |
| QNDF | Fast | 10 – 15 µm | 250 µm | 0,002% | Disk | Whatman 43 |
| QUANTITATIVE, HARDENED | | | | | | |
| QNHS | Slow | 7 – 9 µm | 290 µm | 0,02% | Disk, folded | Whatman 50 |
| QNHM | Medium | 8 – 12 µm | 270 µm | 0,02% | Disk, folded | Whatman 52 |
| QNHF | Fast | 12 – 16 µm | 250 µm | 0,02% | Disk, folded | Whatman 54 |

BRANCHIA *by* PRAT DUMAS

## HARDENED QUANTITATIVE FILTER PAPER, MEDIUM FLOW RATE

Hardened low ash paper (max 0.02%), as an intermediate solution between quantatitive ash free paper (max 0.002%) and qualitative paper low ash (max 0.06%) for non critical quantitative works. Medium flow rate is the adequate for a general use, being the intermediate filter in terms of flow rate and retention. High wet resistance. Surface weight 80 g/m², pore 8- 12 µm, thickness 270 µm. Available in flat disks (foiled bags of 100 disks, with no carton box), or folded (in a carton box). Equivalent to: Whatman 52



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| QNHM-070-100 | 70 | disk | 100 | |
| QNHM-090-100 | 90 | disk | 100 | |
| QNHM-110-100 | 110 | disk | 100 | |
| QNHM-125-100 | 125 | disk | 100 | |
| QNHM-150-100 | 150 | disk | 100 | |
| QNHM-111-100 | 110 | folded | 100 | |
| QNHM-126-100 | 125 | folded | 100 | |
| QNHM-151-100 | 150 | folded | 100 | |

BRANCHIA *by* PRAT DUMAS

## HARDENED QUANTITATIVE FILTER PAPER, FAST FLOW RATE

Hardened low ash paper (max 0.02%), as an intermediate solution between quantatitive ash free paper (max 0.002%) and qualitative paper low ash (max 0.06%) for non critical quantitative works. Its flow rate makes it suitable for large precipitates, such as iron hydroxide and other metal sulfides. High wet resistance. Surface weight 80 g/m², pore 12- 16 µm, thickness 250 µm. Available in flat disks (foiled bags of 100 disks, with no carton box), or folded (in a carton box). Equivalent to: Whatman 54



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| QNHF-070-100 | 70 | disk | 100 | |
| QNHF-090-100 | 90 | disk | 100 | |
| QNHF-110-100 | 110 | disk | 100 | |
| QNHF-125-100 | 125 | disk | 100 | |
| QNHF-150-100 | 150 | disk | 100 | |
| QNHF-111-100 | 110 | folded | 100 | |
| QNHF-126-100 | 125 | folded | 100 | |
| QNHF-151-100 | 150 | folded | 100 | |

BRANCHIA *by* PRAT DUMAS

## PHASE SEPARATING PAPER

Hydrophobic paper for the fast separation of aqueous solutions from hydrofuge solvents. Useful with organic solvents heavier or lighter than water. Replaces separatory funnels in many applications. Available in flat disks. Equivalent: Whatman 1 PS



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| FASE-090-100 | 90 | disk | 100 | |
| FASE-110-100 | 110 | disk | 100 | |
| FASE-125-100 | 125 | disk | 100 | |
| FASE-150-100 | 150 | disk | 100 | |
| FASE-210-100 | 210 | disk | 100 | |

## CROSS-REFERENCES CHART

| Branchia | Whatman | Prat Dumas | Albet | Filter-lab | Macherey Nagel | Fioroni | S & S |
|---|---|---|---|---|---|---|---|
| QLPG | 93 | 106 | _ | _ | 713 | 122, 600 | |
| QLPV | 114 | 607 | 400 | 1300 | 616 | | 0860, 0859 |
| QLDS | 5 | 210 | 414, FP602h | 1256 | 619 | 115 | 602eh |
| QLDM | 1 | 108 | 412, FP595, FP597 | 1250 | 615 | 601 | 595 |
| QLDF | 4 | 609 | 411, FP604 | 1248 | 617 | 111 | 604 |
| QNHS | 50 | 601 | 501, FP1575 | 2244 | 1640d | 155 | 1575 |
| QNHM | 52 | 600 | 502, FP1574 | 2240 | 1640m | 153 | 1574 |
| QNHF | 54 | 603 | 503, FP1573 | 2235 | 1640we | 151 | 1573 |
| QNDS | 42 | 6601 | 150, FP589/3 | 1244 | 640d | 15 | 589/3 |
| QNDM | 40 | 6600 | 145, FP589/5 | 1242 | 640md | 13 | 589/5 |
| QNDF | 43 | 6602 | 140, FP589/2 | 1240 | 640m | | 589/2 |

Notes: the cross-references between different paper filter manufacturers are shown only as mere information to make the change to another brand easier. Two paper filters are never equal and we recommend you to make a test before using it. The above mentioned brands are registered marks of their respective owners and do not have any connection with Labbox

### ANTIBIOTIC CONTROL FILTER PAPER (ANTIBIOGRAMS)

BRANCHIA *by* PRAT DUMAS

Very thick and absorbent cotton fiber used to determine the most suitable antibiotic for a particular infection treatment. Surface weight 420 g/m². Available in flat disks



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ANTF-004-1K0 | 4 | disk | 1000 | |
| ANTF-006-1K0 | 6 | disk | 1000 | |
| ANTF-009-1K0 | 9 | disk | 1000 | |
| ANTF-013-1K0 | 13 | disk | 1000 | |

### ACTIVATED CARBON PAPER FILTER

BRANCHIA *by* PRAT DUMAS

Activated carbon paper used to dispose benzene, toluene, xylene, ethylbenzene or other small organic molecules. Commonly used in water filtration and odor removal. Available in flat disks



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ACAF-070-100 | 70 | disk | 100 | |
| ACAF-090-100 | 90 | disk | 100 | |
| ACAF-110-100 | 110 | disk | 100 | |
| ACAF-125-100 | 125 | disk | 100 | |
| ACAF-150-100 | 150 | disk | 100 | |

BRANCHIA by PRAT DUMAS

## BLOTTING PAPER FOR GERMINATION TESTS

Blotting paper used in laboratory for the tests and the controls of germination. It allows to determine the capacity of germination of seeds. Good absorption capacity (300 %). Paper supplied in wrinkled bands (50 double folds) of 2 m length and 110 mm wide. Color: white, yellow or grey



| reference | l (mm) | w (mm) | color | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| GERF-001-100 | 2000 | 110 | white | 100 | |
| GERF-002-100 | 2000 | 110 | yellow | 100 | |
| GERF-003-100 | 2000 | 110 | grey | 100 | |

BRANCHIA by PRAT DUMAS

## BLAINE TEST FILTER PAPER

Special paper for determining the fineness of cement according to EN 196-6:2010 standard. Methods of ciment testing. Determination of fineness. Available in flat disks. Diameters: 12,7 mm or 40,5 mm



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| BLAF-012-1K0 | 12,7 | disk | 1000 | |
| BLAF-040-1K0 | 40,5 | disk | 1000 | |

BRANCHIA by PRAT DUMAS

## MICROFIBER GLASS PAPER FILTER, GRADE GFFC (1,2 mm)

Paper made from 100% borosilicate glass microfiber without binder. Fast filtration with a retention of fine particles. Standard filter for determination of Total Suspended Solids (TSS) in drinking or sewage water according to European standards (EN 872) and American standards (Standard Methods 2540D). Can be used at very high temperatures. Surface weight 55 g/m², pore 1,2 µm, thickness 270 µm. Available in flat disks. Equivalent to: Whatman GF/C, Macherey Nagel GF-3, Millipore AP40, S and S GF52



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| GFFC-025-100 | 25 | disk | 100 | |
| GFFC-047-100 | 47 | disk | 100 | |
| GFFC-055-100 | 55 | disk | 100 | |
| GFFC-070-100 | 70 | disk | 100 | |
| GFFC-090-100 | 90 | disk | 100 | |
| GFFC-E47-050 | 47 | disk, sterile | 50 | |

BRANCHIA by PRAT DUMAS

## GLASS MICROFIBER FILTER, GRADE GFFA (1,6 mm)

Paper made from 100% borosilicate glass microfiber, without binder. Very fast filtration with a high retention and capacity of fine particles . For generallaboratory use. Can be used at very high temperature. Surface weight 37 g/m², pore 1,6 µm, thickness 190 µm. Available in flat disks. Equivalent to: Whatman GF/A, Macherey Nagel GF-1, S&S GF50



| reference | Ø (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| GFFA-025-100 | 25 | disk | 100 | |
| GFFA-047-100 | 47 | disk | 100 | |
| GFFA-055-100 | 55 | disk | 100 | |
| GFFA-090-100 | 90 | disk | 100 | |

## CN AND CE MEMBRANE FILTERS, NON-STERILE

BRANCHIA

Plain white membranes available in cellulose nitrate (CN) and cellulose acetate (CA)

| reference | Ø (mm) | pore (µm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| MACN-447-100 | 47 | 0,45 | cellulose acetate | 100 | |
| MACN-247-100 | 47 | 0,20 | cellulose acetate | 100 | |
| MACN-847-100 | 47 | 0,80 | cellulose acetate | 100 | |
| MCNN-447-100 | 47 | 0,45 | cellulose nitrate | 100 | |
| MCNN-247-100 | 47 | 0,20 | cellulose nitrate | 100 | |
| MCNN-847-100 | 47 | 0,80 | cellulose nitrate | 100 | |



## NYLON MEMBRANE FILTERS, NON-STERILE

BRANCHIA

Membrane made of hydrophilic Nylon 66. Suitable for sample preparation in HPLC applications. Ideal for routine analysis

| reference | Ø (mm) | pore (µm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MFNY-247-200 | 47 | 0,22 | 200 | |
| MFNY-447-200 | 47 | 0,45 | 200 | |



## PES MEMBRANE FILTERS, NON-STERILE

BRANCHIA

Very suitable for culture media assays. Membrane made of Polyethersulfone (PES), inherently hydrophilic. Fast filtration speed. Membrane mechanically very strong and resistant to an extensive range of aqueous solvents. Low protein binding

| reference | Ø (mm) | pore (µm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MFPE-247-200 | 47 | 0,22 | 200 | |
| MFPE-447-200 | 47 | 0,45 | 200 | |

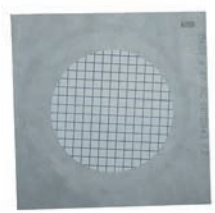


## CN MEMBRANE FILTERS, STERILE

BRANCHIA

White cellulose nitrate membranes (CN) with black grid for microbiology applications. Sterile, individual packaging

| reference | Ø (mm) | pore (µm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MCNE-447-100 | 47 | 0,45 | 100 | |
| MCNE-247-100 | 47 | 0,20 | 100 | |
| MCNE-450-100 | 50 | 0,45 | 100 | |
| MCNE-250-100 | 50 | 0,20 | 100 | |



## FUNNEL WITH LONG STEM

LBG

121°

Made of borosilicate glass LBG 3.3 and according to ISO 4798 standard. Angle: 60°

| reference | $Ø_{top}$ (mm) | $l_{stem}$ (mm) | $Ø_{stem}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| FUL3-050-006 | 50 | 150 | 7 | 6 | |
| FUL3-060-006 | 60 | 150 | 8 | 6 | |
| FUL3-075-006 | 75 | 150 | 9 | 6 | |
| FUL3-090-006 | 90 | 150 | 11 | 6 | |





## FUNNEL WITH LONG STEM *PREMIUM LINE*

Made of top quality 3.3 borosilicate glass

| reference | Ø top (mm) | l stem (mm) | Ø stem (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| FULG-070-006 | 70 | 150 | 8 | 6 | |
| FULG-080-006 | 80 | 150 | 8 | 6 | |
| FULG-105-006 | 105 | 150 | 8 | 6 | |



## FUNNEL WITH SHORT STEM

Made of borosilicate glass LBG 3.3 and according to ISO 4798 standard. Angle: 60°

| reference | Ø top (mm) | l stem (mm) | Ø stem (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| FUS3-040-012 | 40 | 50 | 7 | 12 | |
| FUS3-050-012 | 50 | 50 | 7 | 12 | |
| FUS3-060-012 | 60 | 60 | 7 | 12 | |
| FUS3-075-012 | 75 | 75 | 8 | 12 | |
| FUS3-090-012 | 90 | 90 | 10 | 12 | |
| FUS3-100-006 | 100 | 100 | 10 | 6 | |
| FUS3-120-006 | 120 | 120 | 12 | 6 | |



## FUNNEL WITH SHORT STEM *PREMIUM LINE*

Made of top quality 3.3 borosilicate glass. Complies with DIN ISO 4798 & USP standards. With 60° bowl angle for precise fitting of filter paper

| reference | Ø top (mm) | l stem (mm) | Ø stem (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| FUSG-035-010 | 35 | 35 | 6 | 10 | |
| FUSG-055-010 | 55 | 55 | 8 | 10 | |
| FUSG-075-010 | 75 | 75 | 8 | 10 | |
| FUSG-100-010 | 100 | 100 | 10 | 10 | |
| FUSG-125-010 | 125 | 125 | 16 | 10 | |
| FUSG-150-010 | 150 | 150 | 16 | 10 | |



## FUNNEL, PTFE

Chemically resistant and inert. Smooth, non-sticky internal surface

| reference | Ø top (mm) | Ø stem (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| FPTF-050-001 | 52 | 16 | 84 | 1 | |
| FPTF-070-001 | 79 | 18 | 116 | 1 | |
| FPTF-100-001 | 104 | 22 | 150 | 1 | |
| FPTF-150-001 | 158 | 24 | 200 | 1 | |

121°

Products labelled with this symbol can be autoclaved at 121 °C.

## FUNNEL SHORT STEM, POLYPROPYLENE

Autoclavable at 121°C. FUSP-200-012 and FUSP-250-012 have a handle for easy use

astiK's



| reference | Ø inner top (mm) | Ø outer top (mm) | l stem (mm) | Ø ext stem (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FUSP-050-012 | 50 | 58 | 48 | 7 | 12 | |
| FUSP-062-012 | 62 | 70 | 60 | 7 | 12 | |
| FUSP-075-012 | 75 | 83 | 75 | 8 | 12 | |
| FUSP-100-012 | 100 | 108 | 90 | 9 | 12 | |
| FUSP-150-012 | 150 | 158 | 110 | 16 | 12 | |
| FUSP-200-012 | 200 | 210 | 85 | 23 | 12 | |
| FUSP-250-006 | 250 | 260 | 90 | 25 | 6 | |

## FUNNEL, STAINLESS STEEL

Made of 316 stainless steel

clink



| reference | Ø top (mm) | Ø stem (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| FUNA-050-001 | 50 | 12 | 65 | 1 | |
| FUNA-060-001 | 60 | 15 | 65 | 1 | |
| FUNA-080-001 | 80 | 12 | 105 | 1 | |
| FUNA-100-001 | 100 | 15 | 120 | 1 | |
| FUNA-120-001 | 120 | 12 | 140 | 1 | |
| FUNA-150-001 | 150 | 20 | 170 | 1 | |
| FUNA-200-001 | 200 | 20 | 220 | 1 | |
| FUNA-250-001 | 250 | 19 | 230 | 1 | |

## POWDER FUNNEL, GLASS *PREMIUM LINE*

Made of 3.3 borosilicate glass (upper grade). Autoclavable



| reference | Ø top (mm) | Ø stem (mm) | l stem (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| PFUG-060-006 | 60 | 20 | 28 | 6 | |
| PFUG-080-006 | 80 | 25 | 30 | 6 | |
| PFUG-100-006 | 100 | 25 | 30 | 6 | |
| PFUG-125-002 | 125 | 30 | 32 | 2 | |
| PFUG-150-002 | 150 | 31 | 35 | 2 | |

## POWDER FUNNEL, POLYPROPYLENE

Autoclavable at 121 °C. External ridges prevent air lock

astiK's



| reference | Ø top (mm) | l stem (mm) | Ø stem (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| PFUP-065-006 | 65 | 22 | 12 | 6 | |
| PFUP-080-006 | 80 | 30 | 12 | 6 | |
| PFUP-100-006 | 100 | 33 | 18 | 6 | |
| PFUP-150-006 | 150 | 30 | 24 | 6 | |



## FUNNEL HOLDER

Polypropylene. To hold funnels with top diameter of 50 to 120 mm

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| FHOP-001-001 | for 1 funnel | 1 | |



## SEPARATORY FUNNEL, CONICAL WITH PTFE STOPCOCK AND PLASTIC STOPPER

Made of borosilicate glass LBG 3.3

| reference | capacity | l (mm) | mouth | Ø max. (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SFT3-060-002 | 60 ml | 205 | 14/23 | 50 | 2 | |
| SFT3-125-002 | 125 ml | 270 | 19/26 | 68 | 2 | |
| SFT3-250-002 | 250 ml | 300 | 19/26 | 76 | 2 | |
| SFT3-500-002 | 500 ml | 330 | 24/29 | 98 | 2 | |
| SFT3-1K0-002 | 1000 ml | 430 | 29/32 | 120 | 2 | |



## SEPARATORY FUNNEL, CONICAL WITH PTFE STOPCOCK, GLASSCO

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN / ISO 4800 standard

| reference | capacity | h (mm) | mouth | Ø max. (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SFTG-050-001 | 50 ml | 240 | 19/26 | 49 | 1 | |
| SFTG-100-001 | 100 ml | 265 | 19/26 | 64 | 1 | |
| SFTG-250-001 | 250 ml | 320 | 29/32 | 83 | 1 | |
| SFTG-500-001 | 500 ml | 350 | 29/32 | 96 | 1 | |
| SFTG-1K0-001 | 1000 ml | 440 | 29/32 | 130 | 1 | |
| SFTG-2K0-001 | 2000 ml | 490 | 29/32 | 143 | 1 | |



## SEPARATORY FUNNEL, CONICAL, WITH GLASS STOPCOCK AND PLASTIC STOPPER

Made of borosilicate glass LBG 3.3

| reference | capacity | l (mm) | mouth | Ø max. (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SFU3-060-002 | 60 ml | 205 | 14/23 | 52 | 2 | |
| SFU3-125-002 | 125 ml | 260 | 19/26 | 66 | 2 | |
| SFU3-250-002 | 250 ml | 310 | 19/26 | 76 | 2 | |
| SFU3-500-002 | 500 ml | 355 | 24/29 | 98 | 2 | |

## SEPARATORY FUNNEL, WITH SCREW TYPE NEEDLE VALVE AND PLASTIC STOPPER, GLASSCO

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN / ISO 4800 standard

| reference | capacity | l (mm) | mouth | Ø max. (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SFNG-050-001 | 50 ml | 120 | 19/26 | 50 | 1 | |
| SFNG-100-001 | 100 ml | 145 | 19/26 | 65 | 1 | |
| SFNG-250-001 | 250 ml | 190 | 29/32 | 85 | 1 | |
| SFNG-500-001 | 500 ml | 230 | 29/32 | 100 | 1 | |
| SFNG-1K0-001 | 1000 ml | 300 | 29/32 | 135 | 1 | |
| SFNG-2K0-001 | 2000 ml | 350 | 29/32 | 155 | 1 | |



## SEPARATORY FUNNEL, PEAR-SHAPED, WITH PTFE STOPCOCK, GLASSCO

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN / ISO 4800 standard

| reference | capacity | l (mm) | mouth | Ø max. (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SFPG-050-001 | 50 ml | 220 | 19/26 | 50 | 1 | |
| SFPG-100-001 | 100 ml | 240 | 19/26 | 64 | 1 | |
| SFPG-250-001 | 250 ml | 295 | 29/32 | 85 | 1 | |
| SFPG-500-001 | 500 ml | 320 | 29/32 | 105 | 1 | |
| SFPG-1K0-001 | 1000 ml | 370 | 29/32 | 137 | 1 | |
| SFPG-2K0-001 | 2000 ml | 480 | 29/32 | 165 | 1 | |



## SEPARATORY FUNNEL, WITH PTFE STOPCOCK AND PLASTIC STOPPER, GILSON TYPE, GLASSCO

Made of 3.3 borosilicate glass (upper grade)

| reference | capacity | $l_{total}$ (mm) | mouth | Ø max. (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SFGG-050-001 | 50 ml | 300 | 19/26 | 53 | 1 | |
| SFGG-100-001 | 100 ml | 330 | 19/26 | 66 | 1 | |
| SFGG-250-001 | 250 ml | 400 | 29/32 | 87 | 1 | |
| SFGG-500-001 | 500 ml | 440 | 29/32 | 107 | 1 | |
| SFGG-1K0-001 | 1000 ml | 500 | 29/32 | 134 | 1 | |
| SFGG-2K0-001 | 2000 ml | 600 | 29/32 | 169 | 1 | |



## DROPPING FUNNEL, WITH PTFE STOPCOCK AND PLASTIC STOPPER, CYLINDRICAL, GLASSCO

Made of 3.3 borosilicate glass (upper grade). In compliance with DIN / ISO 4800 and 3585 standards. With graduation

| reference | capacity | l (mm) | mouth | Ø max. (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SFCG-050-001 | 50 ml | 120 | 14/23 | 34 | 1 | |
| SFCG-100-001 | 100 ml | 140 | 14/23 | 44 | 1 | |
| SFCG-250-001 | 250 ml | 210 | 29/32 | 54 | 1 | |
| SFCG-500-001 | 500 ml | 260 | 29/32 | 67 | 1 | |
| SFCG-1K0-001 | 1000 ml | 300 | 29/32 | 88 | 1 | |





## SEPARATORY FUNNEL, POLYPROPYLENE

Autoclavable at 121 °C. With screw cap and PP stopcock with PTFE joint

| reference | capacity | l (mm) | Ø max. (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SFUP-100-002 | 100 ml | 250 | 59 | 2 | |
| SFUP-250-002 | 250 ml | 305 | 83 | 2 | |
| SFUP-500-002 | 500 ml | 355 | 99 | 2 | |



## SEPARATORY FUNNEL HOLDER

Polypropylene. To hold funnels from 125 ml up to 500 ml

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SFHP-001-001 | for 1 funnel | 1 | |




## CRUCIBLE WITH FILTER PLATE

Made of top quality 3.3 borosilicate glass. Maximum temperature: 220 °C (heat and cool in a slow and controlled manner). Each crucible has a sintered disc with a different porosity grade: 150- 200 µm (porosity 0), 90- 150 µm (porosity 1), 40- 90 µm (porosity 2), 15- 40 µm (porosity 3), 5- 15 µm (porosity 4), 1- 2 µm (porosity 5)

| reference | capacity | Ø (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FTC3-030-001 | 30 ml | 35 | 60 | porosity 0 | 1 | |
| FTC3-A30-001 | 30 ml | 35 | 60 | porosity 1 | 1 | |
| FTC3-B30-001 | 30 ml | 35 | 60 | porosity 2 | 1 | |
| FTC3-C30-001 | 30 ml | 35 | 60 | porosity 3 | 1 | |
| FTC3-D30-001 | 30 ml | 35 | 60 | porosity 4 | 1 | |
| FTC3-E30-001 | 30 ml | 35 | 60 | porosity 5 | 1 | |
| FTC3-050-001 | 50 ml | 40 | 70 | porosity 0 | 1 | |
| FTC3-A50-001 | 50 ml | 40 | 70 | porosity 1 | 1 | |
| FTC3-B50-001 | 50 ml | 40 | 70 | porosity 2 | 1 | |
| FTC3-C50-001 | 50 ml | 40 | 70 | porosity 3 | 1 | |
| FTC3-D50-001 | 50 ml | 40 | 70 | porosity 4 | 1 | |
| FTC3-E50-001 | 50 ml | 40 | 70 | porosity 5 | 1 | |
| “Saving package” | | | | | | |
| FTC3-030-010 | 30 ml | 35 | 60 | porosity 0 | 10 | |
| FTC3-A30-010 | 30 ml | 35 | 60 | porosity 1 | 10 | |
| FTC3-B30-010 | 30 ml | 35 | 60 | porosity 2 | 10 | |
| FTC3-C30-010 | 30 ml | 35 | 60 | porosity 3 | 10 | |
| FTC3-D30-010 | 30 ml | 35 | 60 | porosity 4 | 10 | |
| FTC3-E30-010 | 30 ml | 35 | 60 | porosity 5 | 10 | |
| FTC3-050-010 | 50 ml | 40 | 70 | porosity 0 | 10 | |
| FTC3-A50-010 | 50 ml | 40 | 70 | porosity 1 | 10 | |
| FTC3-B50-010 | 50 ml | 40 | 70 | porosity 2 | 10 | |
| FTC3-C50-010 | 50 ml | 40 | 70 | porosity 3 | 10 | |
| FTC3-D50-010 | 50 ml | 40 | 70 | porosity 4 | 10 | |
| FTC3-E50-010 | 50 ml | 40 | 70 | porosity 5 | 10 | |

## BÜCHNER FUNNEL WITH SINTERED DISC

Made of top quality 3.3 borosilicate glass. They should be used with a filtering flask with standard ground mouth reference FFK3. Each funnel has a sintered disc with a different porosity grade: 90-150 µm (porosity 1), 40-90 µm (porosity 2), 15-40 µm (porosity 3), 5-15 µm (porosity 4)




| reference | capacity | Ø (mm) | joint ST/NS | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BFU3-A35-001 | 35 ml | 30 | 19/26 | porosity 1 | 1 | |
| BFU3-B35-001 | 35 ml | 30 | 19/26 | porosity 2 | 1 | |
| BFU3-C35-001 | 35 ml | 30 | 19/26 | porosity 3 | 1 | |
| BFU3-D35-001 | 35 ml | 30 | 19/26 | porosity 4 | 1 | |
| BFU3-A80-001 | 80 ml | 40 | 29/32 | porosity 1 | 1 | |
| BFU3-B80-001 | 80 ml | 40 | 29/32 | porosity 2 | 1 | |
| BFU3-C81-001 | 80 ml | 40 | 19/26 | porosity 3 | 1 | |
| BFU3-C80-001 | 80 ml | 40 | 29/32 | porosity 3 | 1 | |
| BFU3-D80-001 | 80 ml | 40 | 29/32 | porosity 4 | 1 | |
| BFU3-20A-001 | 200 ml | 65 | 29/32 | porosity 1 | 1 | |
| BFU3-20B-001 | 200 ml | 65 | 29/32 | porosity 2 | 1 | |
| BFU3-21C-001 | 200 ml | 65 | 19/26 | porosity 3 | 1 | |
| BFU3-20C-001 | 200 ml | 65 | 29/32 | porosity 3 | 1 | |
| BFU3-20D-001 | 200 ml | 65 | 29/32 | porosity 4 | 1 | |

## HIRSCH FUNNEL *PREMIUM LINE*

HDN

121°

Made of porcelain highly resistant to chemical attack. With fixed perforated plate for paper or membrane filters. Glazed inside and outside, except rim. Autoclavable



| reference | capacity | $Ø_{top}$ (mm) | h (mm) | for paper filter Ø | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| HFFK-030-001 | 10 ml | 30 | 50 | 10 mm | 1 | |
| HFFK-040-001 | 12 ml | 40 | 70 | 13-15 mm | 1 | |
| HFFK-050-001 | 25 ml | 50 | 75 | 25-30 mm | 1 | |
| HFFK-075-001 | 50 ml | 75 | 130 | 40-47 mm | 1 | |

## FILTERING FLASK, GROUND MOUTH WITH HOSE CONNECTOR

LBG

121°

Made of borosilicate glass LBG 3.3




| reference | capacity | $Ø_{base}$ (mm) | h (mm) | $Ø_{side}$ hose (mm) | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| FFK3-101-001 | 100 ml | 64 | 105 | 8 | 29/32 | 1 | |
| FFK3-102-001 | 100 ml | 64 | 105 | 8 | 19/26 | 1 | |
| FFK3-250-001 | 250 ml | 85 | 128 | 10 | 29/32 | 1 | |
| FFK3-500-001 | 500 ml | 105 | 165 | 10 | 29/32 | 1 | |
| FFK3-1K0-001 | 1000 ml | 131 | 210 | 10 | 29/32 | 1 | |




## LBG FILTERING FLASK, ERLENMEYER SHAPE, LBG

Made of borosilicate glass LBG 3.3

| reference | capacity | Ø base (mm) | h (mm) | Ø inner mouth (mm) | Ø side (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| FFEN-250-001 | 250 ml | 90 | 160 | 30 | 8 | 1 | |
| FFEN-500-001 | 500 ml | 115 | 210 | 35 | 10 | 1 | |
| FFEN-1K0-001 | 1000 ml | 140 | 245 | 40 | 10 | 1 | |




## GLASSCO FILTERING FLASK, ERLENMEYER SHAPE GLASSCO

121°

Manufactured with top quality 3.3 borosilicate glass. According to ISO 6556 and USP standard

| reference | capacity | Ø base (mm) | h (mm) | Ø inner mouth (mm) | Ø side (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| FFE3-100-002 | 100 ml | 72 | 105 | 24 | 8 | 2 | |
| FFE3-125-002 | 125 ml | 72 | 107 | 25 | 9 | 2 | |
| FFE3-250-002 | 250 ml | 84 | 158 | 29 | 10 | 2 | |
| FFE3-500-002 | 500 ml | 106 | 188 | 33.5 | 10 | 2 | |
| FFE3-1K0-002 | 1000 ml | 135 | 242 | 37 | 12 | 2 | |
| FFE3-2K0-001 | 2000 ml | 166 | 280 | 40 | 12 | 1 | |
| FFE3-5K0-001 | 5000 ml | 220 | 390 | 56 | 12 | 1 | |



## astiK's FILTERING FLASK, PP

121°

Molded in one piece, can withstand full vacuum to 30 mmHg. Suitable for tubing with 6,4 mm to 9,5 mm inner diameters. Side arm tubulation at 45° angle helps prevent tipping

| reference | capacity | Ø base (mm) | h (mm) | Ø mouth (mm) | Ø inner mouth (mm) | Ø side (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|---|
| FFEP-250-001 | 250 ml | 91 | 139 | 37 | 27 | 6 | 1 | |
| FFEP-500-001 | 500 ml | 115 | 186 | 45 | 32 | 6 | 1 | |
| FFEP-1K0-001 | 1000 ml | 143 | 214 | 50 | 37 | 6 | 1 | |
| FFEP-2K0-001 | 2000 ml | 158 | 270 | 55 | 43 | 6 | 1 | |



## HDN BÜCHNER FUNNEL, PORCELAIN *PREMIUM LINE*

121°

Made of high grade porcelain. Glazed inside and outside with the exception of the rim. Autoclavable

| reference | capacity | Ø top (mm) | h (mm) | for paper filter Ø | pore Ø (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BFUK-035-001 | 35 ml | 50 | 91 | 35-40 mm | 1,2 | 1 | |
| BFUK-100-001 | 100 ml | 65 | 103 | 50-55 mm | 1,3 | 1 | |
| BFUK-200-001 | 200 ml | 86 | 140 | 70 mm | 1,3 | 1 | |
| BFUK-350-001 | 350 ml | 105 | 162 | 90 mm | 1,3 | 1 | |
| BFUK-600-001 | 600 ml | 127 | 194 | 110 mm | 1,5 | 1 | |
| BFUK-800-001 | 800 ml | 143 | 200 | 110-124 mm | 1,5 | 1 | |
| BFUK-1K1-001 | 1150 ml | 172 | 220 | 142-150 mm | 1,5 | 1 | |
| BFUK-2K0-001 | 2000 ml | 210 | 272 | 185 mm | 2,0 | 1 | |
| BFUK-4K8-001 | 4800 ml | 270 | 352 | 240 mm | 2,0 | 1 | |

## BÜCHNER FUNNEL, POLYPROPYLENE

Autoclavable at 121 °C. Removable base for an easy cleaning

| reference | capacity | Ø (mm) | $h_{total}$ (mm) | for paper filter Ø | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BFUP-070-001 | 120 ml | 75 | 140 | 70 mm | 1 | |
| BFUP-110-001 | 400 ml | 130 | 210 | 110 - 125 mm | 1 | |

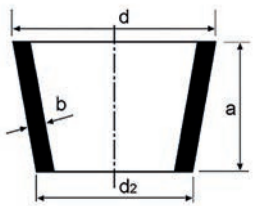


## GUKO RUBBER GASKETS, FOR FILTERING FLASK

Made of natural rubber, grey

| reference | size | d (mm) | $d_2$ (mm) | a (mm) | b (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| GUKO-001-001 | 1 | 21 | 12 | 18 | 2.5 | 1 | |
| GUKO-002-001 | 2 | 27 | 17 | 20 | 3 | 1 | |
| GUKO-003-001 | 3 | 33 | 21 | 24 | 3 | 1 | |
| GUKO-004-001 | 4 | 41 | 27.5 | 27 | 4 | 1 | |
| GUKO-005-001 | 5 | 53 | 33 | 34 | 5 | 1 | |
| GUKO-006-001 | 6 | 68 | 48 | 35 | 5.5 | 1 | |
| GUKO-007-001 | 7 | 78 | 58 | 35 | 6 | 1 | |
| GUKO-008-001 | 8 | 89 | 66 | 40 | 6.5 | 1 | |
| “Saving package” | | | | | | | |
| GUKO-001-010 | 1 | 21 | 12 | 18 | 2.5 | 10 | |
| GUKO-002-010 | 2 | 27 | 17 | 20 | 3 | 10 | |
| GUKO-003-010 | 3 | 33 | 21 | 24 | 3 | 10 | |
| GUKO-004-010 | 4 | 41 | 27,5 | 27 | 4 | 10 | |
| GUKO-005-010 | 5 | 53 | 33 | 34 | 5 | 10 | |
| GUKO-006-005 | 6 | 68 | 48 | 35 | 5.5 | 5 | |
| GUKO-007-005 | 7 | 78 | 58 | 35 | 6 | 5 | |
| GUKO-008-005 | 8 | 89 | 66 | 40 | 6.5 | 5 | |






## GUKO SET RUBBER GASKETS, FOR FILTERING FLASK

Contains one unit of each of the 8 available sizes

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GUKO-SET-001 | sizes from 1 to 8 (one of each size) | 1 | |



TECHNICAL INFORMATION ABOUT OUR PRODUCTS

In the annex of this catalog, starting from page 438, you will find a large amount of useful technical information about our products. This information includes, among other things, technical specifications of different materials (glass, porcelain, etc.), compatibility tables, and general guidelines for laboratory material cleaning. Visit the ”Support” - ”Technical Information” section of our website for further additional technical information about our products and to check for any updates.



## FILTER UNIT FOR 47 mm DISC FILTERS

Made of top quality 3.3 borosilicate glass. Contains flask, fritted glass holder base, funnel and aluminium clamp. Hose connector is designed for tubing Øinner 6 mm

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| FUC3-1K0-001 | complete set with 1000 ml flask | 1 | |
| FUC3-2K0-001 | complete set with 2000 ml flask | 1 | |
| Spare parts | | | |
| FU13-1K0-001 | ground joint flask 40/35, 1000 ml | 1 | |
| FU13-2K0-001 | ground joint flask 40/35, 2000 ml | 1 | |
| FU23-1K0-001 | fritted glass support base (porosity 2) | 1 | |
| FU3M-000-001 | aluminum clamp | 1 | |
| FU43-250-001 | funnel, 300 ml (graduated up to 250 ml) | 1 | |



## GLASS FILTER HOLDER FOR 90 mm DISC FILTERS

Made of top quality 3.3 borosilicate glass. Contains base and tubulated cap, PTFE-coated stainless steel screen, funnel and aluminium clamp. Hose connector is designed for tubing Øinner 6 mm. Flask is not included (see any 40/35 ground joint flask)

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| FUC3-090-001 | glass filter holder for 90 mm disc filters (complete set) | 1 | |
| Spare parts | | | |
| FU23-090-001 | base and tubulated cap | 1 | |
| FU23-09T-001 | stainless steel screen, PTFE coated | 1 | |
| FU23-09G-001 | gasket PTFE | 1 | |
| FU43-1K0-001 | funnel, 1000 ml, for 90 mm filter holder | 1 | |
| FU3M-090-001 | aluminium clamp, 90 mm | 1 | |



## GROUND JOINT FILTER FLASK 40/35, LARGE CAPACITY

Made of top quality 3.3 borosilicate glass

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| FU13-1K0-001 | ground joint flask 40/35, 1000 ml | 1 | |
| FU13-2K0-001 | ground joint flask 40/35, 2000 ml | 1 | |
| FU13-5K0-001 | ground joint flask 40/35, conical bottom, 5000 ml | 1 | |

clink



## STAINLESS STEEL FILTER MANIFOLD

Available in 3 or 6 positions. The manifold includes a hose connector for a tubing with internal diameter 10 mm. Can be connected to any filter holder bearing a stopper size #8, such as FUC3-047-001 or FUSS-047-001. Remove O-rings before autoclaving

| reference | description | Ø inner mouth (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| MNFA-003-001 | 3 positions | 33,8 | 360 | 1 | |
| MNFA-006-001 | 6 positions | 33,8 | 660 | 1 | |

## FILTER HOLDER FOR 25 mm DISC FILTERS

Made of top quality 3.3 borosilicate glass. Contains base with fritted glass holder, silicone stopper #5 (Øupper 27 mm y Ølower 23 mm), funnel and aluminium clamp. Can be completed with Filtering flask FFE3-125-002



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| FUC3-025-001 | filter holder for 25 mm disc filters (complete set) | 1 | |
| Spare parts | | | |
| FU23-025-001 | fritted glass base, 25 mm | 1 | |
| FU43-015-001 | funnel, 15 ml, for 25 mm filter holder | 1 | |
| FU23-005-001 | silicone stopper #5 | 1 | |
| FU3M-025-001 | aluminium clamp, 25 mm | 1 | |

## FILTER HOLDER FOR 47 mm DISC FILTERS

Made of top quality 3.3 borosilicate glass. Includes base with fritted glass holder, silicone stopper #8 (Øupper 41 mm y Ølower 33 mm), funnel and aluminium clamp. Can be completed with Filtering flask FFE3-1K0-002 or a Filter manifold



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| FUC3-047-001 | filter holder for 47 mm disc filters (complete set) | 1 | |
| Spare parts | | | |
| FU23-047-001 | fritted glass base, 47 mm | 1 | |
| FU43-251-001 | funnel, 300 ml (graduated up to 250 ml) | 1 | |
| FU23-008-001 | silicone stopper #8 | 1 | |
| FU3M-001-001 | aluminium clamp | 1 | |

## STAINLESS STEEL FILTER HOLDER FOR 47 mm DISC FILTERS

clink

Includes stainless steel holder, support screen and funnel (300 ml), silicone stopper #8 (Øupper 37 mm and Ølower 30 mm) and aluminium clamp. Can be connected to any filter holder bearing a stopper size #8



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| FUSS-047-001 | stainless steel filter holder for 47 mm disc filters (complete set) | 1 | |
| Spare parts | | | |
| FUSS-A01-001 | stainless steel support screen, 47 mm | 1 | |
| FUSS-A04-001 | stainless steel funnel, 300 ml | 1 | |
| FUSS-A02-001 | silicone stopper #8 | 1 | |
| FUSS-A03-001 | aluminium clamp | 1 | |



## ESSENTIAL OIL DETERMINATION APPARATUS, (CLEVENGER APPARATUS)

Made of heat resistant, low expansion, 3.3 borosilicate glass (upper grade). The sample is boiled in the boiling flask, steam rises in the assembly up to a condenser, and the condensate falls into the small extractor burette (water is returned to the tank through a channel whose position differs according to the densitiy of the oil in relation to water). After some time, the oil volume collected in the burette can be directly measured. Includes 1000 ml round bottom flask (24/29), 300 mm Liebig condenser (24/29) and 10 ml extractor with 0 – 10 ml graduation and 0,1 ml subdivisions (24/29)

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| EIDG-001-001 | 1000 ml | for oil more dense than water | 1 | |
| EIDG-002-001 | 1000 ml | for oil less dense than water | 1 | |



## DISTILATION FLASK

Made of heat resistant, ASTM E-438 type 1, 3.3 borosilicate glass (upper grade). Complies with ASTM E-133, ASTM D-86, D-233, D-801 & D 802 (except FLDG-500-002)

| reference | capacity | Ø (mm) | h (mm) | $Ø_{side}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FLDG-125-002 | 125 ml | 68 | 215 | 7 | 2 | |
| FLDG-250-002 | 250 ml | 85 | 226 | 9 | 2 | |
| FLDG-500-002 | 500 ml | 105 | 240 | 9 | 2 | |



## STANDARD STACKABLE LABORATORY SIEVES ACCORDING ISO 3310/1

Manufactured with metal mesh in stainless steel AISI-316 compatible with all manufacturers. Conforms to ISO standards. With serial number and certificate of conformity according to the required standard

| reference | type | Ø x h (mm) | mesh (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SIEV-206-001 | mesh | 200 x 50 | 3,15 | 1 | |
| SIEV-2A6-001 | mesh | 200 x 50 | 2,50 | 1 | |
| SIEV-205-001 | mesh | 200 x 50 | 2,00 | 1 | |
| SIEV-2A5-001 | mesh | 200 x 50 | 1,40 | 1 | |
| SIEV-204-001 | mesh | 200 x 50 | 1,00 | 1 | |
| SIEV-2A4-001 | mesh | 200 x 50 | 0,71 | 1 | |
| SIEV-203-001 | mesh | 200 x 50 | 0,50 | 1 | |
| SIEV-2A3-001 | mesh | 200 x 50 | 0,355 | 1 | |
| SIEV-202-001 | mesh | 200 x 50 | 0,25 | 1 | |
| SIEV-2A2-001 | mesh | 200 x 50 | 0,180 | 1 | |
| SIEV-201-001 | mesh | 200 x 50 | 0,125 | 1 | |
| SIEV-2A1-001 | mesh | 200 x 50 | 0,090 | 1 | |
| SIEV-200-001 | mesh | 200 x 50 | 0,063 | 1 | |
| SIEV-2A0-001 | mesh | 200 x 50 | 0,045 | 1 | |
| Accessories and spare parts | | | | | |
| SIEV-20B-001 | bottom | 200 | - | 1 | |
| SIEV-20T-001 | lid | 200 | - | 1 | |

## THIMBLES FOR SOXHLET EXTRACTORS

BRANCHIA by PRAT DUMAS

Made of pure cellulose, neutral cotton, without fat, without any type of binder resin that could contaminate the sample



| reference | Ø inside (mm) | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| EXTH-18A-025 | 18 | 21 | 60 | 25 | |
| EXTH-19B-025 | 19 | 22 | 80 | 25 | |
| EXTH-22A-025 | 22 | 25 | 60 | 25 | |
| EXTH-22B-025 | 22 | 25 | 80 | 25 | |
| EXTH-25B-025 | 25 | 29 | 80 | 25 | |
| EXTH-26A-025 | 26 | 30 | 60 | 25 | |
| EXTH-27B-025 | 27 | 31 | 80 | 25 | |
| EXTH-28B-025 | 28 | 32 | 80 | 25 | |
| EXTH-28C-025 | 28 | 32 | 100 | 25 | |
| EXTH-30B-025 | 30 | 34 | 80 | 25 | |
| EXTH-30C-025 | 30 | 34 | 100 | 25 | |
| EXTH-33B-025 | 33 | 37 | 80 | 25 | |
| EXTH-33C-025 | 33 | 37 | 100 | 25 | |
| EXTH-33G-025 | 33 | 37 | 118 | 25 | |
| EXTH-33D-025 | 33 | 37 | 130 | 25 | |
| EXTH-37D-025 | 37 | 42 | 130 | 25 | |
| EXTH-41H-025 | 41 | 46 | 123 | 25 | |
| EXTH-41E-025 | 41 | 46 | 150 | 25 | |

## THIMBLES FOR SOXHLET EXTRACTORS, BRANCHIA

BRANCHIA

Made of pure cellulose, neutral cotton, without fat, without any type of binder resin that could contaminate the sample



| reference | Ø inside (mm) | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BXTH-18A-025 | 18 | 20 | 55 | 25 | |
| BXTH-19C-025 | 19 | 21 | 90 | 25 | |
| BXTH-22A-025 | 22 | 24 | 60 | 25 | |
| BXTH-22B-025 | 22 | 24 | 80 | 25 | |
| BXTH-25B-025 | 25 | 27 | 80 | 25 | |
| BXTH-26A-025 | 26 | 28 | 60 | 25 | |
| BXTH-27B-025 | 27 | 29 | 80 | 25 | |
| BXTH-28B-025 | 28 | 30 | 80 | 25 | |
| BXTH-28C-025 | 28 | 30 | 100 | 25 | |
| BXTH-30B-025 | 30 | 32 | 80 | 25 | |
| BXTH-30C-025 | 30 | 32 | 100 | 25 | |
| BXTH-33B-025 | 33 | 35 | 80 | 25 | |
| BXTH-33C-025 | 33 | 35 | 100 | 25 | |
| BXTH-33G-025 | 33 | 35 | 118 | 25 | |
| BXTH-37D-025 | 37 | 39 | 130 | 25 | |
| BXTH-41H-025 | 41 | 43 | 123 | 25 | |




## LBG SOXHLET EXTRACTION APPARATUS WITH 30 ml EXTRACTOR BODY

Made of borosilicate glass LBG 3.3. The complete apparatus includes a Dimroth condenser, a 30 ml extractor and a 100 ml flat bottom flask. The most adequate thimble reference is EXTH-22B-025. The hose connectors of the condenser are for tubes with an 8 mm inner diameter. According to DIN 12602

| reference | ground (a) | ground (b) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SOX3-030-001 | 29/32 | 29/32 | full set | 1 | |
| Spare parts | | | | | |
| DRO3-030-001 | - | 29/32 | Dimroth condenser | 1 | |
| EXB3-030-001 | 29/32 | 29/32 | 30 ml extractor body | 1 | |
| BFF3-101-001 | 29/32 | - | 100 ml flat bottom flask | 1 | |

## SOXHLET EXTRACTION APPARATUS WITH 100 ml EXTRACTOR BODY, GLASSCO

Made of 3.3 borosilicate glass (upper grade). The complete apparatus includes a Dimroth condenser (DROG-100-001), an extractor (EXBG-100-001) and a flat bottom flask (BFFG-250-001). The most adequate thimble reference is EXTH-33B-025. The hose connectors of the condenser are for tubes with an 8 mm inner diameter. According to DIN 12602

| reference | ground (a) | ground (b) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SOH3-100-001 | 29/32 | 45/40 | full set | 1 | |
| Spare parts | | | | | |
| DROG-100-001 | - | 45/40 | Dimroth condenser | 1 | |
| EXBG-100-001 | 29/32 | 45/40 | 100 ml extractor body | 1 | |
| BFFG-250-001 | 29/32 | - | 250 ml flat bottom flask | 1 | |
| BFLG-250-001 | 29/32 | - | 250 ml round bottom flask | 1 | |

## SOXHLET EXTRACTION APPARATUS WITH 250 ml EXTRACTOR BODY, GLASSCO

Made of 3.3 borosilicate glass (upper grade). The complete apparatus includes a Dimroth condenser (DROG-250-001), an extractor (EXBG-250-001) and a flat bottom flask (BFFG-500-001). The most adequate thimble reference is EXTH-33D-025. The hose connectors of the condenser are for tubes with an 8 mm inner diameter. According to DIN 12602

| reference | ground (a) | ground (b) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SOH3-250-001 | 29/32 | 45/40 | full set | 1 | |
| Spare parts | | | | | |
| DROG-250-001 | - | 45/40 | Dimroth condenser | 1 | |
| EXBG-250-001 | 29/32 | 45/40 | 250 ml extractor body | 1 | |
| BFFG-500-001 | 29/32 | - | 500 ml flat bottom flask | 1 | |
| BFLG-500-001 | 29/32 | - | 500 ml round bottom flask | 1 | |

## SOXHLET EXTRACTION APPARATUS WITH 500 ml EXTRACTOR BODY

Made of top quality 3.3 borosilicate glass. The complete apparatus includes a Dimroth condenser (DROG-500-001), an extractor (EXBG-500-001) and a flat bottom flask (BFFG-1K0-001). The most adequate thimble reference is EXTH-41E-025. The hose connectors of the condenser are for tubes with an 8 mm inner diameter. According to DIN 12602



| reference | ground (a) | ground (b) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SOH3-500-001 | 29/32 | 60/46 | full set | 1 | |
| Accessories and spare parts | | | | | |
| DROG-500-001 | - | 60/46 | Dimroth condenser | 1 | |
| EXBG-500-001 | 29/32 | 60/46 | 500 ml extractor body | 1 | |
| BFFG-1K0-001 | 29/32 | - | 1000 ml flat bottom flask | 1 | |
| BFLG-1K0-001 | 29/32 | - | 1000 ml round bottom flask | 1 | |

## *ROTARY EVAPORATOR, EVA180-B SERIES

Set of vertical glassware included (REVA-A01-001). Speed range from 20 to 200 rpm. 5 L water-oil heating universal bath with heating temperature range of RT to 180 °C, with a precise temperature control (±1°C in water) and that can be used independently.LED screen that displays heating temperature, rotation speed and timing. Patented condenser with excellent cooling effect (cooling surface 1700 cm2). Manual lift combined with auxiliary lift for precise positioning of the glassware. Evaporating flask with an ejector, easy to remove. Chemical-resistant double PTFE system and patented pressure spring provide excellent sealing. External dimensions (mm): 440 x 320 x 450 (main unit) and 300 x 300 x 240 (heating bath). Weight: 7 kg (main unit) and 3 kg (heating bath). 100-240 V / 50-60 Hz, insulation rating IP20 (DIN EN60529). Warranty 2 years. It is recommended to combine with the vacuum pump VACU-R20-001. The most suitable rubber tubing references are RUTT-008-002 for the vacuum and LTXT-007-005 for the condenser



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| REVB-180-001 | rotary evaporator, LBX EVA180-B series | 1 | |

## *ROTARY EVAPORATOR, EVA180

Set of vertical glassware included (REVA-A01-001). Speed range from 20 to 280 rpm. Large 5 L water-oil heating bath with heating temperature range of RT to 180 °C, with precise temperature control (±1°C in water) and adjustable safety circuit. Large and easy to read digital LCD screen displays heating temperature, rotation speed and timing. Patented condenser with excellent cooling effect (cooling surface 1700 cm2). Motorized lift with quick-action, automatic release of evaporating flask to top position in case of power failure. Adjustable final position recognition to protect operator and sample against breakage. Evaporating flask with an ejector, easy to remove. Chemically resistant double PTFE system and patented pressure spring provide excellent sealing. External dimensions (mm): 583x465x457. Weight (Kg): 15. PC can control and document all parameters via RS232 interface (USB). 100-240 V / 50-60 Hz, insulation rating IP20 (DIN EN60529). Warranty 2 years. It is recommended to combine with the vacuum pump VACU-R20-001. The most suitable rubber tubing references are RUTT-008-002 for the vacuum and LTXT-007-005 for the condenser



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| REVA-180-001 | rotary evaporator, LBX EVA180 series | 1 | |



## ACCESSORIES AND SPARE PARTS FOR ROTARY EVAPORATORS

For the REVA-180-001 and REVB-180-001 rotary evaporators

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| REVA-A01-001 | set of vertical glassware, including condenser, evaporating flask (29/32) and receiving flask (35/20), 1000 ml | 1 | |
| REVA-A02-001 | receiving flask (35/20), 1000 ml | 1 | |
| REVA-A03-001 | vapor tube (29/32) | 1 | |
| REVA-A04-001 | vacuum seal | 1 | |
| REV5-001-001 | distilling spider for 5 flasks; socket size (female) 29/32, cone size (male) 24/29 | 1 | |



## RECIRCULATING CHILLER, RC-1

This device offers a solution to a wide range of cooling needs in laboratories and industrial applications. It offers a cost-effective and environmentally friendly alternative to the use of tap water. The device can be used with different equipment that requires refrigerant-based condensation: rotary evaporators, distillation equipment, Soxhlet apparatus for extraction, Clevenger equipment, etc. The device is equipped with wheels and a refrigerant level indicator in the tank. It uses the refrigerant R-290 (with low environmental impact). It is recommended to use it with a 5 % glycol mixture in water. It allows the simultaneous connection of up to three different devices. Compliant with DIN 12876-2 standard. 230 V / 50 Hz. 2-year warranty

| reference | capacity | ext. dim. (l x w x h) | temperature range | temperature stability | power | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| CHIL-040-001 | 40 L | 460 x 475 x 740 mm | -7 ... +25 °C | ±1 °C | 848 W | 1 | |



## WATER VACUUM PUMP WITH CHECK VALVE

Integrated non-return valve. Made of borosilicate glass LBG 3.3

| reference | Ø connector (mm) | h (mm) | Ø side hose (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VPU3-018-001 | 18 | 150 | 9 | 1 | |

## CONNECTION KIT FOR WATER VACUUM PUMP

Allow to fix the water vacuum (VPU3-018-001) to the faucet



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| VPUA-001-001 | includes 30 cm of tube and 2 tubing ties | 1 | |



## WATER VACUUM PUMP WITH CHECK VALVE, POLYPROPYLENE

Integrated non-return valve. Can be dismantled easily for cleaning. Autoclavable at 121 °C. Dimensions: Øconnector: 13,5 mm, h: 190 mm, Øside hose: 9 mm

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| VPUP-001-001 | water vacuum pump, polypropylene | 1 | |
| Spare parts | | | |
| VPUP-A01-001 | spare tube connector | 1 | |

# VACUUM PUMPS: COMPARATIVE TABLE

| | LBX B | LBX V | | | LBX C | LBX R | |
|---|---|---|---|---|---|---|---|
| REFERENCES | **VACU-B10-001** | **VACU-V10-001** | **VACU-V20-001** | **VACU-V50-001** | **VACU-C10-001** | **VACU-R10-001** | **VACU-R20-001** |
| TYPE | Membrane | Diaphragm | | | Membrane | Membrane | |
| FLOW RATE | 10 l/min | 18 l/min | 20 l/min | 90 l/min | 20 l/min | 18 l/min | 18 l/min |
| MAXIMUM VACUUM | 0.075 Mpa | 120 mbar | 40 mbar | 85 mbar | 99 mbar | 99 mbar | 10 mbar |
| MAXIMUM POWER | 20 W | 60 W | 80 W | 250 W | 60 W | 60 W | 90 W |
| CHEMICAL RESISTANCE | Low | Low | | | Intermediate | High | |
| NEED FOR LUBRICATING OIL | No | No | No | No | No | No | No |
| VACUUM GAUGE INCLUDED | Yes | Yes | | | Yes | No (VACU-S06-001) | |
| TUBING | Ø 6 mm (RUTT-006-002) | Ø 8 mm (RUTT-008-002) | | | Ø 8 mm (RUTT-008-002) | Ø 8 mm (RUTT-008-002) | |
| APPLICATION EXAMPLES | Simple filtrations | Vacuum filtrations, suspended solid testing, air sampling | | | Vacuum filtrations, solvent purifications | Rotary evaporators | |

## HAND OPERATED VACUUM PUMP

Made of high impact polystyrene. Can achieved a vacuum of up to 652 mm Hg pumping manually. It can be used as a pressure pump. With hose connector for tubing with Øint 6 mm, for example Ref. RUTT-006-002

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| VACU-H01-001 | without vacuum gauge | 1 | |
| VACU-H02-001 | with vacuum gauge | 1 | |



## VACUUM PUMP, LBX B

Basic laboratory product for occasional use. Compact and light weight. 100% oil-free transfer, clean and maintenance free. Adjustable vacuum. Vacuum gauge included. Silent running (<40 dB). Suitable for prolonged use (24 h). Overload protection, over-temperature protection, short circuit protection. Connector for tube Ø 6 mm. External dimensions (L x W x H): 192 x 100 x 135 mm. 100-240 V / 50-60 Hz. 2-year warranty

| reference | flow rate at atm. pres. | max. vacuum | max. power | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VACU-B10-001 | 10 L/min | 750 mbar (0,075 MPa) | 20 W | 1 | |





## VACUUM PUMP, LBX V

For filter units, filtering flasks, desiccators and other laboratory applications. Compact and light weight. Piston powered vacuum pump, 100% oil-free transfer, clean and maintenance free. Adjustable vacuum. Vacuum gauge included. Silent running (50 dB). Overheating protection and overflow protection to prevent liquid from being sucked into the pump. Connector for tube Ø 8 mm. Motor rotation: 1450 rpm. 220V/50Hz. Warranty 2 years. It is recommended to combine vacuum pumps with a vacuum trap, essential in those cases where you work with a filter manifold

| reference | flow rate at atm. pres. | max. vacuum | max. power | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| VACU-V10-001 | 18 l/min | 120 mbar / 670 mmHg | 60 W | 270 x 140 x 200 mm | 1 | |
| VACU-V20-001 | 20 l/min | 40 mbar / 730 mmHg | 80 W | 310 x 140 x 200 mm | 1 | |
| VACU-V50-001 | 90 l/min | 85 mbar / 695 mmHg | 250 W | 350 x 130 x 210 mm | 1 | |



## VACUUM PUMP WITH PTFE-COATING, LBX C

With a PTFE-coated diaphragm and a pump head with FKM valves, which makes it an efficient and affordable option for applications that involve mildly reactive gases, such as solvent purifications, SPE and vacuum filtrations. 100% oil-free transfer, clean and maintenance free. Silent running (50 dB). Connector for tube Ø 8 mm. Overheat protection. 220V/50Hz. 2-year warranty. It is recommended to combine with a vacuum trap, essential in those cases where you work with a filter manifold

| reference | flow rate at atm. pres. | max. vacuum | max. power | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| VACU-C10-001 | 20 l/min | 99 mbar / 685 mmHg | 60 W | 290 x 140 x 200 mm | 1 | |



## CHEMICALLY RESISTANT VACUUM PUMP, LBX R

Chemically-resistant pump therefore suitable for highly aggressive or corrosive gases and vapours because all wetted parts are made of PTFE material. For filter units, SPE, gel electrophoresis, rotary evaporator (only VACU-R20-001). Compact and light weight. 100% oil-free transfer, clean and maintenance free. Silent running (50 dB). Connector for tube Ø 8 mm. Thermal protection. Motor rotation: 1450 rpm. 220V/50Hz. Warranty 2 years. It is recommended to combine with a vacuum trap, essential in those cases where you work with a filter manifold

| reference | flow rate at atm. pres. | max. vacuum | max. power | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| VACU-R10-001 | 18 l/min | 99 mbar / 685 mmHg | 60 W | 200 x 110 x 210 mm | 1 | |
| VACU-R20-001 | 18 l/min | 10 mbar / 752 mmHg | 90 W | 260 x 150 x 180 mm | 1 | |



## POLYCARBONATE VACUUM TRAP

Collecting recipient which prevents contaminants from migrating into the vacuum pump and vapors from being emitted back into the laboratory system. Made of resistant PC plastic. Not indicated for use with organic solvents. With entrance and exit ports for connecting tubes

| reference | capacity | dimensions (length x width x height) | connector for tube | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VTRA-01L-001 | 1 L | 14 x 15 x 23 cm | Ø 9,4 mm | 1 | |
| VTRA-02L-001 | 2 L | 14 x 15 x 33 cm | Ø 9,4 mm | 1 | |
| VTRA-04L-001 | 4 L | 23 x 17 x 34 cm | Ø 10,4 mm | 1 | |

## ACCESSORIES AND SPARE PARTS FOR VACUUM PUMPS LBX

See other spare parts available for these vacuum pumps on our website

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| VACU-S01-001 | repair kit for VACU-V10 | 1 | |
| VACU-S02-001 | repair kit for VACU-V20 | 1 | |
| VACU-S03-001 | repair kit for VACU-R10 | 1 | |
| VACU-S04-001 | repair kit for VACU-R20 | 1 | |
| VACU-S05-001 | prote™ filter cartridge (overflow protection) for VACU-V10 and V20 | 1 | |
| VACU-S06-001 | glass moisture trap / vacuum regulator for VACU-R10 and R20 | 1 | |
| VACU-S08-001 | glass moisture trap / vacuum regulator for VACU-V10 and V20 | 1 | |
| VACU-S10-001 | muffler (air outlet) for VACU-V10 and V20 | 1 | |
| VACU-S13-001 | glass moisture trap / vacuum regulator for VACU-V40 and V50 | 1 | |
| VACU-S14-001 | filter cartridge (overflow protection) for VACU-V40 and V50 | 1 | |
| VACU-S16-001 | hose barb, 1/8 PT, 5/16 in.(8mm) for VACU-V10, V20, V40 and V50 | 1 | |
| VACU-S17-001 | hose barb, 1/8 PT, 4/16 in.(6.4mm) for VACU-V10, V20 and V40 | 1 | |
| VACU-S18-001 | hose barb for VACU-R10 and R20 | 1 | |
| VACU-S19-001 | repair kit for VACU-V50 | 1 | |
| VACU-S20-001 | repair kit for VACU-C10 | 1 | |
| VACU-S21-001 | glass moisture trap / vacuum regulator for VACU-C10 | 1 | |
| VACU-A01-001 | hoop holder for VACU-V10, VACU-V20 and VACU-C10 | 1 | |



## DESKTOP WATER PURIFICATION SYSTEM, MICROMATIC SERIES

To obtain Type II Analytical Water from tap water in a more ecological and economical way. Production flow: 2.5 l / h. Conductivity <1 µS/cm. Reverse Osmosis performance 95- 99 %. Silica removal > 99 %. Microprocessor control that allows monitoring through the digital display the quality of the filtered water, the status of the equipment and the need for fungible change. Quick and easy maintenance without periodic cleaning with acids. Optional 25 liter tank equipped with a dispensing tap. The equipment is delivered calibrated from factory (SGC ISO9001). Equipped with cartridge kit. Installation not included. 100-240V / 50-60Hz. External dimensions (l x w x h): 40 x 25 x 45 cm. Operating equipment weight: 9 kg. See the requirements for the installation of the system on our website. 2-year warranty. Delivery time: 10- 20 days

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| WPSY-001-001 | Micromatic with 25 L tank | 1 | |
| WPSY-002-001 | Micromatic without tank | 1 | |
| Spare parts | | | |
| WPSY-A01-002 | pretreatment cartridge to treat 600 L of water | 2 | |
| WPSY-A02-002 | water type II resin cartridge to treat 1500 L of water | 2 | |
| WPSY-A03-001 | osmosis cartridge 3 l/h | 1 | |



## RUBBER VACUUM TUBING

Natural rubber, red



| reference | Ø inside (mm) | Ø outer (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| RUTT-004-002 | 4 | 10 | for 4/5 hose | 2 m | |
| RUTT-006-002 | 6 | 16 | for 8/9 hose | 2 m | |
| RUTT-008-002 | 8 | 16 | for 9/10 hose | 2 m | |
| RUTT-010-002 | 10 | 22 | for 12/13 hose | 2 m | |
| “Saving package” | | | | | |
| RUTT-004-010 | 4 | 10 | for 4/5 hose | 10 m | |
| RUTT-006-010 | 6 | 16 | for 8/9 hose | 10 m | |
| RUTT-008-010 | 8 | 16 | for 9/10 hose | 10 m | |
| RUTT-010-010 | 10 | 22 | for 12/13 hose | 10 m | |

## SILICONE TUBING, TRANSLUCENT

For lab applications where liquids must be transferred. Service temperature from -60 up to +200 °C. Certificate of biocompatibility USP Class VI. Meets FDA and BgVV positive lists



| reference | Ø inside (mm) | Ø outer (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SILT-001-005 | 1 | 3 | 5 m | |
| SILT-002-005 | 2 | 4 | 5 m | |
| SILT-004-005 | 4 | 8 | 5 m | |
| SILT-006-005 | 6 | 10 | 5 m | |
| SILT-008-005 | 8 | 12 | 5 m | |
| SILT-010-005 | 10 | 14 | 5 m | |
| SILT-012-005 | 12 | 16 | 5 m | |
| SILT-014-005 | 14 | 20 | 5 m | |
| SILT-016-005 | 16 | 20 | 5 m | |
| “Saving package” | | | | |
| SILT-001-025 | 1 | 3 | 25 m | |
| SILT-002-025 | 2 | 4 | 25 m | |
| SILT-004-025 | 4 | 8 | 25 m | |
| SILT-006-025 | 6 | 10 | 25 m | |
| SILT-008-025 | 8 | 12 | 25 m | |
| SILT-010-025 | 10 | 14 | 25 m | |
| SILT-012-025 | 12 | 16 | 25 m | |
| SILT-014-025 | 14 | 20 | 25 m | |
| SILT-016-025 | 16 | 20 | 25 m | |

## MOHR’S TUBING CLIP

Nickel plated steel. To keep a tubing completely closed or open



| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MOTC-070-005 | 70 | max. opening: 10 mm | 5 | |

## PTFE TUBING

Excellent chemical and thermal resistance (from-200 to 260 °C)

| reference | Ø inside (mm) | Ø outer (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TEFT-002-005 | 2 | 4 | 5 m | |
| TEFT-004-005 | 4 | 6 | 5 m | |
| TEFT-006-005 | 6 | 8 | 5 m | |
| TEFT-008-005 | 8 | 10 | 5 m | |
| TEFT-010-005 | 10 | 12 | 5 m | |



## LATEX TUBING

Amber colour. For lab applications where liquids must be transferred

| reference | Ø inside (mm) | Ø outer (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| LTXT-004-005 | 4,5 | 9 | for 4/5 hose | 5 m | |
| LTXT-007-005 | 7 | 10 | for 8/9 hose | 5 m | |
| LTXT-008-005 | 8 | 12 | for 10 hose | 5 m | |
| LTXT-010-005 | 10 | 14 | for 12/13 hose | 5 m | |
| LTXT-012-005 | 12 | 18 | for 15/16 hose | 5 m | |
| LTXT-014-005 | 14 | 20 | for 16 hose | 5 m | |
| “Saving package” | | | | | |
| LTXT-004-025 | 4,5 | 9 | for 4/5 hose | 25 m | |
| LTXT-007-025 | 7 | 10 | for 8/9 hose | 25 m | |
| LTXT-008-025 | 8 | 12 | for 10 hose | 25 m | |
| LTXT-010-030 | 10 | 14 | for 12/13 hose | 30 m | |
| LTXT-012-025 | 12 | 18 | for 15/16 hose | 25 m | |
| LTXT-014-020 | 14 | 20 | for 16 hose | 20 m | |



## RATCHET TUBING CLIP, PP

With a five positions ratchet system to regulate the liquid flow. For Ø 0,5 mm a Ø 9,5 mm tubing. Autoclavable at 121°C

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| RATC-001-012 | max. opening: 95 mm | 12 | |



## HOSE CLAMP

Made of stainless steel

| reference | Ø | pcs/ pack | price/ pack |
|---|---|---|---|
| HOSS-010-005 | 10 - 17 mm | 5 | |
| HOSS-012-005 | 12 - 20 mm | 5 | |
| HOSS-015-005 | 15 - 25 mm | 5 | |





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## LABORATORY TRAY

Made of polypropylene. Autoclavable at 121°C

| reference | l (mm) | w (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| TRYP-001-001 | 375 | 300 | 75 | 1 | |
| TRYP-002-001 | 450 | 350 | 75 | 1 | |



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## LABORATORY TRAY FOR BOTTLES

Made of polypropylene. With handle. Autoclavable at 121°C

| reference | l (mm) | w (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| TRYP-003-001 | 380 | 240 | 115 | 1 | |



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## DEEP TRAY, PVC

For general laboratory use. Made of polyvinil chloride (PVC). Stackable

| reference | int. dim. (L x W x H) | ext. dim. (L x W x H) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TRYV-001-001 | 200 x 150 x 45 mm | 245 x 195 x 50 mm | 1 | |
| TRYV-002-001 | 250 x 200 x 60 mm | 305 x 250 x 65 mm | 1 | |
| TRYV-003-001 | 320 x 260 x 70 mm | 385 x 325 x 75 mm | 1 | |
| TRYV-004-001 | 350 x 300 x 80 mm | 420 x 375 x 85 mm | 1 | |
| TRYV-005-001 | 430 x 330 x 90 mm | 505 x 405 x 95 mm | 1 | |
| TRYV-006-001 | 520 x 420 x 90 mm | 600 x 495 x 100 mm | 1 | |
| TRYV-007-001 | 675 x 530 x 100 mm | 765 x 620 x 110 mm | 1 | |
| TRYV-008-001 | 540 x 420 x 180 mm | 635 x 515 x 190 mm | 1 | |



clink

## INSTRUMENTS TRAY

Made of stainless steel grade 304

| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| TRYS-015-001 | 150 x 100 x 30 mm | 1 | |
| TRYS-020-001 | 200 x 150 x 35 mm | 1 | |
| TRYS-030-001 | 300 x 200 x 40 mm | 1 | |
| TRYS-035-001 | 350 x 250 x 50 mm | 1 | |
| TRYS-045-001 | 450 x 350 x 50 mm | 1 | |



clink

## INSTRUMENTS TRAY, FLAT

Made of stainless steel grade 304

| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| TRYS-S22-001 | 225 x 150 x 15 mm | 1 | |
| TRYS-S28-001 | 285 x 150 x 18 mm | 1 | |
| TRYS-S45-001 | 450 x 350 x 20 mm | 1 | |

## INSTRUMENTS BOX

clink

With lid and handle. Stainless steel grade 304

| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| IBOX-020-001 | 200 x 100 x 50 mm | 1 | |
| IBOX-030-001 | 300 x 200 x 60 mm | 1 | |
| IBOX-040-001 | 400 x 200 x 80 mm | 1 | |



## INSTRUMENT BOX WITH COVER, PP

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The lid fits into the slot to prevent splashing. Ideal for storage, immersion of pipettes in disinfectant solution and sterilisation of small instruments. Stackable

| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| IBOP-022-001 | 225 x 150 x 70 mm | 1 | |
| IBOP-045-001 | 450 x 150 x 70 mm | 1 | |



## LABORATORY BOWL

clink

Rimmed edge and flat bottom. Made of stainless steel grade 304

| reference | capacity | $Ø_{top}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| WBSS-160-001 | 1 L | 160 | 1 | |
| WBSS-220-001 | 2 L | 220 | 1 | |
| WBSS-240-001 | 3 L | 240 | 1 | |
| WBSS-270-001 | 5 L | 270 | 1 | |
| WBSS-300-001 | 6 L | 300 | 1 | |
| WBSS-320-001 | 8 L | 320 | 1 | |



## CRUCIBLE TONGS, STRAIGHT MODEL

clink

Made of stainless steel

| reference | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| CRTS-150-002 | 150 | 2 | |
| CRTS-200-002 | 200 | 2 | |
| CRTS-250-002 | 250 | 2 | |
| CRTS-300-002 | 300 | 2 | |
| CRTS-400-002 | 400 | 2 | |
| CRTS-500-002 | 500 | 2 | |



## CRUCIBLE TONGS WITH HEAT PROTECTION

clink

Made of 410 SS. Robust, with a sturdy heat protector on the handle. Autoclavable

| reference | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| CRTM-30P-001 | 300 | 1 | |



## CRUCIBLE TONGS, MEDIUM BOW

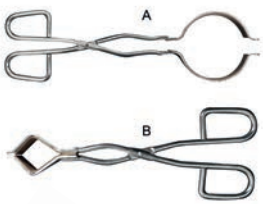
Made of stainless steel



| reference | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| CRTM-150-002 | 150 | 2 | |
| CRTM-200-002 | 200 | 2 | |
| CRTM-250-002 | 250 | 2 | |
| CRTM-300-002 | 300 | 2 | |
| CRTM-400-002 | 400 | 2 | |
| CRTM-500-002 | 500 | 2 | |

## BOW SHAPE TONGS FOR CONTAINERS

Available in two models: suitable for beakers from 250 to 1500 ml and for flasks from 100 to 2000 ml. Both with cork lined jaws improving the insulation




| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| BKTW-300-002 | 300 | for beakers (A) | 2 | |
| FLTW-250-002 | 250 | for flasks (B) | 2 | |

## SPATULA WITH SPOON

121°

Made of stainless steel



| reference | l (mm) | $w_{spatula}$ (mm) | spoon capacity (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SPSS-120-005 | 120 | 15 | 1,8 | 5 | |
| SPSS-150-005 | 150 | 18 | 1,8 | 5 | |
| SPSS-175-005 | 175 | 17 | 1,8 | 5 | |
| SPSS-210-005 | 210 | 20 | 1,8 | 5 | |

## SPATULA WITH SPOON, *PREMIUM LINE*

121°

Made of stainless steel grade 304. Autoclavable



| reference | l (mm) | $w_{spatula}$ (mm) | spoon capacity (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SPPL-P12-003 | 120 | 21,3 | 2 | 3 | |
| SPPL-P15-003 | 150 | 22 | 3 | 3 | |
| SPPL-P18-003 | 180 | 26 | 4 | 3 | |
| SPPL-P21-003 | 210 | 26 | 4 | 3 | |
| SPPL-P25-003 | 250 | 32 | 6 | 3 | |
| SPPL-P30-003 | 300 | 40 | 10 | 3 | |

## SPATULA, POLYAMIDE

Made of polyamide (PA), reinforced glass fiber



| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SPSA-D15-012 | 150 | spatula-spatula | 12 | |
| SPSA-D18-012 | 180 | spatula-spatula | 12 | |

## SPATULA WITH SPOON, POLYPROPYLENE

Autoclavable at 121 °C

| reference | l (mm) | $w_{spatula}$ (mm) | spoon capacity (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SPSP-150-005 | 150 | 21 | 1 | 5 | |
| SPSP-200-005 | 200 | 22 | 1,5 | 5 | |

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## PORCELAIN SPATULA WITH SPOON

Made of porcelain, withstands temperatures up to 1150 °C. Glazed

| reference | l (mm) | $w_{spatula}$ (mm) | spoon capacity (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| PSWS-123-001 | 123 | 14 | 0,3 | 1 | |
| PSWS-165-001 | 165 | 17 | 0,5 | 1 | |
| PSWS-195-001 | 195 | 20 | 1 | 1 | |

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## DOUBLED CURVED-END SPATULA

Made of stainless steel

| reference | l (mm) | $w_{spatula}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SPDS-130-005 | 130 | 11 | 5 | |
| SPDS-150-005 | 150 | 11 | 5 | |
| SPDS-180-005 | 180 | 11 | 5 | |
| SPDS-210-005 | 210 | 11 | 5 | |

clink



## SPATULA, CHATTAWAY

Made of stainless steel

| reference | l (mm) | $w_{spatula}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SPCS-150-005 | 150 | 6 | 5 | |
| SPCS-200-005 | 200 | 7 | 5 | |

clink



## SPATULA CHATTAWAY *PREMIUM LINE*

Made of stainless steel grade 304. Autoclavable

| reference | l (mm) | $w_{spatula}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SPPS-P13-003 | 130 | 9 | 3 | |
| SPPS-P15-003 | 150 | 9 | 3 | |
| SPPS-P18-003 | 180 | 9 | 3 | |
| SPPS-P20-003 | 200 | 10 | 3 | |
| SPPS-P25-003 | 250 | 10 | 3 | |

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## SPATULA, TRULLA

Made of stainless steel

| reference | l (mm) | $w_{spatula}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SPTS-001-005 | 170 | 22 | 5 | |



## GROOVED SPATULA *PREMIUM LINE*

Made of stainless steel grade 304. Autoclavable

| reference | l (mm) | $w_{spatula}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SPGS-150-005 | 150 | 9,6 | 5 | |
| SPGS-180-005 | 180 | 9,6 | 5 | |
| SPGS-200-005 | 200 | 10 | 5 | |
| SPGS-250-005 | 250 | 10 | 5 | |



## MORTAR SPATULA *PREMIUM LINE*

Made of stainless steel grade 304. Autoclavable

| reference | l (mm) | $w_{spatula}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SPHS-150-001 | 150 | 19,5 | 1 | |
| SPHS-180-001 | 180 | 19,5 | 1 | |
| SPHS-250-001 | 250 | 25 | 1 | |



## LABORATORY PHARMA SCRAPER

Made of AISI 316 stainless steel stainless steel. highly resistant to corrosion. Polished finish for easy cleaning. Autoclavable. Ergonomic handle ensures safe handling, allowing scraping, removing, cutting, separating, and preparing materials

| reference | $l_{total}$ (mm) | blade width (mm) | blade (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SCSS-230-001 | 230 | 75 | 130 | 1 | |
| SCSS-270-001 | 270 | 100 | 150 | 1 | |



## MICRO SPATULE WITH SPOON

Made of stainless steel

| reference | l (mm) | $w_{spatula}$ (mm) | spoon capacity (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SPNS-150-005 | 150 | 5,7 | 0,1 | 5 | |
| SPNS-200-005 | 200 | 5,7 | 0,1 | 5 | |



## SPATULA, MICRO, CHATTAWAY

Made of stainless steel

| reference | l (mm) | $w_{spatula}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SPMS-100-005 | 100 | 3,5 | 5 | |
| SPMS-150-005 | 150 | 4 | 5 | |
| SPMS-200-005 | 200 | 4 | 5 | |

## MICRO-SCOOP AND MICRO-SPATULA *PREMIUM LINE*

Made of stainless steel grade 304. Autoclavable

clink



| reference | l (mm) | $w_{spatula}$ (mm) | spoon capacity (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SCNS-150-005 | 150 | 5,1 | 0,2 | 5 | |
| SCNS-180-005 | 180 | 5,1 | 0,2 | 5 | |
| SCNS-210-005 | 210 | 5,1 | 0,2 | 5 | |

## SPATULA WITH WOODEN HANDLE

Flexible stainless steel blade

clink

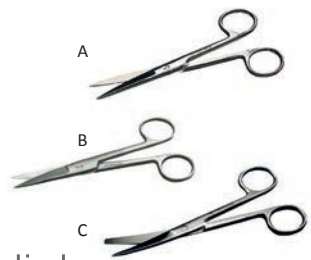


| reference | blade (mm) | handle (mm) | blade width (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SPWS-100-001 | 100 | 100 | 20 | 1 | |
| SPWS-150-001 | 150 | 100 | 25 | 1 | |
| SPWS-200-001 | 200 | 100 | 25 | 1 | |
| SPWS-250-001 | 250 | 100 | 35 | 1 | |
| SPWS-300-001 | 300 | 100 | 35 | 1 | |

## SCISSORS

Made of stainless steel. Not suitable for autoclaving

clink

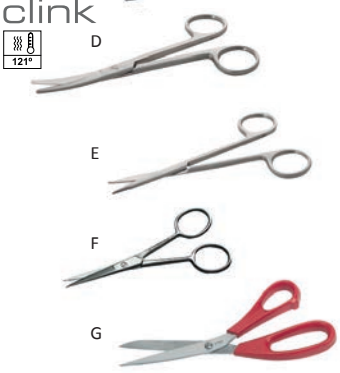



| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SCIS-14A-001 | 145 | dissection straight, pointed/pointed (A) | 1 | |
| SCIS-14B-001 | 145 | dissection straight, pointed/blunt (B) | 1 | |
| SCIS-14C-001 | 145 | dissection straight, blunt/blunt (C) | 1 | |
| SCIS-14D-001 | 140 | dissection Mayo curved, pointed/pointed (D) | 1 | |
| SCIS-13E-001 | 130 | dissection Iris straight, pointed/pointed (E) | 1 | |
| SCIS-115-001 | 115 | microscopy straight, pointed/pointed (F) | 1 | |
| SCIS-220-001 | 220 | for general use, with PVC handle (G) | 1 | |

## SCISSORS *PREMIUM LINE*

Made of stainless steel grade 410. Autoclavable

clink




| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SCIP-14A-001 | 145 | dissection straight, pointed/pointed (A) | 1 | |
| SCIP-14B-001 | 145 | dissection straight, pointed/blunt (B) | 1 | |
| SCIP-14C-001 | 145 | dissection straight, blunt/blunt (C) | 1 | |
| SCIP-14D-001 | 140 | dissection Mayo curved, pointed/pointed (D) | 1 | |
| SCIP-13E-001 | 130 | dissection Iris, straight, pointed/pointed (E) | 1 | |
| SCIP-130-001 | 130 | microscopy straight, pointed/pointed (F) | 1 | |
| SCIP-200-001 | 200 | for general use, with PVC handle (G) | 1 | |

clink

## DISPOSABLE SCALPEL

Single packed, stainless steel blade fitted on plastic handle. Free sterilization certificate available on the website

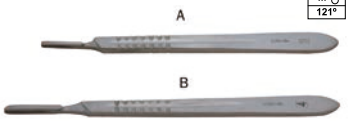


| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SCAS-010-010 | size 10, sterile | 10 | |
| SCAS-011-010 | size 11, sterile | 10 | |
| SCAS-015-010 | size 15, sterile | 10 | |
| SCAS-023-010 | size 23, sterile | 10 | |
| SCAS-024-010 | size 24, sterile | 10 | |

clink

## SCALPEL HANDLE

In stainless steel grade 410. Reusable and autoclavable, can be combined with our reference SCBL




| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SCHA-003-001 | 125 | for blade nº 10, 11, 15 (A) | 1 | |
| SCHA-004-001 | 140 | for blade nº 21, 22, 23, 24 (B) | 1 | |

KRAPE S.A.

## SCALPEL BLADES, STERILE

Individually packed in sturdy aluminium packaging. Sterile by gamma rays. Compatible with our references SCHA-003-001 and SCHA-004-001. Free sterilization certificate available on the website

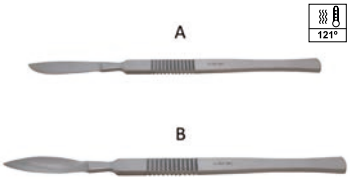


| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SCBL-010-100 | blade nº 10 | 100 | |
| SCBL-011-100 | blade nº 11 | 100 | |
| SCBL-015-100 | blade nº 15 | 100 | |
| SCBL-021-100 | blade nº 21 | 100 | |
| SCBL-022-100 | blade nº 22 | 100 | |
| SCBL-023-100 | blade nº 23 | 100 | |
| SCBL-024-100 | blade nº 24 | 100 | |

clink

## SCALPEL WITH BLADE *PREMIUM LINE*

In stainless steel grade 410. Reusable and autoclavable

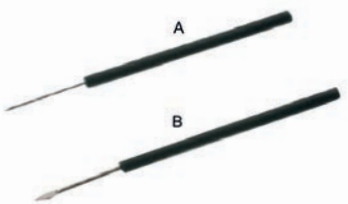



| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SCAL-P01-001 | 150 | un bord courbe, pointe acérée (A) | 1 | |
| SCAL-P02-001 | 160 | two curved edges, sharp tip (B) | 1 | |

clink

## DISSECTION NEEDLE

Stainless steel needle with plastic handle




| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| DISS-001-005 | pointed needle (A) | 5 | |
| DISS-002-005 | with blade (B) | 5 | |

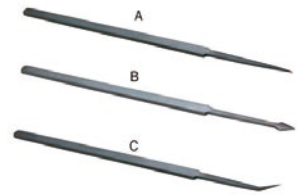
## DISSECTING NEEDLES *PREMIUM LINE*

made of stainless steel grade 410. Autoclavables

clink

121°

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| DISS-P01-003 | pointed needle (A) | 3 | |
| DISS-P02-003 | with blade (B) | 3 | |
| DISS-P03-003 | curved (C) | 3 | |
| DISS-KIT-003 | pointed, with blade and curved (A, B and C) | 3 | |




## DISSECTING KITS *PREMIUM LINE*

Stainless steel instrument kit, presented in a black case with zip closure. Two different models with the essential elements for dissection and laboratory. The 6-piece dissection kit case includes: SCIP-130-001, FORS-001-002, DISS-P01-003, DISS-P02-003, DISS-P03-003, SCAL-P01-001. The 10 piece lab kit case includes: SCIP-14A-001, SCIP-14B-001, FORS-001-002, FORS-007-002, SCAL-P01-001, SPPL-P12-003, SCNS-150-005, SPPS-P13-003, SPGS-150-005 and DISS-P01-003. Instruments made of autoclavable stainless steel

clink

| reference | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| DISK-006-001 | 175 x 110 x 25 mm | dissecting instruments | 1 | |
| DISK-010-001 | 175 x 130 x 25 mm | laboratory equipment | 1 | |
| DISK-E10-001 | 175 x 130 x 25 mm | empty case | 1 | |



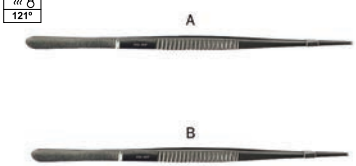
## LONG LABORATORY FORCEPS

Made of stainless steel grade 410

clink

121°

| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| FORS-L01-001 | 300 | straight wide tips (A) | 1 | |
| FORS-L02-001 | 300 | straight fine tips (B) | 1 | |




## LABORATORY FORCEPS

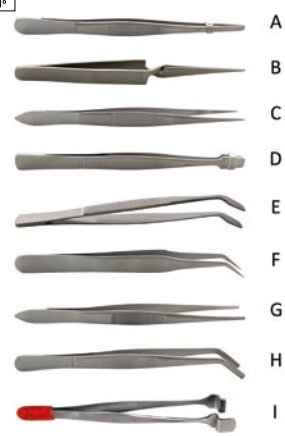
Made of stainless steel grade 410

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NEW

121°

| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| FORS-001-002 | 125 | straight end (A) | 2 | |
| FORS-002-002 | 120 | fine tips, spring (B) | 2 | |
| FORS-003-002 | 130,6 | fine tips (C) | 2 | |
| FORS-004-002 | 110 | wide end (D) | 2 | |
| FORS-006-002 | 115 | for cover-glasses and membranes (E) | 2 | |
| FORS-007-002 | 130 | fine tips, bent (F) | 2 | |
| FORS-008-002 | 130 | straight with teeth 1:2 (G) | 2 | |
| FORS-009-002 | 115 | curved round tips (H) | 2 | |
| FORS-010-002 | 125 | wide tip for filter paper (I) | 2 | |






## LABORATORY FORCEPS, PTFE COATED

Made of type 410 stainless steel with PTFE coating

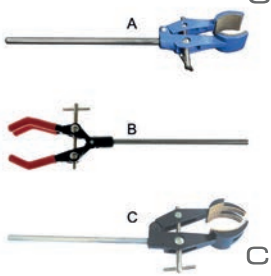
| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| FOST-001-002 | straight end (A) | 2 | |
| FOST-003-002 | fine tips (B) | 2 | |
| FOST-007-002 | fine tips, bent (C) | 2 | |



## CHAIN CLAMP

For beakers and other big-diameter flasks. With stainless steel chain and spring

| reference | Ø (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| CHAS-001-001 | 80 - 150 | 1 | |




## RETORT CLAMP

Can hold 15 to 65 mm diameter objects

| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| RCL2-001-001 | 245 | 2 cork-lined prongs (A) | 1 | |
| RCL3-001-001 | 260 | 3 rubber sleeved prongs (B) | 1 | |
| RCL4-001-001 | 245 | 4 cork-lined prongs (C) | 1 | |



## RETORT CLAMP FOUR PRONGS *PREMIUM LINE*

Made of die-cast aluminum alloy. Opening from 0 to 80 mm

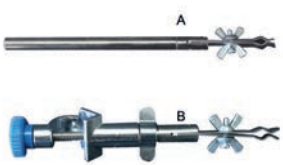
| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| RCP4-001-001 | 230 | 4 cork-lined prongs | 1 | |



## RETORT CLAMP *PREMIUM LINE*

Made of antiacid and anticorrosive die-cast aluminum alloy

| reference | Ø (mm) | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| RCP2-001-001 | 30 - 50 | 200 | 2 PVC sleeved prongs | 1 | |
| RCP2-002-001 | 50 - 80 | 220 | 2 PVC sleeved prongs | 1 | |
| RCP2-003-001 | 30 - 50 | 200 | 2 cork-lined prongs | 1 | |
| RCP2-004-001 | 50 - 80 | 220 | 2 cork-lined prongs | 1 | |




## THERMOMETER EXTENSION CLAMP

To hold thermometers, burettes and small diameter objects

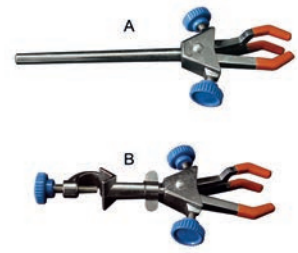
| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| THCL-001-001 | 200 | without bosshead (A) | 1 | |
| THCS-001-001 | 200 | with bosshead (B) | 1 | |

## THREE FINGER DOUBLE ADJUST CLAMP

clink

PVC coated prongs

| reference | Ø (mm) | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| Without bosshead (A) | | | | | |
| RCD3-035-001 | 0 - 35 | 220 | small | 1 | |
| RCD3-060-001 | 0 - 60 | 270 | large | 1 | |
| With bosshead (B) | | | | | |
| RDS3-035-001 | 0 - 35 | 180 | small | 1 | |
| RDS3-060-001 | 0 - 60 | 210 | large | 1 | |

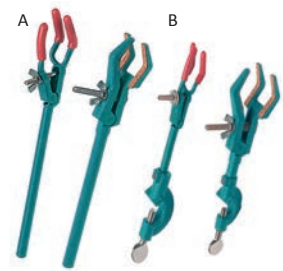



## RETORT CLAMP THREE PRONGS *PREMIUM LINE*

clink

Made of antiacid and anticorrosive light alloy

| reference | Ø (mm) | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| Without bosshead (A) | | | | | |
| RPD3-025-001 | 10 - 25 | 170 | PVC sleeved prongs | 1 | |
| RPD3-045-001 | 25 - 45 | 225 | cork-lined prongs | 1 | |
| With bosshead (B) | | | | | |
| RPS3-025-001 | 10 - 25 | 204 | PVC sleeved prongs | 1 | |
| RPS3-045-001 | 25 - 45 | 210 | cork-lined prongs | 1 | |




## OPEN RING RETORT SUPPORT WITH BOSSHEAD

clink

Made of chromium plated steel

| reference | Ø (mm) | $Ø_{inside}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| RROS-060-001 | 60 | 45 | 1 | |
| RROS-080-001 | 80 | 64 | 1 | |
| RROS-100-001 | 100 | 83 | 1 | |
| RROS-120-001 | 120 | 100 | 1 | |



## OPEN RING RETORT WITH BOSSHEAD *PREMIUM LINE*

clink

Painted iron with epoxy powder

| reference | $Ø_{inside}$ (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| RROP-050-001 | 50 | 120 | 1 | |
| RROP-070-001 | 70 | 130 | 1 | |
| RROP-085-001 | 85 | 140 | 1 | |
| RROP-115-001 | 115 | 160 | 1 | |
| RROP-135-001 | 135 | 175 | 1 | |
| RROP-150-001 | 150 | 195 | 1 | |





## clink | CLOSED RETORT RING WITH BOSSHEAD

Made of stout wire

| reference | Ø outer (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| RTRS-050-002 | 50 | 2 | |
| RTRS-075-002 | 75 | 2 | |
| RTRS-100-002 | 100 | 2 | |
| RTRS-125-002 | 125 | 2 | |
| RTRS-150-002 | 150 | 2 | |



## clink | RETORT STAND

Cast iron retort stand with rubber lining. Includes a chromium plated iron rod with diameter and height shown below

| reference | l base (mm) | w base (mm) | base weight (g) | Ø rod (mm) | h rod (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| RTSM-160-001 | 160 | 100 | 670 | 10 | 500 | 1 | |
| RTSM-200-001 | 200 | 125 | 1220 | 10 | 500 | 1 | |
| RTSM-250-001 | 250 | 160 | 1450 | 10 | 500 | 1 | |
| RTSM-300-001 | 310 | 200 | 1600 | 10 | 700 | 1 | |



## clink | RETORT STAND

Base made of painted steel with rubber pads. Includes a steel plated rod with diameter and height shown below

| reference | l base (mm) | w base (mm) | base weight (g) | Ø rod (mm) | h rod (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| RTMM-175-001 | 175 | 100 | 475 | 9 | 450 | 1 | |
| RTMM-225-001 | 225 | 125 | 775 | 10 | 500 | 1 | |
| RTMM-250-001 | 250 | 150 | 970 | 10 | 600 | 1 | |
| RTMM-300-001 | 300 | 150 | 1165 | 10 | 700 | 1 | |



## clink | RETORT STAND

Cast iron. Includes a 600 mm height chromium plated iron rod

| reference | l base (mm) | w base (mm) | base weight (g) | Ø rod (mm) | h rod (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| RTCM-200-001 | 200 | 140 | 860 | 10 | 600 | 1 | |



## clink | RETORT STAND *PREMIUM LINE*

Made of steel powder coated Epoxy acid proof. Includes an aluminium rod with diameter and height shown below

| reference | l base (mm) | w base (mm) | base weight (g) | Ø rod (mm) | h rod (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| RTSP-200-001 | 200 | 130 | 2500 | 10 | 500 | 1 | |
| RTSP-250-001 | 250 | 160 | 3500 | 12 | 600 | 1 | |
| RTSP-310-001 | 310 | 200 | 4800 | 12 | 800 | 1 | |

## TRIPOD STAND

Cast iron stand. Includes a 600 mm height chromium plated iron rod

| reference | $l_{base}$ (mm) | base weight (g) | $Ø_{rod}$ (mm) | $h_{rod}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TSTM-135-001 | 135 | 1700 | 10 | 600 | 1 | |




## TRIPOD STAND *PREMIUM LINE*

Painted cast iron stand. Includes a 600 mm height aluminium rod. The design provides greater stability

| reference | $l_{base}$ (mm) | base weight (g) | $Ø_{rod}$ (mm) | $h_{rod}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TSTP-141-001 | 140 | 1800 | 12 | 600 | 1 | |




## U-SHAPE STAND *PREMIUM LINE*

Made of cast iron painted and oven-dried with epoxy powder and rubber protectors. Includes aluminium rod of the indicated diameter and height

| reference | $l_{base}$ (mm) | base weight (g) | $Ø_{rod}$ (mm) | $h_{rod}$ (mm) | foot width int. (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| USSP-225-001 | 350 | 4000 | 12 | 600 | 225 | 1 | |
| USSP-295-001 | 480 | 8000 | 15 | 1000 | 295 | 1 | |




## RETORT STAND, H SHAPE

With a heavy metal stand, 3 vertical rods diameter (Ø) and height (h), 2 horizontal rods diameter (Ø) and length (l) shown below and 6 heads.

| reference | $Ø_{rod}$ (mm) | h (mm) | l (mm) | w (mm) | base weight (g) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| HSSM-010-001 | 10 | 800 | 530 | 250 | 6500 | 1 | |
| HSSM-012-001 | 12 | 800 | 530 | 250 | 6250 | 1 | |




## BOSSHEAD, FISHER TYPE

Suitable for rod diameters from 9 to 16 mm

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BOSF-001-004 | Fisher | 4 | |




## BOSSHEAD, FISHER TYPE *PREMIUM LINE*

Aluminium alloy with nickel-plated steel screws. Suitable for rod diameters up to 16 mm

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BOFP-001-001 | Fisher | 1 | |





## BOSSHEAD, SQUARED

Suitable for rod diameters up to 16 mm

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BOSS-001-004 | square | 4 | |



## BOSSHEAD, HIGH STRENGTH

Designed to withstand high loads. Suitable for rod diameters up to Ø19 mm

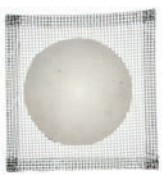
| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BOSH-001-001 | bosshead | 1 | |



## TRIPOD STAND CIRCULAR TOP

Cast iron top with zinc plated legs

| reference | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TRSC-175-001 | 125 | 175 | 1 | |
| TRSC-200-001 | 125 | 200 | 1 | |



## CERAMIC PLATE, IRON WIRE WITH CLAY CENTER

Without asbestos

| reference | $Ø_{ceramic}$ (mm) | l (mm) | w (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CPLS-100-001 | 70 | 100 | 100 | 1 | |
| CPLS-125-001 | 85 | 125 | 125 | 1 | |
| CPLS-150-001 | 100 | 150 | 150 | 1 | |
| CPLS-200-001 | 147 | 200 | 200 | 1 | |
| “Saving package” | | | | | |
| CPLS-100-020 | 70 | 100 | 100 | 20 | |
| CPLS-125-020 | 85 | 125 | 125 | 20 | |
| CPLS-150-020 | 100 | 150 | 150 | 20 | |
| CPLS-200-020 | 147 | 200 | 200 | 20 | |



## LABORATORY JACK

Made of aluminum

| reference | l (mm) | w (mm) | $h_{max.}$ (mm) | max. weight | hole dimensions | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| JACA-100-001 | 100 | 100 | 140 | 30 kg | does not have | 1 | |
| JACA-150-001 | 150 | 150 | 280 | 60 kg | M8x1,25 | 1 | |
| JACA-200-001 | 200 | 200 | 290 | 60 kg | M8x1,25 | 1 | |

## LABORATORY JACK, *PREMIUM LINE*

Made of anodised aluminium with stainless steel screw. The anodised coating makes it resistant to corrosion and scratching. Very robust and easy to clean

clink

121°



clink

| reference | l (mm) | w (mm) | $h_{max.}$ (mm) | max. weight | hole dimensions | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| JACP-120-001 | 120 | 140 | 240 | 10 kg | 5,7 - 6,6 mm | 1 | |

## GLASS TUBE CUTTER

Zinc alloy with nickel-chromium plated, with hardened steel cutting wheel

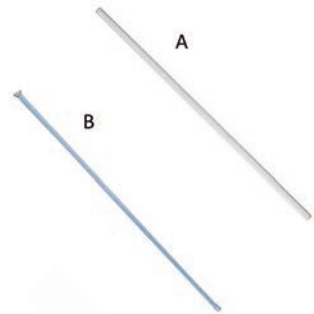


| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GTCM-030-001 | for up to 30 mm diameter tubes | 1 | |

## GLASS STIRRING ROD

bb

Glass stirring rod with round ends




| reference | Ø (mm) | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| Without spoon (A) | | | | | |
| STRN-150-005 | 7 | 150 | A | 5 | |
| STRN-200-005 | 7 | 200 | A | 5 | |
| STRN-300-005 | 7 | 300 | A | 5 | |
| STRN-400-005 | 9 | 400 | A | 5 | |
| With spoon (B) | | | | | |
| STRN-20S-005 | 6 | 200 | B | 5 | |

## PTFE STIRRING ROD

bb

PTFE coated steel core

121°



| reference | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| STRT-300-001 | 6 | 300 | 1 | |

## POLICEMAN STIRRING ROD, POLYPROPYLENE

bb

Autoclavable at 121 °C

121°



| reference | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| STRP-245-012 | 6 | 245 | 12 | |

Tools coated with PTFE (polytetrafluoroethylene) provide maximum chemical resistance, corrosion protection, and a non-stick surface that makes cleaning easier. Their durability and thermal stability make them ideal for handling aggressive reagents and for long-term use in demanding laboratory environments.



LBG

## REAGENT GRADUATED BOTTLE WITH ISO THREAD, BOROSILICATE 3.3

Made of borosilicate glass 3.3. Fully autoclavable at 134 °C. GL 45 thread, according to ISO 4796. With blue screw cap and pouring ring in polypropylene

| reference | capacity | Ø base (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| LBG3-100-010 | 100 ml | 56 | 100 | GL 45 | 10 | |
| LBG3-250-010 | 250 ml | 70 | 138 | GL 45 | 10 | |
| LBG3-500-010 | 500 ml | 86 | 176 | GL 45 | 10 | |
| LBG3-1K0-010 | 1000 ml | 101 | 225 | GL 45 | 10 | |
| LBG3-2K0-001 | 2000 ml | 135 | 260 | GL 45 | 1 | |



LBG

## GRADUATED BOTTLE WITH ISO THREAD, BOROSILICATE 3.3, LARGE FORMAT

Made of borosilicate glass 3.3. Fully autoclavable at 134°C. GL 45 thread, according to ISO 4796. With blue screw cap and pouring ring in polypropylene

| reference | capacity | Ø base (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SBG3-5K0-001 | 5000 ml | 186 | 330 | GL 45 | 1 | |
| SBG3-10K-001 | 10000 ml | 234 | 410 | GL 45 | 1 | |
| SBG3-20K-001 | 20000 ml | 299 | 505 | GL 45 | 1 | |



SIMAX

## GRADUATED BOTTLE WITH ISO THREAD, BOROSILICATE 3.3, AMBER

Made of amber borosilicate glass 3.3. Fully autoclavable at 134 °C. GL 45 thread, according to ISO 4796. With blue screw cap and pouring ring in polypropylene

| reference | capacity | Ø base (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SBGA-100-010 | 100 ml | 56 | 100 | GL 45 | 10 | |
| SBGA-250-010 | 250 ml | 70 | 138 | GL 45 | 10 | |
| SBGA-500-010 | 500 ml | 86 | 176 | GL 45 | 10 | |
| SBGA-1K0-010 | 1000 ml | 101 | 225 | GL 45 | 10 | |
| SBGA-2K0-001 | 2000 ml | 136 | 260 | GL 45 | 1 | |



LBG

NEW

## GRADUATED BOTTLE WITH ISO THREAD, MADE OF BOROSILICATE GLASS 3.3, WIDE MOUTH

Made of borosilicate glass 3.3. Fully autoclavable. GL80 thread, according to ISO 4796. Wide mouth for comfortable filling. Graduated. Includes drip-free ring and blue polypropylene cap

| reference | capacity | Ø base (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| LBW3-250-006 | 250 ml | 95 | 110 | GL 80 | 6 | |
| LBW3-500-006 | 500 ml | 101 | 153 | GL 80 | 6 | |
| LBW3-1K0-001 | 1000 ml | 101 | 223 | GL 80 | 1 | |
| LBW3-2K0-001 | 2000 ml | 136 | 253 | GL 80 | 1 | |

## GRADUATED BOTTLE WITH ISO THREAD GL80

SIMAX

Made of borosilicate glass 3.3. Fully autoclavable at 134 °C. GL 80 thread, according to ISO 4796. With blue screw cap and pouring ring in polypropylene

| reference | capacity | dimensions (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SBS3-500-010 | 500 ml | 94 x 94 | 141 | GL 80 | 10 | |
| SBS3-1K0-010 | 1000 ml | 105 x 105 | 187 | GL 80 | 10 | |
| SBS3-2K0-001 | 2000 ml | 115 x 115 | 260 | GL 80 | 1 | |
| SBS3-5K0-001 | 5000 ml | 160 x 160 | 357 | GL 80 | 1 | |



## GRADUATED BOTTLE WITH ISO THREAD GL80, AMBER

SIMAX

Made of amber borosilicate glass 3.3. Fully autoclavable at 134 °C. GL 80 thread, according to ISO 4796. With blue screw cap and pouring ring in polypropylene

| reference | capacity | dimensions (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SBSA-500-010 | 500 ml | 94 x 94 | 141 | GL 80 | 10 | |
| SBSA-1K0-010 | 1000 ml | 105 x 105 | 187 | GL 80 | 10 | |
| SBSA-2K0-001 | 2000 ml | 115 x 115 | 260 | GL 80 | 1 | |
| SBSA-5K0-001 | 5000 ml | 160 x 160 | 357 | GL 80 | 1 | |



## ACCESSORIES FOR LABORATORY BOTTLES WITH ISO THREAD

SIMAX

Caps and pouring rings of different colors for a better identification of the samples. PP caps and pouring rings have a thermal resistance up to 134 °C. PBTB caps with PTFE-coated silicone gasket and ETFE pouring rings can be used up to 200 °C, and have a higher chemical resistance than PP

| reference | screw | composition | description | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SBGP-A01-010 | GL 45 | PP | blue cap | 10 | |
| SBGP-A02-005 | GL 45 | PBTB/PTFE | red cap | 5 | |
| SBGP-A05-010 | GL 80 | PP | blue cap | 10 | |
| SBGP-A03-010 | GL 45 | PP | blue pouring ring | 10 | |
| SBGP-A04-005 | GL 45 | ETFE | red pouring ring | 5 | |
| SBGP-A06-010 | GL 80 | PP | blue pouring ring | 10 | |
| SBGP-A07-010 | GL 45 | PP | green cap | 10 | |
| SBGP-A08-010 | GL 45 | PP | orange cap | 10 | |
| SBGP-A09-010 | GL 45 | PP | yellow cap | 10 | |
| SBGP-A10-010 | GL 45 | PP | clear pouring ring | 10 | |



## GLASS JAR WITH SCREW CAP

LBG

Made of neutral glass LBG N. White lid

| reference | capacity | Ø (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TRTN-100-060 | 100 ml | 46 | 96 | TO43 | 60 | |
| TRTN-450-030 | 450 ml | 67 | 169 | TO63 | 30 | |
| TRTN-720-020 | 720 ml | 82 | 173 | TO77 | 20 | |
| TRTN-950-016 | 950 ml | 93 | 178 | TO77 | 16 | |






astiK's NEW

121°

## GRADUATED PP BOTTLE, WIDE MOUTH

Made of PP, with GL 45 screw cap, ensuring a secure closure. Good chemical resistance and autoclavable at 121 °C. Wide mouth allows easy filling of powders, pastes, particles, or liquids. Printed graduations. Ideal for reliable storage of solutions or samples

| reference | capacity | Ø base (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| LBPP-100-006 | 100 ml | 55 | 100 | GL 45 | 6 | |
| LBPP-250-006 | 250 ml | 64 | 135 | GL 45 | 6 | |
| LBPP-500-004 | 500 ml | 81 | 167 | GL 45 | 4 | |
| LBPP-1K0-002 | 1000 ml | 101,5 | 211 | GL 45 | 2 | |
| LBPP-2K0-001 | 2000 ml | 134,5 | 243 | GL 45 | 1 | |



astiK's

121°

## PTFE BOTTLE, WIDE MOUTH

With screw cap (included). Chemically inert and thermally stable,-200 °C to +280 °C

| reference | capacity | Ø (mm) | h (mm) | Ø mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRAT-025-001 | 25 ml | 33 | 61 | 19 | 1 | |
| FRAT-100-001 | 100 ml | 52 | 88 | 35 | 1 | |
| FRAT-250-001 | 250 ml | 67 | 115 | 42 | 1 | |



astiK's

BPA FREE

## WIDE MOUTH BOTTLE, HDPE

With black lid and insert plug

| reference | capacity | Ø (mm) | h (mm) | Ø mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TROP-060-010 | 60 ml | 57 | 45 | 46 | 10 | |
| TROP-125-010 | 125 ml | 59 | 70 | 46 | 10 | |
| TROP-250-010 | 250 ml | 67 | 98 | 62 | 10 | |
| TROP-500-010 | 500 ml | 80 | 132 | 62 | 10 | |
| TROP-750-005 | 750 ml | 99 | 119 | 86 | 5 | |
| TROP-1K0-005 | 1000 ml | 102 | 151 | 86 | 5 | |
| TROP-2K0-001 | 2000 ml | 118 | 227 | 86 | 1 | |
| “Saving package” | | | | | | |
| TROP-060-500 | 60 ml | 57 | 45 | 46 | 500 | |
| TROP-125-300 | 125 ml | 59 | 70 | 46 | 300 | |
| TROP-250-280 | 250 ml | 67 | 98 | 51 | 280 | |
| TROP-500-150 | 500 ml | 80 | 132 | 62 | 150 | |
| TROP-750-112 | 750 ml | 99 | 119 | 86 | 112 | |
| TROP-1K0-120 | 1000 ml | 102 | 151 | 86 | 120 | |
| TROP-2K0-064 | 2000 ml | 118 | 227 | 86 | 64 | |

## WIDE MOUTH BOTTLE, HDPE, ASEPTIC AND SINGLE FILM WRAPPED

With black lid and insert plug

astiK's



| reference | capacity | Ø (mm) | h (mm) | $Ø_{mouth}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TRAP-060-500 | 60 ml | 57 | 45 | 46 | 500 | |
| TRAP-125-300 | 125 ml | 59 | 70 | 46 | 300 | |
| TRAP-250-280 | 250 ml | 67 | 98 | 51 | 280 | |
| TRAP-500-150 | 500 ml | 80 | 132 | 62 | 150 | |
| TRAP-750-112 | 750 ml | 99 | 119 | 86 | 112 | |
| TRAP-1K0-120 | 1000 ml | 102 | 151 | 86 | 120 | |

## WIDE MOUTH BOTTLE, HDPE, OPAQUE

Bottle and lids are made in white opaque colour. Insert plug included

astiK's



| reference | capacity | Ø (mm) | h (mm) | $Ø_{mouth}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TRWP-060-010 | 60 ml | 57 | 45 | 46 | 10 | |
| TRWP-125-010 | 125 ml | 59 | 70 | 46 | 10 | |
| TRWP-250-010 | 250 ml | 67 | 98 | 51 | 10 | |
| TRWP-500-010 | 500 ml | 80 | 132 | 62 | 10 | |
| TRWP-750-005 | 750 ml | 99 | 119 | 85 | 5 | |
| TRWP-1K0-005 | 1000 ml | 102 | 151 | 86 | 5 | |

## TAMPER EVIDENT JAR

Leak-proof screw cap made of HDPE with security sealing. Body made of PP. Body and cap are made in white color. Ideal for solid sampling, stocking and transport

astiK's



| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| TRPP-050-020 | 50 ml | 35 | 50 | 20 | |
| TRPP-100-020 | 100 ml | 50 | 60 | 20 | |
| TRPP-250-020 | 250 ml | 65 | 85 | 20 | |
| TRPP-500-005 | 500 ml | 90 | 110 | 5 | |
| TRPP-1K0-005 | 1000 ml | 110 | 120 | 5 | |

## REAGENT BOTTLE CLEAR, NARROW MOUTH, WITH PE STOPPER

Made of 3.3 borosilicate glass (upper grade)



| reference | capacity | Ø (mm) | h (mm) | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| RBG1-250-001 | 250 ml | 71,5 | 129 | 19/26 | 1 | |
| RBG1-500-001 | 500 ml | 102,2 | 180 | 24/29 | 1 | |
| RBG1-1K0-001 | 1000 ml | 98,7 | 230 | 29/32 | 1 | |
| RBG1-2K0-001 | 2000 ml | 136 | 265 | 29/32 | 1 | |
| "Saving package" | | | | | | |
| RBG1-250-010 | 250 ml | 71,5 | 129 | 19/26 | 10 | |
| RBG1-500-010 | 500 ml | 102,2 | 180 | 24/29 | 10 | |
| RBG1-1K0-010 | 1000 ml | 98,7 | 230 | 29/32 | 10 | |




## REAGENT BOTTLE AMBER, NARROW MOUTH, WITH PE STOPPER

Made of 3.3 borosilicate glass (upper grade)

| reference | capacity | Ø (mm) | h (mm) | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| RBG2-250-001 | 250 ml | 71,5 | 129 | 19/26 | 1 | |
| RBG2-500-001 | 500 ml | 102,2 | 180 | 24/29 | 1 | |
| RBG2-1K0-001 | 1000 ml | 98,7 | 230 | 29/32 | 1 | |
| RBG2-2K0-001 | 2000 ml | 136 | 265 | 29/32 | 1 | |
| “Saving package” | | | | | | |
| RBG2-250-010 | 250 ml | 71,5 | 129 | 19/26 | 10 | |
| RBG2-500-010 | 500 ml | 102,2 | 180 | 24/29 | 10 | |
| RBG2-1K0-010 | 1000 ml | 98,7 | 230 | 29/32 | 10 | |



## REAGENT BOTTLE CLEAR, NARROW MOUTH, WITH GLASS STOPPER

Made of soda-lime glass. With ground-in glass frosted stopper

| reference | capacity | Ø (mm) | h (mm) | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| RB01-060-012 | 60 ml | 46 | 85 | 21/20 | 12 | |
| RB01-125-012 | 125 ml | 57 | 110 | 21/20 | 12 | |
| RB01-250-012 | 250 ml | 70 | 135 | 24/20 | 12 | |
| RB01-500-008 | 500 ml | 85 | 172 | 29/25 | 8 | |
| RB01-1K0-006 | 1000 ml | 106 | 202 | 31/30 | 6 | |



## REAGENT BOTTLE AMBER, NARROW MOUTH, WITH GLASS STOPPER

Made of soda-lime glass. With ground-in glass frosted stopper

| reference | capacity | Ø (mm) | h (mm) | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| RB02-060-012 | 60 ml | 46 | 85 | 21/20 | 12 | |
| RB02-125-012 | 125 ml | 57 | 110 | 21/20 | 12 | |
| RB02-250-012 | 250 ml | 70 | 135 | 24/20 | 12 | |
| RB02-500-008 | 500 ml | 85 | 172 | 29/25 | 8 | |
| RB02-1K0-006 | 1000 ml | 106 | 202 | 31/30 | 6 | |



## REAGENT BOTTLE CLEAR, WIDE MOUTH, WITH GLASS STOPPER

Made of soda-lime glass. With ground-in glass frosted stopper

| reference | capacity | Ø (mm) | h (mm) | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| RB03-060-012 | 60 ml | 46 | 80 | 28/20 | 12 | |
| RB03-125-012 | 125 ml | 57 | 108 | 36/20 | 12 | |
| RB03-250-012 | 250 ml | 70 | 130 | 42/20 | 12 | |
| RB03-500-008 | 500 ml | 85 | 165 | 50/25 | 8 | |
| RB03-1K0-006 | 1000 ml | 106 | 188 | 55/30 | 6 | |

## REAGENT BOTTLE AMBER, WIDE MOUTH, WITH GLASS STOPPER

Made of soda-lime glass. With ground-in glass frosted stopper

| reference | capacity | Ø (mm) | h (mm) | joint ST/NS | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| RB04-060-012 | 60 ml | 46 | 80 | 28/20 | 12 | |
| RB04-125-012 | 125 ml | 57 | 108 | 36/20 | 12 | |
| RB04-250-012 | 250 ml | 70 | 130 | 42/20 | 12 | |
| RB04-500-008 | 500 ml | 85 | 165 | 50/25 | 8 | |
| RB04-1K0-006 | 1000 ml | 106 | 188 | 55/30 | 6 | |



## CLEAR GLASS BOTTLE

Made of Type III Soda-lime glass according to USP. Requires PP28 screw cap (not included)

| reference | capacity | Ø (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRAN-030-156 | 30 ml | 35 | 67 | PP28 | 156 | |
| FRAN-060-127 | 60 ml | 38.6 | 94 | PP28 | 127 | |
| FRAN-125-104 | 125 ml | 49 | 114,4 | PP28 | 104 | |
| FRAN-250-060 | 250 ml | 61.7 | 142,9 | PP28 | 60 | |
| FRAN-500-035 | 500 ml | 76.8 | 176,8 | PP28 | 35 | |
| FRAN-1K0-020 | 1000 ml | 97.5 | 215,6 | PP28 | 20 | |



## AMBER GLASS BOTTLE

Made of Type III Soda-lime glass according to USP. Requires PP28 screw cap (not included)

| reference | capacity | Ø (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRAA-030-156 | 30 ml | 35 | 67 | PP28 | 156 | |
| FRAA-060-160 | 60 ml | 38.6 | 94 | PP28 | 160 | |
| FRAA-125-104 | 125 ml | 49 | 114,4 | PP28 | 104 | |
| FRAA-250-060 | 250 ml | 61.7 | 142,9 | PP28 | 60 | |
| FRAA-500-035 | 500 ml | 76.8 | 176,8 | PP28 | 35 | |
| FRAA-1K0-020 | 1000 ml | 97.5 | 215,6 | PP28 | 20 | |



## CLEAR BOTTLE, PET

Requires PP28 screw cap (not included)

| reference | capacity | Ø (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FPET-060-078 | 60 ml | 38 | 96 | PP28 | 78 | |
| FPET-125-209 | 125 ml | 48 | 115 | PP28 | 209 | |
| FPET-250-138 | 250 ml | 58 | 148 | PP28 | 138 | |
| FPET-500-095 | 500 ml | 69 | 180 | PP28 | 95 | |





## AMBER BOTTLE, PET

Requires PP28 screw cap (not included)

| reference | capacity | Ø (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FPTA-060-078 | 60 ml | 38 | 96 | PP28 | 78 | |
| FPTA-125-209 | 125 ml | 48 | 115 | PP28 | 209 | |
| FPTA-250-138 | 250 ml | 58 | 148 | PP28 | 138 | |
| FPTA-500-095 | 500 ml | 69 | 180 | PP28 | 95 | |



## WIDE MOUTH BOTTLE, PET

With polypropylene black lid

| reference | capacity | Ø (mm) | h (mm) | $Ø_{inner\ mouth}$ (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| TPET-100-010 | 100 ml | 72 | 39 | 64,1 | D70 | 10 | |
| TPET-250-010 | 250 ml | 72 | 77,5 | 64,1 | D70 | 10 | |
| TPET-500-010 | 500 ml | 104 | 77,7 | 92,9 | D100 | 10 | |
| TPET-1K0-010 | 1000 ml | 104 | 138,7 | 92,9 | D100 | 10 | |



## PP28 SCREW CAP DROPPER

Screw cap with dropper-lid. Lid orifice of 3 mm diameter. For our glass bottles FRAN and FRAA

| reference | screw | color | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TP28-201-020 | PP28 | white | 20 | |





## PP28 MOUTH BOTTLE, HDPE

Requires PP28 screw cap (not included). Caution: for bottles FRIP-030-010 choose only TP28-X01-020 screw caps

| reference | capacity | Ø (mm) | h (mm) | $Ø_{mouth}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRIP-030-010 | 30 ml | 36 | 86 | 20 | 10 | |
| FRIP-050-010 | 50 ml | 35 | 90 | 20 | 10 | |
| FRIP-100-010 | 100 ml | 40 | 105 | 20 | 10 | |
| FRIP-250-010 | 250 ml | 58 | 158 | 20 | 10 | |
| FRIP-500-010 | 500 ml | 70 | 158 | 20 | 10 | |
| FRIP-1K0-005 | 1000 ml | 90 | 213 | 20 | 5 | |
| “Saving package” | | | | | | |
| FRIP-030-1K0 | 30 ml | 36 | 86 | 20 | 1000 | |
| FRIP-050-800 | 50 ml | 35 | 90 | 20 | 800 | |
| FRIP-100-400 | 100 ml | 40 | 105 | 20 | 400 | |
| FRIP-250-510 | 250 ml | 58 | 158 | 20 | 510 | |
| FRIP-500-189 | 500 ml | 70 | 158 | 20 | 189 | |
| FRIP-1K0-076 | 1000 ml | 90 | 213 | 20 | 76 | |

## PP28 SCREW CAP, PE

astiK's

With seal, for our glass bottles references FRAN/FRAA, PET bottles references FPET/FPTA and HDPE bottles references FRIP. Caution: for bottles FRIP-030-010 choose only TP28-X01-020 screw caps

| reference | screw | color | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TP28-001-020 | PP28 | white | 20 | |
| TP28-002-020 | PP28 | black | 20 | |
| TP28-003-020 | PP28 | yellow | 20 | |
| TP28-004-020 | PP28 | blue | 20 | |
| TP28-005-020 | PP28 | red | 20 | |
| TP28-007-020 | PP28 | orange | 20 | |
| TP28-X01-020 | PP28 | white | 20 | |
| "Saving package" | | | | |
| TP28-001-2K0 | PP28 | white | 2000 | |



## PP28 SCREW CAP, PP

astiK's

With HDPE seal, for our glass bottles references FRAN/FRAA, PET bottles references FPET/FPTA and HDPE bottles references FRIP. Caution: for bottles FRIP-030-010 choose only TP28-X01-020 screw caps

| reference | screw | color | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TP28-A01-020 | PP28 | white | 20 | |
| "Saving package" | | | | |
| TP28-A01-2K0 | PP28 | white | 2000 | |



## PP28 COUNTER DROP SCREW CAP

astiK's

Polyethylene counter drop screw cap with seal, silicone teat and graduated glass tube (except for CG28-S30-010). For converting to counter-drops our glass bottles FRAN/FRAA, PET bottles FPET/FPTA and HDPE bottles FRIP

| reference | screw | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CG28-S30-010 | PP28 | for 30 ml bottle | 10 | |
| CG28-S60-010 | PP28 | for 60 ml bottle | 10 | |
| CG28-S12-010 | PP28 | for 125 ml bottle | 10 | |



## GLASS BOTTLE NARROW NECK WITH DIN-18 SCREW CAP

LBG

Made of Type III Soda-lime clear glass according to USP. Requires DIN-18 screw cap (not included)

| reference | capacity | Ø (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRGN-010-192 | 10 ml | 25 | 58 | DIN-18 | 192 | |
| FRGN-030-110 | 30 ml | 33 | 79 | DIN-18 | 110 | |
| FRGN-050-088 | 50 ml | 37 | 92 | DIN-18 | 88 | |
| FRGN-100-070 | 100 ml | 44 | 112 | DIN-18 | 70 | |





## AMBER GLASS BOTTLE WITH DIN-18 SCREW CAP

Made of Type III Soda-lime glass according to USP. Requires DIN-18 screw cap (not included)

| reference | capacity | Ø (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRGA-005-255 | 5 ml | 22 | 50 | DIN-18 | 255 | |
| FRGA-010-192 | 10 ml | 25 | 58 | DIN-18 | 192 | |
| FRGA-015-156 | 15 ml | 28 | 65 | DIN-18 | 156 | |
| FRGA-020-156 | 20 ml | 29 | 71 | DIN-18 | 156 | |
| FRGA-030-110 | 30 ml | 33 | 79 | DIN-18 | 110 | |
| FRGA-050-088 | 50 ml | 37 | 92 | DIN-18 | 88 | |
| FRGA-100-070 | 100 ml | 44 | 112 | DIN-18 | 70 | |



## BLUE GLASS BOTTLE WITH DIN-18 SCREW CAP

Made of Type III Soda-lime glass according to USP. Requires DIN-18 screw cap (not included)

| reference | capacity | Ø (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRGB-010-192 | 10 ml | 25 | 58 | DIN-18 | 192 | |
| FRGB-030-110 | 30 ml | 33 | 79 | DIN-18 | 110 | |
| FRGB-050-088 | 50 ml | 37 | 92 | DIN-18 | 88 | |
| FRGB-100-070 | 100 ml | 44 | 112 | DIN-18 | 70 | |





## DIN-18 COUNTER DROP SCREW CAP

Polypropylene counter drop screw cap with seal, silicone teat and glass tube. For converting to counter-drops our glass bottles FRGA, FRGN, FRGB and FRGG

| reference | screw | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CG18-005-020 | DIN-18 | for 5 ml bottle, white | 20 | |
| CG18-010-020 | DIN-18 | for 10 ml bottle, white | 20 | |
| CG18-015-020 | DIN-18 | for 15 ml bottle, white | 20 | |
| CG18-020-020 | DIN-18 | for 20 ml bottle, white | 20 | |
| CG18-030-020 | DIN-18 | for 30 ml bottle, white | 20 | |
| CG18-050-020 | DIN-18 | for 50 ml bottle, white | 20 | |
| CG18-100-020 | DIN-18 | for 100 ml bottle, white | 20 | |
| CG18-B05-020 | DIN-18 | for 5 ml bottle, black | 20 | |
| CG18-B10-020 | DIN-18 | for 10 ml bottle, black | 20 | |
| CG18-B15-020 | DIN-18 | for 15 ml bottle, black | 20 | |
| CG18-B20-020 | DIN-18 | for 20 ml bottle, black | 20 | |
| CG18-B30-020 | DIN-18 | for 30 ml bottle, black | 20 | |
| CG18-B50-020 | DIN-18 | for 50 ml bottle, black | 20 | |
| CG18-10B-020 | DIN-18 | for 100 ml bottle, black | 20 | |

## GREEN GLASS BOTTLE WITH DIN-18 SCREW CAP

LBG

USP Type III

Made of Type III Soda-lime glass according to USP. Requires DIN-18 screw cap (not included)

| reference | capacity | Ø (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRGG-010-192 | 10 ml | 25 | 58 | DIN-18 | 192 | |
| FRGG-030-110 | 30 ml | 33 | 79 | DIN-18 | 110 | |
| FRGG-050-088 | 50 ml | 37 | 92 | DIN-18 | 88 | |
| FRGG-100-070 | 100 ml | 44 | 112 | DIN-18 | 70 | |



## DIN-18 GRADUATED COUNTER DROP SCREW CAP

astiK's

Polypropylene counter drop screw cap with seal, silicone teat and glass tube. With a graduation volume printing, resistant to acid and alkalin solutions. For converting to counter-drops our glass bottles FRGA, FRGN, FRGB and FRGG

| reference | screw | graduation (ml) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| GC18-005-020 | DIN-18 | 0,1 | for 5 ml bottles, white | 20 | |
| GC18-010-020 | DIN-18 | 0,1 | for 10 ml bottles, white | 20 | |
| GC18-015-020 | DIN-18 | 0,25 | for 15 ml bottles, white | 20 | |
| GC18-020-020 | DIN-18 | 0,25 | for 20 ml bottles, white | 20 | |
| GC18-030-020 | DIN-18 | 0,25 | for 30 ml bottles, white | 20 | |
| GC18-050-020 | DIN-18 | 0,25 | for 50 ml bottles, white | 20 | |
| GC18-100-020 | DIN-18 | 0,25 | for 100 ml bottles, white | 20 | |
| GC18-B05-020 | DIN-18 | 0,1 | for 5 ml bottles, black | 20 | |
| GC18-B10-020 | DIN-18 | 0,1 | for 10 ml bottles, black | 20 | |
| GC18-B15-020 | DIN-18 | 0,25 | for 15 ml bottles, black | 20 | |
| GC18-B20-020 | DIN-18 | 0,25 | for 20 ml bottles, black | 20 | |
| GC18-B30-020 | DIN-18 | 0,25 | for 30 ml bottles, black | 20 | |
| GC18-B50-020 | DIN-18 | 0,25 | for 50 ml bottles, black | 20 | |
| GC18-10B-020 | DIN-18 | 0,25 | for 100 ml bottles, black | 20 | |



## DIN-18 SCREW CAP DROPPER

astiK's

Polyethylene screw cap with dropper-lid and seal. Lid orifice of 4 mm diameter. For our glass bottles FRGN, FRGA, FRGB and FRGG

| reference | screw | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TP18-001-020 | DIN-18 | white | 20 | |
| TP18-002-020 | DIN-18 | black | 20 | |
| "Saving package" | | | | |
| TP18-001-1K0 | DIN-18 | white | 1000 | |
| TP18-002-1K0 | DIN-18 | black | 1000 | |





## DIN-18 SCREW CAP

Polyethylene liner and cap. For our glass bottles FRGN, FRGA, FRGB and FRGG

| reference | screw | color | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TP18-201-020 | DIN-18 | black | 20 | |
| TP18-202-020 | DIN-18 | white | 20 | |
| “Saving package” | | | | |
| TP18-201-1K0 | DIN-18 | black | 1000 | |
| TP18-202-1K0 | DIN-18 | white | 1000 | |



## WIDE MOUTH BOTTLE, HDPE

Requires screw cap D34 (not included)

| reference | capacity | Ø (mm) | h (mm) | $Ø_{mouth}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRAP-125-010 | 125 ml | 48 | 113 | 34 | 10 | |
| FRAP-250-010 | 250 ml | 58 | 158 | 34 | 10 | |
| FRAP-500-010 | 500 ml | 74 | 166,5 | 34 | 10 | |
| FRAP-1K0-005 | 1000 ml | 90 | 210,5 | 34 | 5 | |
| “Saving package” | | | | | | |
| FRAP-125-624 | 125 ml | 48 | 34 | 34 | 624 | |
| FRAP-250-333 | 250 ml | 58 | 158 | 34 | 333 | |
| FRAP-500-150 | 500 ml | 74 | 166,5 | 34 | 150 | |
| FRAP-1K0-096 | 1000 ml | 90 | 210,5 | 34 | 96 | |



## PE SCREW CAP WITH TAMPER-PROOF CLOSURE D34

For our wide neck bottles FRAP and FRBP

| reference | screw | color | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TP34-301-010 | D34 | white | 10 | |
| TP34-302-010 | D34 | black | 10 | |
| TP34-304-010 | D34 | blue | 10 | |
| TP34-305-010 | D34 | red | 10 | |
| TP34-306-010 | D34 | green | 10 | |
| “Saving package” | | | | |
| TP34-301-900 | D34 | white | 900 | |



## LDPE SPRAY BOTTLE WITH HDPE NOZZLE

Body made of HDPE with PP/PE/POM nozzle. Head with ON-OFF lock

| reference | capacity | Ø (mm) | h (mm) | $Ø_{mouth}$ (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| FVAP-500-001 | 500 ml | 74 | 210 | 22 | 28/410 | 1 | |
| FVAP-1K0-001 | 1000 ml | 90 | 260 | 22 | 28/410 | 1 | |

## WIDE MOUTH BOTTLE, HDPE, FOR PHOTOSENSITIVE PRODUCTS

Black colour. Requires D34 screw cap (not included)

astiK's

| reference | capacity | Ø (mm) | h (mm) | $Ø_{mouth}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRBP-125-010 | 125 ml | 48 | 113 | 34 | 10 | |
| FRBP-250-010 | 250 ml | 58 | 158 | 34 | 10 | |
| FRBP-500-010 | 500 ml | 74 | 166,5 | 34 | 10 | |
| FRBP-1K0-005 | 1000 ml | 90 | 210,5 | 34 | 5 | |
| "Saving package" | | | | | | |
| FRBP-125-624 | 125 ml | 48 | 113 | 34 | 624 | |
| FRBP-250-333 | 250 ml | 58 | 158 | 34 | 333 | |
| FRBP-500-180 | 500 ml | 74 | 166,5 | 34 | 180 | |
| FRBP-1K0-096 | 1000 ml | 90 | 210,5 | 34 | 96 | |



## NARROW MOUTH BOTTLE, LDPE

Compatible with the TP24 cap or for converting to counter-drops using dropper nozzle CA24

astiK's

| reference | capacity | Ø (mm) | h (mm) | $Ø_{mouth}$ (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| NMBP-050-010 | 50 ml | 36,3 | 80 | 19 | 24/410 | 10 | |
| NMBP-125-010 | 125 ml | 43 | 124,3 | 19 | 24/410 | 10 | |
| NMBP-250-010 | 250 ml | 47 | 187,5 | 19 | 24/410 | 10 | |
| "Saving package" | | | | | | | |
| NMBP-050-950 | 50 ml | 36,3 | 80 | 19 | 24/410 | 950 | |
| NMBP-125-430 | 125 ml | 43 | 124,3 | 19 | 24/410 | 430 | |
| NMBP-250-200 | 250 ml | 47 | 187,5 | 19 | 24/410 | 200 | |



## PE DROPPER NOZZLE WITH 24/410 SCREW CAP

For use as a dropper with narrow-neck bottles NMBP

astiK's

| reference | screw | color | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CA24-001-010 | 24/410 | white | 10 | |
| CA24-002-010 | 24/410 | blue | 10 | |
| CA24-003-010 | 24/410 | red | 10 | |
| "Saving package" | | | | |
| CA24-001-1K7 | 24/410 | white | 1700 | |



## CAP WITHOUT INSERT, 24/410

Suitable for narrow-neck bottles, reference NMBP

astiK's

| reference | screw | color | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TP24-001-020 | 24/410 | white | 20 | |
| "Saving package" | | | | |
| TP24-001-1K0 | 24/410 | white | 1000 | |





## astiK's | LDPE DROPPER BOTTLE

Manufactured in translucent LDPE, with white PP screw cap and LDPE dosing tip. It allows a reliable and reproducible dosage of liquids. Leak-proof. Suitable for most applications of biotechnology, diagnostics and pharmacy

| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| DROP-004-050 | 4 ml | 13,70 | 48,70 | 50 | |
| DROP-008-050 | 8 ml | 17,20 | 54,60 | 50 | |
| DROP-015-050 | 15 ml | 25,00 | 56,40 | 50 | |
| DROP-030-050 | 30 ml | 25,10 | 80,50 | 50 | |



## Kartell | GRADUATED WIDE MOUTH BOTTLE, CYLINDRICAL, PP

Autoclavable at 121 °C. Standard thread according to DIN 13316 and 168

| reference | capacity | graduation | Ø (mm) | h (mm) | DIN screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| FRKP-050-010 | 50 ml | 10 ml | 38 | 88 | GL32 | 10 | |
| FRKP-100-010 | 100 ml | 20 ml | 48 | 105 | GL32 | 10 | |
| FRKP-250-010 | 250 ml | 25 ml | 60 | 140 | GL45 | 10 | |
| FRKP-500-005 | 500 ml | 100 ml | 75 | 170 | GL45 | 5 | |
| FRKP-1K0-005 | 1000 ml | 100 ml | 95 | 206 | GL63 | 5 | |
| FRKP-2K0-001 | 2000 ml | 100 ml | 120 | 252 | GL63 | 1 | |
| "Saving package" | | | | | | | |
| FRKP-050-100 | 50 ml | 10 ml | 38 | 88 | GL32 | 100 | |
| FRKP-100-100 | 100 ml | 20 ml | 48 | 105 | GL32 | 100 | |
| FRKP-250-050 | 250 ml | 25 ml | 60 | 140 | GL45 | 50 | |
| FRKP-500-025 | 500 ml | 100 ml | 75 | 170 | GL45 | 25 | |
| FRKP-1K0-017 | 1000 ml | 100 ml | 95 | 206 | GL63 | 17 | |
| FRKP-2K0-015 | 2000 ml | 100 ml | 120 | 252 | GL63 | 15 | |



## astiK's | NARROW MOUTH ROUND BOTTLE, HDPE

Rigid and translucent bottle made of high density polyethylene (HDPE), manufactured from virgin medical grade resins. Includes: Polypropylene (PP) screw cap. Leak-proof. Ideal for storage and shipping of liquids. Suitable for freezer storage at-100 °C

| reference | capacity | $Ø_{cap}$ (mm) | $Ø_{mouth}$ (mm) | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BBNN-004-012 | 4 ml | 13 | 8,3 | 16 | 41 | 12 | |
| BBNN-008-012 | 8 ml | 20 | 13,9 | 25 | 44 | 12 | |
| BBNN-015-012 | 15 ml | 20 | 13,9 | 25 | 58 | 12 | |
| BBNN-030-012 | 30 ml | 20 | 13,9 | 36 | 62 | 12 | |
| BBNN-060-012 | 60 ml | 20 | 13,9 | 40,5 | 85 | 12 | |
| BBNN-125-012 | 125 ml | 24 | 17,6 | 51 | 99 | 12 | |
| BBNN-250-012 | 250 ml | 24 | 17,6 | 61 | 133 | 12 | |
| BBNN-500-012 | 500 ml | 24 | 21,5 | 73 | 170 | 12 | |
| BBNN-1K0-006 | 1000 ml | 38 | 28,8 | 92 | 216 | 6 | |

## WIDE MOUTH ROUND BOTTLE, HDPE

astiK's

Rigid and translucent bottle made of high density polyethylene (HDPE), manufactured from virgin medical grade resins. Includes: Polypropylene (PP) screw cap. Leak-proof. Wide neck opening allows easy filling of dry matter and liquids. Suitable for freezer storage at-100 °C



| reference | capacity | Ø cap (mm) | Ø mouth (mm) | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BBWN-030-012 | 30 ml | 28 | 21,5 | 36,5 | 62,5 | 12 | |
| BBWN-060-012 | 60 ml | 28 | 21,5 | 38,5 | 85 | 12 | |
| BBWN-125-012 | 125 ml | 38 | 28,8 | 50,5 | 99 | 12 | |
| BBWN-250-012 | 250 ml | 43 | 33,1 | 61,5 | 133 | 12 | |
| BBWN-500-012 | 500 ml | 53 | 44 | 82,5 | 170 | 12 | |
| BBWN-1K0-006 | 1000 ml | 63 | 44 | 91,5 | 199 | 6 | |

## AMBER NARROW MOUTH ROUND BOTTLE, HDPE

astiK's

Rigid and amber bottle made of high density polyethylene (HDPE), manufactured from virgin medical grade resins. Includes: Polypropylene (PP) screw cap. Leak-proof. Ideal for storage and shipping of liquids. Suitable for freezer storage at-100°C. Reduce UV light transmission to help protect light sensitive samples



| reference | capacity | Ø cap (mm) | Ø mouth (mm) | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BBNA-004-012 | 4 ml | 13 | 8,3 | 16 | 41 | 12 | |
| BBNA-008-012 | 8 ml | 20 | 13,9 | 25 | 44 | 12 | |
| BBNA-015-012 | 15 ml | 20 | 13,9 | 25 | 58 | 12 | |
| BBNA-030-012 | 30 ml | 20 | 13,9 | 36 | 62 | 12 | |
| BBNA-060-012 | 60 ml | 20 | 13,9 | 40,5 | 85 | 12 | |
| BBNA-125-012 | 125 ml | 24 | 17,6 | 51 | 99 | 12 | |
| BBNA-250-012 | 250 ml | 24 | 17,6 | 61 | 133 | 12 | |
| BBNA-500-012 | 500 ml | 24 | 21,5 | 73 | 170 | 12 | |
| BBNA-1K0-006 | 1000 ml | 38 | 28,8 | 92 | 216 | 6 | |

## AMBER WIDE MOUTH ROUND BOTTLE, HDPE

astiK's

Rigid and amber bottle made of high density polyethylene (HDPE), manufactured from virgin medical grade resins. Includes: Polypropylene (PP) screw cap. Leak-proof. Wide neck opening allows easy filling of dry matter and liquids. Suitable for freezer storage at-100 °C. Reduce UV light transmission to help protect light sensitive samples



| reference | capacity | stopper | Ø mouth (mm) | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BBWA-030-012 | 30 ml | 28 | 21,5 | 36,5 | 62,5 | 12 | |
| BBWA-060-012 | 60 ml | 28 | 21,5 | 38,5 | 85 | 12 | |
| BBWA-125-012 | 125 ml | 38 | 28,8 | 50,5 | 99 | 12 | |
| BBWA-250-012 | 250 ml | 43 | 33,1 | 61,5 | 133 | 12 | |
| BBWA-500-012 | 500 ml | 53 | 44 | 82,5 | 170 | 12 | |
| BBWA-1K0-006 | 1000 ml | 53 | 44 | 91,5 | 199 | 6 | |



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## ALUMINUM BOTTLE

Monobloc. Manufactured in pure aluminium (min. 99.5%) without external aesthetic treatment. Particularly suitable for packaging, storage and transport of substances such as: essential oils, aromatic chemicals, perfume bases, food aromas, pesticides or photosensitive products. Matte Finish. Includes HDPE interior drip shutter and white polypropylene safety cap. Available with or without epoxy resin inner lining (suitable for direct food contact). With UN type-approval

| reference | normal capacity | overflow capacity | Ø x h (mm) | $Ø_{mouth}$ (mm) | inner lining | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BALN-100-005 | 100 ml | 160 ml | 50 x 116 | 24 | no | 5 | |
| BALN-250-005 | 250 ml | 280 ml | 50 x 154 | 24 | no | 5 | |
| BALN-500-005 | 500 ml | 600 ml | 74 x 190 | 28 | no | 5 | |
| BALN-1K0-005 | 1000 ml | 1200 ml | 89 x 247 | 28 | no | 5 | |
| Food-grade | | | | | | | |
| BALN-10R-005 | 100 ml | 160 ml | 50 x 116 | 24 | yes | 5 | |
| BALN-25R-005 | 250 ml | 280 ml | 50 x 154 | 24 | yes | 5 | |
| BALN-50R-005 | 500 ml | 600 ml | 74 x 190 | 28 | yes | 5 | |
| BALN-1R0-005 | 1000 ml | 1200 ml | 89 x 247 | 28 | yes | 5 | |



clink

NEW

121°

## STAINLESS STEEL BUCKET

Made of polished AISI 304 stainless steel. The handle ensures safe and comfortable handling of liquids, solids, granules, or mixtures, while the smooth finish reduces residue adhesion and facilitates cleaning

| reference | capacity | $Ø_{top}$ (mm) | $Ø_{bottom}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BUSS-010-001 | 10 L | 265 | 170 | 1 | |
| BUSS-016-001 | 16 L | 320 | 215 | 1 | |



astiK's

## DROP DISPENSING BOTTLE

Made of LDPE with PP dropping tethered cap. Drop by drop liquid release. Graduated and leak proof

| reference | capacity | Ø (mm) | h (mm) | $Ø_{inner\ mouth}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DDBP-030-012 | 30 ml | 36,4 | 40 | 14,02 | 12 | |
| DDBP-060-012 | 60 ml | 40,11 | 61,52 | 14,29 | 12 | |
| DDBP-125-012 | 125 ml | 51,24 | 76,79 | 17,21 | 12 | |
| DDBP-250-012 | 250 ml | 59,38 | 108,79 | 17,45 | 12 | |



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## DROP DISPENSING BOTTLE, GLASS

Made of Soda-lime glass. With ground-in frosted neck and PP stopper and PVC teat

| reference | capacity | type | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DBBG-030-012 | 30 ml | transparent | 39 | 124,4 | 12 | |
| DBBG-A30-012 | 30 ml | amber | 39 | 124,4 | 12 | |

## RECTANGULAR BOTTLE, HDPE

astiK's

Rigid and translucent bottle made of high density polyethylene (HDPE), manufactured from virgin medical grade resins. Includes: Polypropylene (PP) screw cap. Leak-proof. Space-efficient designed for transporting or storing dry matter and liquids. Suitable for freezer storage at-100 °C



| reference | capacity | l (mm) | w (mm) | h (mm) | Ø inner mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BBRN-125-012 | 125 ml | 60 | 39,4 | 97,3 | 21,1 | 12 | |
| BBRN-250-012 | 250 ml | 75,5 | 54 | 112 | 28,8 | 12 | |
| BBRN-500-012 | 500 ml | 100 | 64,7 | 140,6 | 38 | 12 | |
| BBRN-1K0-006 | 1000 ml | 125,2 | 70,2 | 175 | 43,7 | 6 | |
| BBRN-2K0-004 | 2000 ml | 150 | 97 | 240 | 52,3 | 4 | |

## RECTANGULAR AMBER BOTTLE, HDPE

astiK's

Rigid amber bottle made of high density polyethylene (HDPE), manufactured from virgin medical grade resins. Includes: Polypropylene (PP) screw cap. Leak-proof. Space-efficient designed for transporting or storing dry matter and liquids. Suitable for freezer storage at -100 °C. Reduce UV light transmission to help protect light sensitive samples



| reference | capacity | l (mm) | w (mm) | h (mm) | Ø inner mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BBRA-125-012 | 125 ml | 60 | 39,4 | 97,3 | 21,1 | 12 | |
| BBRA-250-012 | 250 ml | 75,5 | 54 | 112 | 28,8 | 12 | |
| BBRA-500-012 | 500 ml | 100 | 64,7 | 140,6 | 38 | 12 | |
| BBRA-1K0-006 | 1000 ml | 125,2 | 70,2 | 175 | 43,7 | 6 | |
| BBRA-2K0-004 | 2000 ml | 150 | 97 | 240 | 52,3 | 4 | |

## WIDE MOUTH BOTTLE GRADUATED, CYLINDRICAL, LDPE, WITH STAR CAP

astiK's

BPA FREE

With PP screw cap and LDPE insert plug. With rings in bottle body and cap for security sealing



| reference | capacity | graduation | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRRP-050-010 | 50 ml | 10 ml | 40 | 78 | 10 | |
| FRRP-100-010 | 100 ml | 20 ml | 48 | 90 | 10 | |
| FRRP-250-010 | 250 ml | 25 ml | 61 | 125 | 10 | |
| FRRP-500-010 | 500 ml | 50 ml | 75 | 161 | 10 | |
| FRRP-1K0-005 | 1000 ml | 100 ml | 93 | 201 | 5 | |
| FRRP-2K0-001 | 2000 ml | 100 ml | 115 | 250 | 1 | |
| "Saving package" | | | | | | |
| FRRP-050-600 | 50 ml | 10 ml | 40 | 78 | 600 | |
| FRRP-100-400 | 100 ml | 20 ml | 48 | 90 | 400 | |
| FRRP-250-350 | 250 ml | 25 ml | 61 | 125 | 350 | |
| FRRP-500-120 | 500 ml | 50 ml | 75 | 161 | 120 | |
| FRRP-1K0-115 | 1000 ml | 100 ml | 93 | 201 | 115 | |
| FRRP-2K0-060 | 2000 ml | 100 ml | 115 | 250 | 60 | |



## WIDE MOUTH BOTTLE GRADUATED, RECTANGULAR, HDPE, WITH STAR CAP

With PP screw cap and LDPE insert plug. With rings in bottle body and cap for security sealing

| reference | capacity | l (mm) | w (mm) | h (mm) | Ø mouth (mm) | graduation (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|---|
| FRSP-050-010 | 50 ml | 37 | 37 | 72 | 24 | 10 | 10 | |
| FRSP-100-010 | 100 ml | 44 | 46 | 90 | 34,5 | 20 | 10 | |
| FRSP-250-010 | 250 ml | 55 | 60 | 115 | 34,5 | 50 | 10 | |
| FRSP-500-010 | 500 ml | 66 | 80 | 136 | 45 | 100 | 10 | |
| FRSP-1K0-005 | 1000 ml | 82 | 102 | 177 | 60 | 100 | 5 | |
| FRSP-2K0-001 | 2000 ml | 101 | 134 | 215 | 60 | 100 | 1 | |
| “Saving package” | | | | | | | | |
| FRSP-050-600 | 50 ml | 37 | 37 | 72 | 24 | 10 | 600 | |
| FRSP-100-300 | 100 ml | 44 | 46 | 90 | 34,5 | 20 | 300 | |
| FRSP-250-350 | 250 ml | 55 | 60 | 115 | 34,5 | 50 | 350 | |
| FRSP-500-100 | 500 ml | 66 | 80 | 136 | 45 | 100 | 100 | |
| FRSP-1K0-115 | 1000 ml | 82 | 102 | 177 | 60 | 100 | 115 | |
| FRSP-2K0-070 | 2000 ml | 101 | 134 | 215 | 60 | 100 | 70 | |



## SECURITY SEAL FOR BOTTLES

Allows to seal bottles having security rings in the body and in the cap (for example the references FRRP, FRGP and FRSP). Each seal has a single serial number printed

| reference | length (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SSEP-001-020 | 215 | red plastic | 20 | |
| SSEP-002-010 | 150 | stainless steel wire | 10 | |



## NARROW NECK GRADUATED BOTTLE, CYLINDRICAL, LDPE

With PP screw cap and LDPE insert plug. With rings in bottle body and cap for security sealing

| reference | capacity | Ø (mm) | h (mm) | Ø outer mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FRGP-050-010 | 50 ml | 39 | 76 | 18,5 | 10 | |
| FRGP-125-010 | 125 ml | 46 | 115 | 18,5 | 10 | |
| FRGP-250-010 | 250 ml | 60 | 138 | 23 | 10 | |
| FRGP-500-010 | 500 ml | 74 | 165 | 23 | 10 | |
| FRGP-1K0-005 | 1000 ml | 93 | 201 | 34,5 | 5 | |
| FRGP-2K0-001 | 2000 ml | 116 | 275 | 34,5 | 1 | |
| “Saving package” | | | | | | |
| FRGP-050-100 | 50 ml | 39 | 76 | 18,5 | 100 | |
| FRGP-125-100 | 125 ml | 46 | 115 | 18,5 | 100 | |
| FRGP-250-050 | 250 ml | 60 | 138 | 23 | 50 | |
| FRGP-500-115 | 500 ml | 74 | 165 | 23 | 115 | |
| FRGP-1K0-100 | 1000 ml | 93 | 201 | 34,5 | 100 | |
| FRGP-2K0-055 | 2000 ml | 116 | 275 | 34,5 | 55 | |

## GRADUATED BOTTLE WITH RECTANGULAR BASE

Made of HDPE. Ergonomic design. 75 mm screw cap (included)

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| reference | capacity | dimensions (mm) | color | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SUBP-2K0-001 | 2000 ml | 95 x 115 x 245 | white | 1 | |
| SUBP-2K1-001 | 2000 ml | 95 x 115 x 245 | amber | 1 | |
| "Saving package" | | | | | |
| SUBP-2K0-052 | 2000 ml | 95 x 115 x 245 | white | 52 | |
| SUBP-2K1-052 | 2000 ml | 95 x 115 x 245 | amber | 52 | |



## CLEAR CRIMP CAP SAMPLE VIAL

Made of Type III Soda-lime glass according to US Pharmacopeia. Requires caps and closures of 20 mm diameter (not included)

LBG

USP Type III

| reference | capacity | $Ø_{base}$ (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| IVMN-010-192 | 10 ml | 25,4 | 53,5 | 192 | |
| IVMN-020-120 | 20 ml | 32 | 58 | 120 | |
| IVMN-030-092 | 30 ml | 36 | 62,8 | 92 | |
| IVMN-050-084 | 50 ml | 42,5 | 73 | 84 | |
| IVMN-100-063 | 100 ml | 51,6 | 94,5 | 63 | |



## AMBER CRIMP CAP SAMPLE VIAL

Made of Type III Soda-lime glass according to US Pharmacopeia. Requires caps and closures of 20 mm diameter (not included)

LBG

USP Type III

| reference | capacity | $Ø_{base}$ (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| IVMA-010-192 | 10 ml | 25,4 | 53,5 | 192 | |
| IVMA-020-120 | 20 ml | 32 | 58 | 120 | |



## CAP AND CLOSURES FOR 20 mm CRIMP CAP VIALS

Aluminum caps and chlorobutyle closures for sample vials Ref. IVMN, IVMA

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| CIVM-001-100 | aluminum cap closure, crimp seal, removable center (A) | 100 | |
| CIVF-001-100 | aluminum cap closure, crimp seal, flip-off top (B) | 100 | |
| CIVR-001-100 | rubber closure, snap-on (C) | 100 | |
| DIVR-001-100 | rubber closure for lyophilization (D) | 100 | |




## TEAR-OFF SEAL REMOVER

Tool designed to completely remove the aluminum capsule or lift the tear-off tab of our reference CIVM-001-100

clink

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TOSR-001-001 | for Ø20 mm capsules | 1 | |





LBG

## MCCARTNEY GLASS BOTTLE WITH ALUMINUM SCREW CAP

Made of borosilicate glass. Aluminium screw cap and silicon liner included. Particularly used in microbiology. Autoclavable

| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| MCBN-025-125 | 25 ml | 28 | 85 | 125 | |



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## PP CYLINDRICAL CONTAINER WITH HANDLE

White color. Pressure lid, seal system by a border (P system) and "Easy-opening" design

| reference | capacity | $Ø_{base}$ (mm) | h (mm) | $Ø_{mouth}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CBIP-2K0-001 | 2,5 L | 170 | 138 | 184 | 1 | |
| CBIP-3K0-001 | 3,8 L | 166 | 176 | 184 | 1 | |
| CBIP-5K0-001 | 5,6 L | 191 | 194 | 210 | 1 | |
| CBIP-8K0-001 | 8,0 L | 226 | 221 | 253 | 1 | |

astiK's

## SAFETY WASH BOTTLE, LABELLED, WIDE MOUTH

Made of LDPE (low density polyethylene) and PP closure (polypropylene). English print, highly visible and solvent resistant. Includes a Chemical Abstract Service (CAS) n°, National Fire Protection Association (NFPA) codes and symbols, Protective Equipment Symbol, Target Organ Information and Hazard codes. Screw cap colour-coded




| reference | capacity | $Ø_{mouth}$ (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| WBSP-501-001 | 500 ml | 53 | distilled water - neutral cap | 1 | |
| WBSP-502-001 | 500 ml | 53 | ethanol - white cap | 1 | |
| WBSP-503-001 | 500 ml | 53 | acetone - red cap | 1 | |
| WBSP-504-001 | 500 ml | 53 | methanol - green cap | 1 | |
| WBSP-505-001 | 500 ml | 53 | isopropanol - yellow cap | 1 | |
| WBSP-1K1-001 | 1000 ml | 53 | distilled water - neutral cap | 1 | |
| WBSP-1K2-001 | 1000 ml | 53 | ethanol - white cap | 1 | |
| WBSP-1K3-001 | 1000 ml | 53 | acetone - red cap | 1 | |
| WBSP-1K4-001 | 1000 ml | 53 | methanol - green cap | 1 | |
| WBSP-1K5-001 | 1000 ml | 53 | isopropanol - yellow cap | 1 | |

Products labelled with this symbol are suitable for food contact, and Labbox certifies it. They comply with the most recent EU regulations on materials in contact with food, and the FDA on raw materials.

## SAFETY WASH BOTTLE, LABELLED, WITH ANTI-DRIP SYSTEM

astiK's

Made of LDPE (low density polyethylene) and PP closure (polypropylene). With a non-metallic valve for easy vapour venting to prevent pressure buildup and splashing. English print, highly visible and solvent resistant. Includes a Chemical Abstract Service (CAS) n°, National Fire Protection Association (NFPA) codes and symbols, Protective Equipment Symbol, Target Organ Information and Hazard codes. Screw cap colour-coded




| reference | capacity | Ø mouth (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| WBSP-5S1-001 | 500 ml | 53 | distilled water - neutral cap | 1 | |
| WBSP-5S2-001 | 500 ml | 53 | ethanol - white cap | 1 | |
| WBSP-5S3-001 | 500 ml | 53 | acetone - red cap | 1 | |
| WBSP-5S4-001 | 500 ml | 53 | methanol - green cap | 1 | |
| WBSP-5S5-001 | 500 ml | 53 | isopropanol - yellow cap | 1 | |
| WBSP-1S1-001 | 1000 ml | 53 | distilled water - neutral cap | 1 | |
| WBSP-1S2-001 | 1000 ml | 53 | ethanol - white cap | 1 | |
| WBSP-1S3-001 | 1000 ml | 53 | acetone - red cap | 1 | |
| WBSP-1S4-001 | 1000 ml | 53 | methanol - green cap | 1 | |
| WBSP-1S5-001 | 1000 ml | 53 | isopropanol - yellow cap | 1 | |

## NARROW NECK WASH BOTTLE

astiK's

BPA FREE

Made of LDPE (low density polyethylene)



| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| WBTP-100-001 | 100 ml | 45 | 100 | 1 | |
| WBTP-250-001 | 250 ml | 60,2 | 140 | 1 | |
| WBTP-500-001 | 500 ml | 73,5 | 170 | 1 | |
| WBTP-750-001 | 750 ml | 83 | 195 | 1 | |
| WBTP-1K0-001 | 1000 ml | 91,5 | 210 | 1 | |

## WIDE NECK WASH BOTTLE

astiK's

Made of LDPE (low density polyethylene). Screw cap available in different colors to identify the content



| reference | capacity | Ø (mm) | Ø mouth (mm) | screw | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| WBGP-250-001 | 250 ml | 60 | 38 | GL45 | neutral cap | 1 | |
| WBGP-253-001 | 250 ml | 60 | 38 | GL45 | yellow cap | 1 | |
| WBGP-254-001 | 250 ml | 60 | 38 | GL45 | blue cap | 1 | |
| WBGP-255-001 | 250 ml | 60 | 38 | GL45 | red cap | 1 | |
| WBGP-500-001 | 500 ml | 75 | 38 | GL45 | neutral cap | 1 | |
| WBGP-503-001 | 500 ml | 75 | 38 | GL45 | yellow cap | 1 | |
| WBGP-504-001 | 500 ml | 75 | 38 | GL45 | blue cap | 1 | |
| WBGP-505-001 | 500 ml | 75 | 38 | GL45 | red cap | 1 | |



## DRUM WITH FAUCET

Made of HDPE (high density polyethylene). Screw cap and faucet included. BIGP-21K-001 is delivered with the hole for the key open

| reference | capacity | h (mm) | l (mm) | w (mm) | Ø mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BIGP-10K-001 | 10 L | 380 | 300 | 150 | 46 | 1 | |
| BIGP-21K-001 | 20 L | 460 | 330 | 175 | 46 | 1 | |



## CARBOY VENTING CAP

In PP, with TPE gasket and port caps. For silicone tubing with 13 mm of internal diameter and 6 mm inner diameter silicone tubing

| reference | screw | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CAVC-013-001 | 83B | for 13 mm Ø tubes | 1 | |
| CAVC-006-001 | 83B | for 6 mm Ø tubes | 1 | |



## CARBOY WITH HANDLES

Made of LDPE (low density polyethylene)are made with high-quality laboratory-grade resin materials USP Class VI. Includes: Polypropylene (PP) screw cap. Leak-proof. Graduation in litres and gallons

| reference | capacity | Ø (mm) | Ø inner mouth (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BCAS-010-001 | 10 L | 249 | 65 | 376 | 83B | 1 | |
| BCAS-020-001 | 20 L | 285 | 65 | 518 | 83B | 1 | |



## AUTOCLAVABLE CARBOY WITH HANDLES

Made of PP (polypropylene), with medical grade resins USP Class VI. Includes: Polypropylene (PP) screw cap. Leak-proof. Graduation in litres and gallons

| reference | capacity | Ø (mm) | Ø inner mouth (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BCAP-010-001 | 10 L | 249 | 65 | 376 | 83B | 1 | |
| BCAP-020-001 | 20 L | 285 | 65 | 518 | 83B | 1 | |



## CARBOY WITH HANDLES, AMBER

Made of amber high density polyethylene (HDPE), manufactured from virgin medical grade resins. Includes: Polypropylene (PP) screw cap. Leak-proof. Ideal for storage and shipping of liquids. Suitable for freezer storage at -100°C. Reduce UV light transmission to help protect light sensitive samples. Graduation in litres and gallons

| reference | capacity | Ø (mm) | Ø inner mouth (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BCAH-010-001 | 10 L | 249 | 65 | 376 | 83B | 1 | |
| BCAH-020-001 | 20 L | 285 | 65 | 518 | 83B | 1 | |

## HEAVY DUTY CARBOY WITH HANDLES

astiK's

121°

Robust and resistant built with thick walls, made of PP (polypropylene), with medical grade resins USP Class VI. Includes: Polypropylene (PP) screw cap. Atoclavable and Leak-proof. Can be used as a vacuum trap. Graduation in litres and gallons



| reference | capacity | Ø (mm) | $Ø_{inner}$ mouth (mm) | h (mm) | screw | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BCHD-010-001 | 10 L | 249 | 65 | 376 | 83B | 1 | |
| BCHD-020-001 | 20 L | 285 | 65 | 518 | 83B | 1 | |

## RECTANGULAR CARBOY WITH FAUCET

astiK's

121°

Made of PP (polypropylene), with medical grade resins USP Class VI. Includes: Polypropylene (PP) screw cap and faucet. Autoclavable and leak-proof. With a stainless steel handle and wide mouth for easy filling. Graduation in litres and gallons



| reference | capacity | l (mm) | w (mm) | h (mm) | $Ø_{inner}$ mouth (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BCGA-005-001 | 5 L | 229 | 144 | 330 | 86,3 | 1 | |
| BCGA-010-001 | 10 L | 284 | 176 | 389 | 86,3 | 1 | |
| BCGA-020-001 | 20 L | 340 | 209 | 486 | 85,7 | 1 | |

## WIDE MOUTH CARBOY WITH HANDLES

astiK's

121°

Made of PP (polypropylene), with medical grade resins USP Class VI. Includes: Polypropylene (PP) screw cap. Autoclavable and leak-proof. Graduation in litres and gallons



| reference | capacity | Ø (mm) | $Ø_{inner}$ mouth (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BCWM-010-001 | 10 L | 249 | 85,6 | 331 | 1 | |
| BCWM-020-001 | 20 L | 285 | 85,6 | 472 | 1 | |

## CYLINDRICAL DRUM WITH FAUCET

astiK's

BPA FREE

Made of HDPE (high density polyethylene). Screw cap and faucet included. Available in two models: with the key housing open or close



| reference | capacity | Ø (mm) | $Ø_{mouth}$ (mm) | h (mm) | key housing | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| With the key hole open | | | | | | | |
| BCGP-H5K-001 | 5 L | 167 | 51 | 355 | open (B) | 1 | |
| BCGP-H10-001 | 10 L | 212 | 51 | 430 | open (B) | 1 | |
| BCGP-H25-001 | 25 L | 275 | 80 | 580 | open (B) | 1 | |
| With the key hole closed | | | | | | | |
| BCGP-05K-001 | 5 L | 167 | 51 | 355 | closed (A) | 1 | |
| BCGP-10K-001 | 10 L | 212 | 51 | 430 | closed (A) | 1 | |
| BCGP-25K-001 | 25 L | 275 | 80 | 580 | closed (A) | 1 | |
| BCGP-50K-001 | 50 L | 350 | 80 | 715 | closed (A) | 1 | |

A B



## AUTOCLAVABLE CARBOY WITH FAUCET

Made of PP. With PP screw cap and TPE liner. With raised graduation in liters and gallons. Autoclavable and leakproof. Faucet included

| reference | capacity | Ø (mm) | Ø mouth (mm) | screw | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| BGPA-005-001 | 5 L | 175 | 65 | 83B | 400 | 1 | |
| BGPA-010-001 | 10 L | 215 | 65 | 83B | 467 | 1 | |



## FAUCET FOR CARBOY

Threaded carboy taps. Check compatibility in the table

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BCGP-A01-001 | for BCGP carboys | 1 | |
| BGPA-A01-001 | for BGPA carboys | 1 | |



## SMALL STORAGE BOX

Rectangular, made of white polypropylene (PP), with lid.

| reference | capacity | ext. dim. (L x W x H) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| STBS-1K2-001 | 1,2 L | 213 x 157 x 63 | 1 | |
| STBS-2K2-001 | 2,2 L | 268 x 197 x 70 | 1 | |
| STBS-3K7-001 | 3,7 L | 323 x 243 x 71 | 1 | |



## STORAGE BOX

In transparent PP for easy recognition of contents. With lid. Fasteners at both sides that act as handles for easy handling and transport. Stackable and ideal for storage and tidiness

| reference | capacity | ext. dim. (L x W x H) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| STBO-294-001 | 5 L | 294 x 200 x 145 mm | 1 | |
| STBO-396-001 | 16 L | 396 x 296 x 215 mm | 1 | |
| STBO-422-001 | 25 L | 422 x 256 x 350 mm | 1 | |



## CASE WITH COMPARTMENTS

Transparent box with seven compartments, for the storage of small objects

| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| VBOX-001-001 | 160 x 122 x 30 mm | 1 | |

BPA FREE

Products labelled with this symbol are free from bisphenol A (BPA) and phthalates.

## DISPOSABLE SAMPLING SCOOP

astiK's

In HIPS (High Impact Polystyrene), manufactured in a class 100,000 cleanroom. Individually packed. Ideal for sampling and dispensing. With a sturdy, ergonomic handle to prevent hand contact with the sample. Conforms to FDA CFR 177.1640, EU Regulation 10/2011, EC Regulation 1935/2004 and BSE/TSE free. Free sterilization certificate available on the website



| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| DPSS-060-010 | 60 ml | non sterile | 10 | |
| DPSS-E60-010 | 60 ml | sterile | 10 | |
| "Saving package" | | | | |
| DPSS-060-100 | 60 ml | non sterile | 100 | |
| DPSS-E60-100 | 60 ml | sterile | 100 | |

## SCOOP FOR SOLIDS

astiK's

Made of HDPE



| reference | capacity | $l_{total}$ (mm) | $l_{useable}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SCOP-090-001 | 90 ml | 180 | 125 | 1 | |
| SCOP-250-001 | 250 ml | 240 | 155 | 1 | |
| SCOP-600-001 | 600 ml | 300 | 195 | 1 | |
| SCOP-1K1-001 | 1100 ml | 360 | 240 | 1 | |

## FLAT BOTTOM MEASURING SCOOP FOR SOLIDS

astiK's

Made of polypropylene (PP)



| reference | capacity | length (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SCPP-010-012 | 10 ml | 100 | 12 | |
| SCPP-025-012 | 25 ml | 135 | 12 | |
| SCPP-050-012 | 50 ml | 160 | 12 | |
| SCPP-100-012 | 100 ml | 200 | 12 | |
| SCPP-250-001 | 250 ml | 260 | 1 | |
| SCPP-500-001 | 500 ml | 315 | 1 | |
| SCPP-1K0-001 | 1000 ml | 385 | 1 | |

## STAINLESS STEEL SCOOP FOR SOLIDS

clink

Made in SS 18/10. Hygienic, crevice free construction and fully welded to the handle. Excellent resistance to corrosion and rounded corners for easy cleaning.



| reference | capacity | $l_{total}$ (mm) | $l_{useable}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SCOS-060-001 | 60 ml | 185 | 95 | 1 | |
| SCOS-110-001 | 110 ml | 208 | 118 | 1 | |
| SCOS-260-001 | 260 ml | 240 | 145 | 1 | |
| SCOS-470-001 | 470 ml | 313 | 200 | 1 | |
| SCOS-860-001 | 860 ml | 370 | 240 | 1 | |

clink

## STAINLESS STEEL SCOOP, PTFE COATED

Made of type 410 stainless steel with PTFE coating



| reference | l (mm) | w (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SCST-105-001 | 105 | 32 | 1 | |

clink

## SAMPLING PHARMA SCOOP, *PREMIUM LINE*

In 316L stainless steel with an excelent corrosion resistance and autoclavable. Ideal for sampling and dispensing granules and powder. With a polished mirror finish and crevice free, easy to clean



| reference | capacity | l (mm) | Ø (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SCPH-100-001 | 100 ml | 100 | 50 | 1 | |
| SCPH-500-001 | 500 ml | 140 | 95 | 1 | |
| SCPH-1K0-001 | 1000 ml | 235 | 110 | 1 | |

clink

## LONG HANDLE PHARMASCOOP, *PREMIUM LINE*

In 316 L stainless steel with an excelent corrosion resistance and autoclavable. Ideal for sampling and dispensing granules and powder. With a polished mirror finish and crevice free, easy to clean. With a long handle of 600 mm to reach deep or far samples



| reference | capacity | l (mm) | Ø (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SCPL-1K0-001 | 1000 ml | 835 | 110 | 1 | |

clink

## SACK SAMPLER

Manufactured in 316 L, high corrosion resistance. Crack-free for easy cleaning and to prevent cross-contamination. Sharp lance for easy puncturing of the bag. It is recommended to combine with sampling bags for the collection and transport of samples



| reference | l (mm) | $Ø_{inside}$ (mm) | $Ø_{outer}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SASS-400-001 | 400 | 22,3 | 25,4 | 1 | |

astiK's

## DISPOSABLE SAMPLING FUNNEL

In virgin HDPE (High Density Polyethylene), manufactured in Class 100,000 cleanroom. Individually packed. Ideal for use in laboratories or manufacturing areas. With small lugs on the rim to hold them while in use. Conforms to FDA CFR 177.1520, EU Regulations 10/2011, EC 1935/2004 and BSE/TSE free. Free sterilization certificate available on the website



| reference | capacity | type | h (mm) | $Ø_{mouth}$ (mm) | $Ø_{ext\ stem}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| DSHF-050-100 | 50 ml | non sterile | 50 | 56 | 8 | 100 | |
| DSHF-S50-100 | 50 ml | sterile | 50 | 56 | 8 | 100 | |
| DSHF-100-050 | 100 ml | non sterile | 100 | 103 | 11 | 50 | |
| DSHF-10S-050 | 100 ml | sterile | 100 | 103 | 11 | 50 | |
| DSHF-200-010 | 200 ml | non sterile | 200 | 180 | 19 | 10 | |
| DSHF-20S-010 | 200 ml | sterile | 200 | 180 | 19 | 10 | |

## DOUBLE BAG FOR SAMPLE TRANSPORT

astiK's

Made of polyethylene with biohazard logo and 2 pouches (one for sample with ziplock and one for documents)

| reference | dimensions (sample pouch) | dimensions (documents pouch) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| BZBP-160-100 | 160 x 200 mm | 160 x 230 mm | 100 | |




## ZIP LOCK BAG WITH WRITE ON PANELS

astiK's

Made of low density polyethylene (LDPE), 50 µm thick

| reference | w (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| BZWP-060-100 | 60 | 80 | 100 | |
| BZWP-070-100 | 70 | 110 | 100 | |
| BZWP-100-100 | 100 | 150 | 100 | |
| BZWP-120-100 | 120 | 180 | 100 | |
| BZWP-150-100 | 150 | 220 | 100 | |
| BZWP-180-100 | 180 | 250 | 100 | |
| BZWP-200-100 | 200 | 300 | 100 | |
| "Saving package" | | | | |
| BZWP-060-1K0 | 60 | 80 | 10 x 100 | |
| BZWP-070-1K0 | 70 | 110 | 10 x 100 | |
| BZWP-100-1K0 | 100 | 150 | 10 x 100 | |
| BZWP-120-1K0 | 120 | 180 | 10 x 100 | |
| BZWP-150-1K0 | 150 | 220 | 10 x 100 | |
| BZWP-180-1K0 | 180 | 250 | 10 x 100 | |
| BZWP-200-1K0 | 200 | 300 | 10 x 100 | |



## AUTOCLAVABLE METALS

Our range of Clink metalware features different manufacturing materials that impart various qualities to our products. The different alloys allow the products to exhibit varying degrees of corrosion resistance, depending on the intended function.

**410** - Mostly composed of chromium (Cr) and carbon (C). Medium corrosion resistance. May experience surface corrosion in aggressive environments.
**304** - Primarily composed of chromium (Cr), nickel (Ni), and carbon (C). Medium to high corrosion resistance. Not suitable for highly corrosive environments or exposure to strong acids or aggressive chemical cleaners.
**316** - Mainly composed of chromium (Cr), nickel (Ni), and molybdenum (Mo). High corrosion resistance. Suitable for corrosive environments with the presence of chlorides, offering better resistance than 304 in such environments and against certain cleaning agents.
**316L** - Has the same composition as 316. Excellent corrosion resistance due to molybdenum in its composition and its low carbon content, which reduces metal contamination and the likelihood of cracking.

## astiK's ZIP LOCK PLAIN BAG

Made of low density polyethylene (LDPE), 50 µm thick



| reference | w (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| BZIP-055-100 | 55 | 55 | 100 | |
| BZIP-060-100 | 60 | 80 | 100 | |
| BZIP-070-100 | 70 | 100 | 100 | |
| BZIP-080-100 | 80 | 120 | 100 | |
| BZIP-100-100 | 100 | 150 | 100 | |
| BZIP-120-100 | 120 | 180 | 100 | |
| BZIP-150-100 | 150 | 200 | 100 | |
| BZIP-180-100 | 180 | 250 | 100 | |
| BZIP-200-100 | 200 | 300 | 100 | |
| BZIP-250-100 | 250 | 330 | 100 | |
| BZIP-300-100 | 300 | 400 | 100 | |
| “Saving package” | | | | |
| BZIP-055-1K0 | 55 | 55 | 10 x 100 | |
| BZIP-060-1K0 | 60 | 80 | 10 x 100 | |
| BZIP-070-1K0 | 70 | 100 | 10 x 100 | |
| BZIP-080-1K0 | 80 | 120 | 10 x 100 | |
| BZIP-100-1K0 | 100 | 150 | 10 x 100 | |
| BZIP-120-1K0 | 120 | 180 | 10 x 100 | |
| BZIP-150-1K0 | 150 | 200 | 10 x 100 | |
| BZIP-180-1K0 | 180 | 250 | 10 x 100 | |
| BZIP-200-1K0 | 200 | 300 | 10 x 100 | |
| BZIP-250-1K0 | 250 | 330 | 10 x 100 | |
| BZIP-300-1K0 | 300 | 400 | 10 x 100 | |

## astiK's STERILE SAMPLING BAGS

Easy-to-close bags with puncture-proof tabs for protection from possible damage due to wire-end punctures. Ideal for all types of both liquid and solid samples. DNase, RNase, pyrogen and Bis-Phenol-A free. Type A: printed, 2 round wires Type B: printed, 1 round 1 flat wires. Free sterilization certificate available on the website



| reference | capacity | w (mm) | l (mm) | thickness (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| SFTB-P45-500 | 450 ml | 114 | 229 | 0,063 | A | 500 | |
| SFTB-P65-500 | 650 ml | 140 | 229 | 0,076 | A | 500 | |
| SFTB-P1K-250 | 1650 ml | 178 | 305 | 0,076 | A | 250 | |
| SFTB-FK2-250 | 2700 ml | 254 | 305 | 0,101 | B | 250 | |
| SFTB-F4K-250 | 3800 ml | 254 | 382 | 0,101 | B | 250 | |
| “Saving package” | | | | | | | |
| SFTB-P45-1K0 | 450 ml | 114 | 229 | 0,063 | A | 2 x 500 | |
| SFTB-P65-1K0 | 650 ml | 140 | 229 | 0,076 | A | 2 x 500 | |
| SFTB-P1K-1K0 | 1650 ml | 178 | 305 | 0,076 | A | 4 x 250 | |
| SFTB-FK2-1K0 | 2700 ml | 254 | 305 | 0,101 | B | 4 x 250 | |
| SFTB-F4K-1K0 | 3800 ml | 254 | 382 | 0,101 | B | 4 x 250 | |

## BLENDER BAGS WITH FILTER, STERILE

astiK's

Made of virgin and reinforced polyethylene. For microbiological and chemical analysis. Compatible with all lab blender homogenizers, withstand extensive blending without tears or perforations. DNAse, RNAse and pyrogen free. Type A: with lateral filter, non-woven, pore 250 µm. For fibrous samples such as meat, fish, fruit and vegetables Type B: with full-surface filter, non-woven, pore 280 µm. For pasty samples, such as cheese, milk and flour. Free sterilization certificate available on the website



| reference | capacity | w (mm) | l (mm) | thickness (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| STBL-L40-050 | 400 ml | 190 | 300 | 0,07 | A | 50 | |
| STBL-F40-050 | 400 ml | 190 | 300 | 0,07 | B | 50 | |
| "Saving package" | | | | | | | |
| STBL-L40-500 | 400 ml | 190 | 300 | 0,07 | A | 10 x 50 | |
| STBL-F40-500 | 400 ml | 190 | 300 | 0,07 | B | 10 x 50 | |

## STERILE SAMPLING SPOON

astiK's

Made in HIPS (High Impact Polyestyrene). Individually wrapped and sterile by radiation. Ideal to reduce cross-contamination in sampling procedures. Non cytotoxic, complies with USP Class VI and FDA 21 CFR



| reference | capacity | handle (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SSSH-E02-010 | 2,5 ml | 149,5 | 10 | |
| SSSH-E05-010 | 5 ml | 143,5 | 10 | |
| SSSH-E15-010 | 15 ml | 129,5 | 10 | |
| "Saving package" | | | | |
| SSSH-E02-200 | 2,5 ml | 149,5 | 200 | |
| SSSH-E05-200 | 5 ml | 143,5 | 200 | |
| SSSH-E15-200 | 15 ml | 129,5 | 200 | |

## SAMPLING SPOON-SPATULA *PREMIUM LINE*

clink

In 304 stainless steel, autoclavable. Specially shaped to facilitate the reaching of samples on difficult corners



| reference | l (mm) | $w_{spatula}$ (mm) | spoon capacity (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SSSP-150-001 | 150 | 12 | 2 | 1 | |
| SSSP-210-001 | 210 | 12,8 | 2 | 1 | |
| SSSP-300-001 | 300 | 24,1 | 9 | 1 | |

## SAMPLING SPOON-SPATULA, PTFE COATED

clink

In 304 stainless steel, autoclavable. Specially shaped to facilitate the reaching of samples on difficult corners



| reference | h (mm) | $w_{spatula}$ (mm) | spoon capacity (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SPST-150-001 | 150 | 12 | 2 | 1 | |
| SPST-210-001 | 210 | 12,8 | 2 | 1 | |
| SPST-300-001 | 300 | 24,1 | 9 | 1 | |



## STERILE V-SHAPPED SPATULA

Made in HIPS (High Impact Polyestyrene). Individually wrapped and sterile by radiation. Ideal for sampling granulated and semi solid materials. Helps to reduce cross-contamination in sampling procedures. Can be used as a sack sampler. Non cytotoxic, complies with USP Class VI and FDA 21 CFR

| reference | capacity | blade (mm) | handle (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VSPA-230-010 | 15 ml | 152,4 | 76,2 | 10 | |
| “Saving package” | | | | | |
| VSPA-230-100 | 15 ml | 152,4 | 76,2 | 100 | |



## STERILE FORCEPS

Made in PS. Individually wrapped and sterile by radiation. Ideal to reduce cross-contamination in sampling procedures. Corrugated handle to secure a good grip and serrated tip. Non cytotoxic, complies with USP Class VI and FDA 21 CFR

| reference | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| DFPS-E01-010 | 152,4 | 10 | |
| “Saving package” | | | |
| DFPS-E01-100 | 152,4 | 100 | |



## PTFE BEAKER DIPPER

Extendible screw-in shafts with a steel core for rigidity. Fully encapsulated in PTFE. Screw-in shaft lenghts are available separately to extend the original one. The basic unit consists of a beaker-like container with a single stem. All shafts are 600 mm long

| reference | Ø (mm) | capacity | pcs/ pack | price/ pack |
|---|---|---|---|---|
| DIPB-100-001 | 54 | 100 ml | 1 | |
| DIPB-250-001 | 66 | 250 ml | 1 | |
| DIPB-500-001 | 80 | 500 ml | 1 | |
| DIPB-1K0-001 | 100 | 1000 ml | 1 | |
| Accessories | | | | |
| DIPB-S01-001 | - | stem only 600 mm | 1 | |



## PTFE LADLE

For sampling with fixed handle and pouring spouts on both sides

| reference | capacity | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| LADL-010-001 | 10 ml | 150 | 1 | |

## SURFACE SAMPLING KITS

labkem

Sterile swab and a tube containing 10 ml of solution, individually packaged. The swab can be attached inside the cap for easy handling. Available with 3 types of solutions. They include neutralizing solutions (PBS and saline solution) that remove antibacterial agents such as chlorine or ammonium compounds, making it possible to detect microorganisms on food and dairy equipment. There is also buffered peptone water, a non-selective solution that supports the recovery of damaged bacteria for salmonella detection. Designed for fast and efficient microorganism detection



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SSAK-PBS-050 | with PBS solution, 10 ml | 50 | |
| SSAK-SAL-050 | with saline solution, 10 ml | 50 | |
| SSAK-PPW-050 | with peptoned water, 10 ml | 50 | |

## SAMPLE TRANSPORT TUBE WITH SKIRT

astiK's

Made of PP with white HDPE screw cap (included). With conical bottom and skirt, molded graduation each each 1 ml and frosted writing surface



| reference | capacity | Ø tube (mm) | Ø cap (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SVSP-005-100 | 5 ml | 16 | 20 | 60 | 100 | |
| SVSP-010-100 | 10 ml | 16 | 20 | 96 | 100 | |

## SAMPLE TRANSPORT TUBE WITH SKIRT, *PREMIUM LINE*

astiK's

121°

Made of PP with white HDPE screw cap (included), suitable to use with swabs. With conical bottom and skirt, molded graduation each 0,5 ml and frosted writing surface. Designed for preparing, transporting and storage biological material such as blood, urine and fecal. Leak-proof test is complied with BS EN14254 and BS5213. Shatter-proof and resistant to freezing temperatures down to-20°. Withstands centrifugation up to 6000 xg



| reference | normal capacity | Ø tube (mm) | Ø cap (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SVSP-P05-100 | 5 ml | 16 | 20 | 56,5 | 100 | |
| SVSP-P10-100 | 10 ml | 16 | 20 | 85 | 100 | |

## 40 ml SAMPLING VIAL

METRIA

NEW

121°

Made of clear borosilicate 6.8 glass, thread finish 24-414. Designed for the collection and storage of VOC samples. Commonly used in environmental monitoring, quality control, and industrial emission testing to analyze volatile organic compounds in air, water, and soil samples



| reference | capacity | h (mm) | Ø | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SVST-040-100 | 40 ml | 27,5 | 95 mm | 100 | |



METRIA

NEW

121°

## SCREW CAP WITH SILICONE/PTFE SEPTUM

Standard 24-414 open-top screw cap made of white polypropylene (PP), with a 22 mm septum insert consisting of a natural PTFE upper layer and white silicone backing, 3.0 mm thick. Provides excellent chemical resistance, a reliable seal, and is compatible with 40 mL EPA/TOC vials. Especially suitable for environmental sampling, TOC analysis, and sensitive chromatographic applications. Supplied with a dust cover for additional protection during storage and handling

| reference | screw | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SVSS-244-100 | 24/410 | white silicone septum/PTFE | 100 | |





METRIA

NEW

121°

## PRE-CLEANED EPA VIAL KIT

Includes a 40 mL borosilicate 6.8 clear glass EPA/TOC vial + white polypropylene (PP) open-top screw cap (24-414) with a 22 mm septum made of natural PTFE and white silicone, 3.0 mm thick, and a dust cover. Specially designed for environmental sampling and Total Organic Carbon (TOC) analysis according to EPA regulations. Developed to ensure maximum purity and prevent contamination, it is the recommended choice for water testing, organic compounds, and sensitive analyses. The cap provides excellent chemical resistance and a secure seal. Supplied factory pre-assembled, ready for immediate use

| reference | capacity | h (mm) | Ø | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SVPR-040-072 | 40 ml | 27,5 | 95 mm | 72 | |



LBG

## CLEAR GLASS SAMPLE VIAL

With white screw cap in PP and EPE joint (included)

| reference | normal capacity | overflow capacity | Ø inner mouth (mm) | Ø outer mouth (mm) | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|---|
| SVSN-C04-306 | 3,5 ± 0,5 ml | 3,85 ± 0,5 ml | 11,3 ± 0,2 | 12,6 ± 0,25 | 16 | 35 | 306 | |
| SVSN-C06-306 | 5 ± 0,5 ml | 5,5 ± 0,5 ml | 11,3 ± 0,2 | 12,6 ± 0,25 | 16 | 45 | 306 | |
| SVSN-C10-195 | 8 ± 0,5 ml | 9,5 ± 0,5 ml | 17 ± 0,5 | 18,85 ± 0,25 | 22 | 45 | 195 | |
| SVSN-C13-195 | 11 ± 1,0 ml | 12,5 ± 1,0 ml | 17 ± 0,5 | 18,85 ± 0,25 | 24 | 45 | 195 | |
| SVSN-C19-195 | 16 ± 1,0 ml | 17,5 ± 1,0 ml | 17 ± 0,5 | 18,85 ± 0,25 | 24 | 60 | 195 | |
| SVSN-C26-121 | 22 ± 0,5 ml | 24,5 ± 0,5 ml | 21,5 ± 0,25 | 23,65 ± 0,25 | 30 | 55 | 121 | |
| “Saving package” | | | | | | | | |
| SVSN-C04-1K2 | 3,5 ± 0,5 ml | 3,85 ± 0,5 ml | 11,3 ± 0,2 | 12,6 ± 0,25 | 16 | 35 | 4 x 306 | |
| SVSN-C06-1K2 | 5 ± 0,5 ml | 5,5 ± 0,5 ml | 12,6 ± 0,25 | 12,6 ± 0,25 | 16 | 45 | 4 x 306 | |
| SVSN-C10-780 | 8 ± 0,5 ml | 9,5 ± 0,5 ml | 17 ± 0,5 | 18,85 ± 0,25 | 22 | 45 | 4 x 195 | |
| SVSN-C13-780 | 11 ± 1,0 ml | 12,5 ± 1,0 ml | 17 ± 0,5 | 18,85 ± 0,25 | 24 | 45 | 4 x 195 | |
| SVSN-C19-780 | 16 ± 1,0 ml | 17,5 ± 1,0 ml | 17 ± 0,5 | 18,85 ± 0,25 | 24 | 60 | 4 x 195 | |
| SVSN-C26-484 | 22 ± 0,5 ml | 24,5 ± 0,5 ml | 21,5 ± 0,25 | 23,65 ± 0,25 | 30 | 55 | 4 x 121 | |

## SCREW CAP FOR SAMPLE VIALS

Replacement PP screw cap with EPE joint for vials with reference SVSN



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SC04-W13-025 | white screw cap Ø13 for SVSN-C04 and -C06 | 25 | |
| SC04-W20-025 | white screw cap Ø20 for SVSN-C10, -C13 and -C19 | 25 | |
| SC04-W22-025 | white screw cap Ø22 for SVSN-C26 | 25 | |

## STAINLESS STEEL VIAL RACK

clink

For sample vials SVSN

| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TTSS-S48-001 | 30 | 160 | 122 | for 8 x 6 vials (< Ø 16 mm) | 1 | |
| TTSS-T48-001 | 30 | 209 | 160 | for 8 x 6 vials (< Ø 22 mm) | 1 | |
| TTSS-U48-001 | 35 | 210 | 176 | for 8 x 6 vials (< Ø 25 mm) | 1 | |
| TTSS-V48-001 | 40 | 275 | 205 | for 8 x 6 vials (< Ø 30 mm) | 1 | |



## STACKABLE SPECIMEN CONTAINER, SCREW CAP, PP

astiK's

Autoclavable, with raised graduation and stackable. With hermetic screw closure system. 25 ml container graduation: each 5 ml up to 20 ml, 50 ml container graduation: each 10 ml up to 40 ml, 80 ml container graduation: each 10 ml up to 60 ml, 150 ml container graduation: each 20 ml up to 130 ml. Lid available in three colours

| reference | overflow capacity | $Ø_{base}$ (mm) | $Ø_{lid}$ (mm) | $h_{total}$ (mm) | lid color | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| LCNP-030-1K0 | 25 ml | 30 | 38 | 45 | orange | 1000 | |
| LCNP-W30-1K0 | 25 ml | 30 | 38 | 45 | white | 1000 | |
| LCNP-G30-1K0 | 25 ml | 30 | 38 | 45 | green | 1000 | |
| LCNP-050-600 | 50 ml | 41 | 52 | 40 | orange | 600 | |
| LCNP-W50-600 | 50 ml | 41 | 52 | 40 | white | 600 | |
| LCNP-G50-600 | 50 ml | 41 | 52 | 40 | green | 600 | |
| LCNP-080-500 | 80 ml | 41 | 52 | 60 | orange | 500 | |
| LCNP-W80-500 | 80 ml | 41 | 52 | 60 | white | 500 | |
| LCNP-G80-500 | 80 ml | 41 | 52 | 60 | green | 500 | |
| LCNP-150-300 | 150 ml | 50 | 60 | 80 | white | 300 | |



## SPECIMEN CONTAINER RACK

clink

Made of stainless steel

| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SRSS-A12-001 | 45 | 276 | 97 | for 2 x 6 vials (< Ø 40 mm) | 1 | |
| SRSS-A32-001 | 45 | 368 | 187 | for 4 x 8 vials (< Ø 40 mm) | 1 | |
| SRSS-B12-001 | 45 | 224 | 171 | for 3 x 4 vials (< Ø 50 mm) | 1 | |
| SRSS-B24-001 | 45 | 335 | 228 | for 4 x 6 vials (< Ø 50 mm) | 1 | |



## STERILE SPECIMEN CONTAINER, POLYPROPYLENE

astiK's

Autoclavable with raised graduation and leak-proof snap closure. Sterilized by ethylene oxide (ETO). Free sterilization certificate available on the website

| reference | capacity | $h_{total}$ (mm) | $Ø_{base}$ (mm) | graduation (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SCSP-050-100 | 50 ml | 66,70 | 37 | 25 | 100 | |



## SAMPLE TRANSPORT TUBE WITH FALSE BOTTOM

Made of PP. Optimized for most of high volume analyzers, with a false bottom that allows encoding. Ideal for transporting and collecting samples, for primary and secondary sampling

| reference | normal capacity | Ø tube (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SVFB-005-500 | 5 ml | 16 | 97 | 500 | |



## FALSE BOTTOM VIAL CAP

Cap in PE. For sample vials with false bottom with reference SVFB

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SVCP-00B-1K0 | plug cap, for Ø 16 mm vial, blue colour | 1000 | |
| SVCS-00W-1K0 | screw cap, for Ø 16 mm vial, white colour | 1000 | |




## POLYPROPYLENE SAMPLING VIAL

Made of transparent PP. Hinged lid for easy one-handed operation. Graduated and ideal for milk and food sampling. Available in two versions: with and without seal

| reference | capacity | Ø (mm) | h total (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SVPP-030-200 | 30 ml | 28,5 | 76,5 | B | 200 | |
| SVPP-045-200 | 45 ml | 23 | 84 | A | 200 | |
| “Saving package” | | | | | | |
| SVPP-030-600 | 30 ml | 28,5 | 76,5 | B | 600 | |
| SVPP-045-600 | 45 ml | 23 | 84 | A | 600 | |



**STERILE SAMPLING BAGS.**

Cost saving
Food, drugs and environmental samples
Liquid and solid samples
Lot number traceability
Maximum bag mouth opening
RNAse and DNAse and pyrogen

## SAMPLE CONCENTRATOR, H150

Fast and efficient sample concentrator, PID-controlled, suitable for a wide variety of tubes. Temperature adjustable up to 150 °C with high precision. Independent gas needles prevent cross-contamination, allowing adjustment of the gas volume for each needle and operation in combined or individual modes. The gas manifold height is easily adjustable using a graduated rod. Sample block not included. Compatible with interchangeable blocks, includes a height-adjustable stand for greater safety and convenience. 220-240 V, 50/60 Hz. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SMPC-001-001 | 1-block capacity | 1 | |
| SMPC-002-001 | 2-block capacity | 1 | |
| Accessories and spare parts | | | |
| SMPC-A01-001 | block for 12 tubes of Ø6 mm | 1 | |
| SMPC-A02-001 | block for 12 tubes of Ø10 mm | 1 | |
| SMPC-A03-001 | block for 12 tubes of Ø13 mm | 1 | |
| SMPC-A04-001 | block for 12 tubes of Ø16 mm | 1 | |
| SMPC-A05-001 | block for 12 tubes of 0.2 ml | 1 | |
| SMPC-A06-001 | block for 12 tubes of 1.5 ml | 1 | |
| SMPC-A07-001 | block for 12 tubes of 2.0 ml | 1 | |

## SPE – SOLID PHASE EXTRACTION CARTRIDGES

BRANCHIA

4 types of traditional SPE de absorbents for most of commonly used applications in column of 3 or 6 ml and luer connection.

**C18**: End-capped silica-based octadecyl. Suitable for non-polar compounds. Surface area 300 $m^2/g$, particle size 40-60 µm, pore size 120 Å.

**SILICA**: Silica unbounded silica gel. Suitable for polar compounds. Surface area 480 $m^2/g$, particle size 40-75 µm, pore size 70 Å.

**FLORISIL**: Florisil pesticide grade. Suitable for halogenated and polar compounds such as multiresidual pesticides. Particle size 150-250 µm.

**$NH_2$**: Silica-based aminopropyl. Suitable for moderately polar and acidic compounds. Surface area 200 $m^2/g$, particle size 40-75 µm, pore size 100 Å







| reference | phase | quantity (mg) | volume (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SPHE-C35-050 | C18 | 500 | 3 | 50 | |
| SPHE-C65-030 | C18 | 500 | 6 | 30 | |
| SPHE-S35-050 | SILICA | 500 | 3 | 50 | |
| SPHE-S61-030 | SILICA | 1000 | 6 | 30 | |
| SPHE-F35-050 | FLORISIL | 500 | 3 | 50 | |
| SPHE-F61-030 | FLORISIL | 1000 | 6 | 30 | |
| SPHE-N35-050 | NH2 | 500 | 3 | 50 | |
| SPHE-N65-030 | NH2 | 500 | 6 | 30 | |

The Luer Lock ensures a tight seal, being crucial in medical and laboratory environments for the precise administration of liquids. To connect it to the filter, the tip with the Luer Lock thread is positioned at the top connection of the filter and twisted clockwise, achieving a secure coupling and preventing possible leaks.

BRANCHIA

## VACUUM MANIFOLD FOR SOLID PHASE EXTRACTION SPE



Compatible with SPHE and standard luer-end SPE cartridges. Made of transparent glass, high resistance to corrosion. Withstands more than 80 kPa (600 mm Hg) vacuum pressure with no deformation, long-term use. Individual valves allow vacuum control for each cartridge improving reproducibility. Joint highly resistant to corrosion and PTFE internal tube rack. Includes gauge, lid, collection rack, solvent guide needles and silicone tube. Warranty 2 years

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| MNFL-S12-001 | 12 positions | 1 | |
| MNFL-S24-001 | 24 positions | 1 | |

BRANCHIA

## NYLON SYRINGE FILTERS, NONSTERILE



Membrane made of hydrophilic Nylon 66. Suitable for sample preparation in HPLC applications. Ideal for routine analysis. Housing: Polypropylene (PP), blue color. Designed with connectors: FLL/MSL

| reference | $Ø_{outer}$ (mm) | pore (µm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SFNY-122-100 | 13 | 0,22 | 100 | |
| SFNY-145-100 | 13 | 0,45 | 100 | |
| SFNY-222-100 | 25 | 0,22 | 100 | |
| SFNY-245-100 | 25 | 0,45 | 100 | |
| “Saving package” | | | | |
| SFNY-122-1K0 | 13 | 0,22 | 10 x 100 | |
| SFNY-145-1K0 | 13 | 0,45 | 10 x 100 | |
| SFNY-222-1K0 | 25 | 0,22 | 10 x 100 | |
| SFNY-245-1K0 | 25 | 0,45 | 10 x 100 | |

BRANCHIA

## HYDROPHOBIC PTFE SYRINGE FILTERS, NONSTERILE



Suitable for sample preparation in HPLC application. Membrane made of hydrophobic Polytetrafluoroethylene (PTFE), resistant to almost all aggressive organic solvents, acids and bases. High thermal resistance. Housing: Polypropylene (PP), fuchsia color. Designed with connectors: FLL/MSL

| reference | $Ø_{outer}$ (mm) | pore (µm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SFPT-122-100 | 13 | 0,22 | 100 | |
| SFPT-145-100 | 13 | 0,45 | 100 | |
| SFPT-222-100 | 25 | 0,22 | 100 | |
| SFPT-245-100 | 25 | 0,45 | 100 | |
| “Saving package” | | | | |
| SFPT-122-1K0 | 13 | 0,22 | 10 x 100 | |
| SFPT-145-1K0 | 13 | 0,45 | 10 x 100 | |
| SFPT-222-1K0 | 25 | 0,22 | 10 x 100 | |
| SFPT-245-1K0 | 25 | 0,45 | 10 x 100 | |

## PVDF SYRINGE FILTERS, NONSTERILE

BRANCHIA

Hydrophilic. Suitable for sample preparation in HPLC application and ideal in sterilization and clarification of biological solutions. Membrane made of hydrophilic Polyvinylidene fluoride (PVDF), low protein binding membrane for filtration of non aggressive aqueous solutions and slightly organic solutions. Housing: Polypropylene (PP), yellow color. Designed with connectors: FLL/MSL




| reference | Ø outer (mm) | pore (µm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SFPV-122-100 | 13 | 0,22 | 100 | |
| SFPV-145-100 | 13 | 0,45 | 100 | |
| SFPV-222-100 | 25 | 0,22 | 100 | |
| SFPV-245-100 | 25 | 0,45 | 100 | |
| “Saving package” | | | | |
| SFPV-122-1K0 | 13 | 0,22 | 10 x 100 | |
| SFPV-145-1K0 | 13 | 0,45 | 10 x 100 | |
| SFPV-222-1K0 | 25 | 0,22 | 10 x 100 | |
| SFPV-245-1K0 | 25 | 0,45 | 10 x 100 | |

## MCE SYRINGE FILTERS, NONSTERILE

BRANCHIA

Suitable for clarification or sterilization of most typical aqueous samples. It is ideal for biological samples or culture media filtration. Membrane made of hydrophilic M.E. Cellulose (MCE), very uniform porosity and high protein retention. Housing: Polypropylene (PP), green color. Designed with connectors: FLL/MSL




| reference | Ø outer (mm) | pore (µm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SFMC-122-100 | 13 | 0,22 | 100 | |
| SFMC-145-100 | 13 | 0,45 | 100 | |
| SFMC-222-100 | 25 | 0,22 | 100 | |
| SFMC-245-100 | 25 | 0,45 | 100 | |
| “Saving package” | | | | |
| SFMC-122-1K0 | 13 | 0,22 | 10 x 100 | |
| SFMC-145-1K0 | 13 | 0,45 | 10 x 100 | |
| SFMC-222-1K0 | 25 | 0,22 | 10 x 100 | |
| SFMC-245-1K0 | 25 | 0,45 | 10 x 100 | |

**PRINCIPLES OF SPE**

**SPE is based on the selective retention of analytes on an adsorbent material, usually packed in extraction cartridges or** disks. The process is carried out in four basic steps:

1. Conditioning: Wet the adsorbent to prepare the solid phase.
2. Sample Loading: Pass the sample so that analytes adsorb onto the solid material.
3. Washing: Remove unwanted impurities or interferents.
4. Elution: Release retained analytes with an appropriate solvent to obtain the purified sample.

## BRANCHIA | CA SYRINGE FILTERS



Ideal for aqueous based samples and suitable for all those applications in which the maximum recovery of proteins is required. Membrane made of Cellulose Acetate (CA) inherently hydrophilic. Low protein retention. High mechanical strength. Housing: Polypropylene (PP), fuchsia color. Designed with connectors: FLL/MSL. Sterile reference is individually packed and sterilized by Gamma Radiation. Free sterilization certificate available on the website

| reference | Ø outer (mm) | pore (µm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SFCA-122-100 | 13 | 0,22 | non sterile | 100 | |
| SFCA-145-100 | 13 | 0,45 | non sterile | 100 | |
| SFCA-222-100 | 25 | 0,22 | non sterile | 100 | |
| SFCA-245-100 | 25 | 0,45 | non sterile | 100 | |
| SFCA-12E-100 | 13 | 0,22 | sterile | 100 | |
| SFCA-14E-100 | 13 | 0,45 | sterile | 100 | |
| SFCA-22E-050 | 25 | 0,22 | sterile | 50 | |
| SFCA-24E-050 | 25 | 0,45 | sterile | 50 | |
| “Saving package” | | | | | |
| SFCA-122-1K0 | 13 | 0,22 | non sterile | 10 x 100 | |
| SFCA-145-1K0 | 13 | 0,45 | non sterile | 10 x 100 | |
| SFCA-222-1K0 | 25 | 0,22 | non sterile | 10 x 100 | |
| SFCA-245-1K0 | 25 | 0,45 | non sterile | 10 x 100 | |

## BRANCHIA | PES SYRINGE FILTERS



Suitable for culture media assays. Membrane made of Polyethersulfone (PES), inherently hydrophilic. Fast filtration speed. Membrane mechanically very strong and resistant to an extensive range of aqueous solvents. Low protein retention. Housing: Polypropylene (PP), light green. Designed with connectors: FLL/MSL. Sterile reference is individually packed and sterilized by Gamma Radiation. Free sterilization certificate available on the website

| reference | Ø outer (mm) | pore (µm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SFPE-122-100 | 13 | 0,22 | non sterile | 100 | |
| SFPE-145-100 | 13 | 0,45 | non sterile | 100 | |
| SFPE-222-100 | 25 | 0,22 | non sterile | 100 | |
| SFPE-245-100 | 25 | 0,45 | non sterile | 100 | |
| SFPE-12E-100 | 13 | 0,22 | sterile | 100 | |
| SFPE-14E-100 | 13 | 0,45 | sterile | 100 | |
| SFPE-22E-050 | 25 | 0,22 | sterile | 50 | |
| SFPE-24E-050 | 25 | 0,45 | sterile | 50 | |
| “Saving package” | | | | | |
| SFPE-122-1K0 | 13 | 0,22 | non sterile | 10 x 100 | |
| SFPE-145-1K0 | 13 | 0,45 | non sterile | 10 x 100 | |
| SFPE-222-1K0 | 25 | 0,22 | non sterile | 10 x 100 | |
| SFPE-245-1K0 | 25 | 0,45 | non sterile | 10 x 100 | |

## HAND CRIMPER AND DECAPPER

METRIA

To crimp and to de-crimp vials with aluminum caps

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| Crimpers (A) | | | |
| VCRI-C11-001 | crimpers for Ø11 mm caps (A) | 1 | |
| VCRI-C20-001 | crimpers for Ø20 mm caps (A) | 1 | |
| Decappers (B) | | | |
| VCRI-D11-001 | decappers for Ø11 mm caps (B) | 1 | |
| VCRI-D20-001 | decappers for Ø20 mm caps (B) | 1 | |
| Plier type decappers (C) | | | |
| VCRI-P20-001 | plier type decappers for Ø20 mm caps (C) | 1 | |




## CRIMP VIAL FOR CHROMATOGRAPHY, 12 X 32 mm, 2 ml

METRIA

Borosilicate glass Kimble 5.1. Wide mouth (internal diameter 6,2 mm) for an optimal injection. Use aluminium crimp caps 11 mm

| reference | Ø (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CV01-C20-100 | 11,6 | 32 | clear | 100 | |
| CV01-A20-100 | 11,6 | 32 | amber | 100 | |
| CVP1-C02-100 | 11,6 | 32 | clear with write-on patch | 100 | |
| “Saving package” | | | | | |
| CV01-C20-1K0 | 11,6 | 32 | clear | 10 x 100 | |
| CV01-A20-1K0 | 11,6 | 32 | amber | 10 x 100 | |
| CVP1-C02-1K0 | 11,6 | 32 | clear with write-on patch | 10 x 100 | |



## ALUMINUM CRIMP CAP WITH SEPTA SILICON/PTFE

METRIA

For vials with beaded rim and cap size 11 mm

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| CC01-S02-100 | red silicone/PTFE septa | 100 | |
| “Saving package” | | | |
| CC01-S02-1K0 | red silicone/PTFE septa | 10 X 100 | |



## SAVING PACKAGE: KIT OF 1000 CRIMP VIALS AND 1000 CRIMP CAPS WITH SEPTUM

METRIA

We supply 10 cartons of 100 crimp vials and 10 bags of 100 crimp caps with septum silicon/PTFE

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CVCC-C2S-1K0 | 1000 vials CV01-C20 + 1000 crimp caps CC01-S02 | 1000 | |
| CVCC-A2S-1K0 | 1000 vials CV01-A20 + 1000 crimp caps CC01-S02 | 1000 | |
| CVPC-CS2-1K0 | 1000 vials CVP1-C02 + 1000 crimp caps CC01-S02 | 1000 | |







## METRIA SCREW VIAL FOR CHROMATOGRAPHY, 12 X 32 mm, 2 ml, SCREW CAP

Borosilicate glass Kimble 5.1. Wide mouth (internal diameter 6,2 mm) for an optimal injection. Use screw caps 9-425

| reference | Ø (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SV02-C20-100 | 11,6 | 32 | clear | 100 | |
| SV02-A20-100 | 11,6 | 32 | amber | 100 | |
| SVP2-C02-100 | 11,6 | 32 | clear with write-on patch | 100 | |
| SVP2-A02-100 | 11,6 | 32 | amber with write-on patch | 100 | |
| “Saving package” | | | | | |
| SV02-C20-1K0 | 11,6 | 32 | clear | 10 x 100 | |
| SV02-A20-1K0 | 11,6 | 32 | amber | 10 x 100 | |
| SVP2-C02-1K0 | 11,6 | 32 | clear with write-on patch | 10 x 100 | |
| SVP2-A02-1K0 | 11,6 | 32 | amber with write-on patch | 10 x 100 | |



## METRIA CHROMATOGRAPHY VIAL, 12 X 32 mm, WITH INSERTS

USP Type I borosilicate glass. Integrated inserts. Available with various cap mouth options: 9-425 thread, Snap Top, and crimpable

| reference | Ø (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SV02-C02-100 | 11,6 | 32 | 0,2 ml, thread 9-425, clear | 100 | |
| CV01-C02-100 | 11,6 | 32 | 0,2 ml, snap-top, clear | 100 | |
| STV2-C02-100 | 11,6 | 32 | 0,2 ml, crimpable, clear | 100 | |



## METRIA PP SCREW VIAL FOR CHROMATOGRAPHY, 12 X 32 mm, 2 ml

Wide mouth (internal diameter 6,2 mm) for an optimal injection. Use screw caps 9-425

| reference | Ø (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SV02-P20-100 | 11,6 | 32 | clear | 100 | |
| SV02-P2A-100 | 11,6 | 32 | amber | 100 | |



## METRIA CHROMATOGRAPHY VIAL IN PP, 12 X 32 mm, WITH INSERTS

Integrated inserts. Various types available: 9-425 thread or snap-top with volumes of 0,3 ml and 0,7 ml

| reference | Ø (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SV02-P03-100 | 11,6 | 32 | 0,3 ml, thread 9-425, clear | 100 | |
| SV02-PA3-100 | 11,6 | 32 | 0,3 ml, thread 9-425, amber | 100 | |
| STV2-P03-100 | 11,6 | 32 | 0,3 ml, snap-top, clear | 100 | |
| STV2-P07-100 | 11,6 | 32 | 0,7 ml, snap-top, clear | 100 | |
| SV02-P07-100 | 11,6 | 32 | 0,7 ml, thread 9-425, clear | 100 | |

## HIGH RECOVERY VIAL FOR CROMATOGRAPHY

METRIA

1,5 ml high recovery vial with flat base and 9-425 screw thread. Made of borosilicate glass LBG 3.3. Suitable for very valuable samples, maximum retrieval of the sample guaranteed. Available in clear glass and amber glass

| reference | Ø (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SH01-015-100 | 11,6 | 32,5 | clear | 100 | |
| SH01-A15-100 | 11,6 | 32,5 | amber | 100 | |



## SCREW CAP WITH SEPTA SILICON/PTFE

METRIA

Caps made of polypropylene suitable for screw caps 9-425. In “Pre-slit” reference, septa is prepierced for an optimal injection

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SC02-W02-100 | silicone/PTFE septa, blue | 100 | |
| SC02-R02-100 | silicone/PTFE septa, red | 100 | |
| SC02-G02-100 | silicone/PTFE septa, green | 100 | |
| SC02-P02-100 | pre-slit silicone/PTFE septa, blue | 100 | |
| “Saving package” | | | |
| SC02-W02-1K0 | silicone/PTFE septa, blue | 10 x 100 | |
| SC02-R02-1K0 | silicone/PTFE septa, red | 10 x 100 | |
| SC02-G02-1K0 | silicone/PTFE septa, green | 10 x 100 | |
| SC02-P02-1K0 | pre-slit silicone/PTFE septa, blue | 10 x 100 | |



## SAVING PACKAGE: KIT OF 1000 SCREW VIALS AND 1000 SCREW CAPS WITH SEPTUM

METRIA

We supply 10 cartons of 100 screw vials and 10 bags of 100 screw caps with septum silicon/PTFE

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| With silicon/PTFE septa | | | |
| SVSC-C20-1K0 | 1000 vials SV02-C20 1000 caps SC02-W02 with silicon/PTFE septa | 1000 | |
| SVSC-A20-1K0 | 1000 vials SV02-A20 1000 caps SC02-W02 with silicon/PTFE septa | 1000 | |
| SVPC-C20-1K0 | 1000 vials SVP2-C02 1000 caps SC02-W02 with silicon/PTFE septa | 1000 | |
| SVPC-A20-1K0 | 1000 vials SVP2-A02 1000 caps SC02-W02 with silicon/PTFE septa | 1000 | |
| With silicon/PTFE “pre-slit” septa | | | |
| SVSC-C2P-1K0 | 1000 vials SV02-C20 1000 caps SC02-W02 with silicon/PTFE septa | 1000 | |
| SVSC-A2P-1K0 | 1000 vials SV02-C20 1000 caps SC02-W02 with silicon/PTFE septa | 1000 | |
| SVPC-CP2-1K0 | 1000 vials SV02-C20 1000 caps SC02-W02 with silicon/PTFE septa | 1000 | |
| SVPC-AP2-1K0 | 1000 vials SV02-C20 1000 caps SC02-W02 with silicon/PTFE septa | 1000 | |



## METRIA | SCREW CAP FOR VIALS WITH ATTACHED SILICONE/PTFE SEPTA



Polypropylene caps suitable for vials with 9-425 threads. Septa attached to the cap to prevent it from falling off when using blunt needles. In the “pre-slit” model, the septa is pre-perforated for optimal injection

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SC02-BN2-100 | silicone/PTFE septa | 100 | |
| SC02-BW2-100 | pre-slit silicone/PTFE septa | 100 | |

## METRIA | ULTRACLEAN VIALS FOR CROMATOGRAPHY KIT





Preassembled kit of 2 ml UltraClean vials + polypropylene screw caps (9-425). Special for contamination-free sampling and sensitive testing, it is widely used for GC-MS, LC-MS and MS-MS as well as being a good solution for avoiding ghost peaks in chromatography. In the “pre-slit” model, the septum is pre-pierced for optimal injection. Vials have a flat bottom, writing area. Available in clear glass and amber glass. Each kit has its own certificate

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SVC2-P02-100 | clear, silicone/PTFE septa | 100 | |
| SVC2-W02-100 | clear, pre-slit silicone/PTFE septa | 100 | |
| SVC2-PA2-100 | amber, silicone/PTFE septa | 100 | |
| SVC2-WA2-100 | amber, pre-slit silicone/PTFE septa | 100 | |

## METRIA | *SNAP-TOP* VIAL FOR CHROMATOGRAPHY, 2 ml



Borosilicate glass USP type I, wide mouth and flat base. Designed to be used with plastic snap top caps. These caps eliminate the need for crimping. They simply snap over the top of the vial, sealing the contents safe inside

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| STV2-C20-100 | clear | 100 | |
| STV2-A20-100 | amber | 100 | |
| STP2-C20-100 | clear with write-on patch | 100 | |
| STP2-A20-100 | amber with write-on patch | 100 | |

## METRIA | SNAP CAP FOR *SNAP-TOP* VIALS WITH PTFE/SILICONE SEPTUM



Snap cap with red PTFE (11mm)/White Silicone (1mm) (0,04”) septum

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| STC2-P20-100 | septa white silicon / red PTFE | 100 | |
| STC2-W20-100 | septa pre-slit white silicon / red PTFE | 100 | |

## INSERT FOR 2 ml CHROMATOGRAPHY VIALS

METRIA

Clear glass, flat-base, conical base or conical base with polyspring. For use with 2 mL screw top vials

| reference | Ø x h (mm) | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SVI2-FBA-100 | 6 x 31 | 300 µl | flat base | 100 | |
| SVI2-CBA-100 | 6 x 31 | 250 µl | conical base | 100 | |
| SVI2-CBP-100 | 6 x 29 | 200 µl | conical base with Polyspring | 100 | |

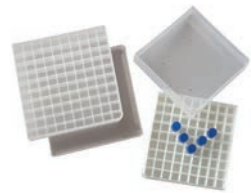


## PLASTIC FREEZER BOX FOR CHROMATOGRAPHY VIALS

astiK's

Made of polypropylene. Suitable for freezing. Natural colour

| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FBXP-081-001 | 51 | 128 | 128 | up to 81 vials 1,8/2 ml (Ømax. 12 mm) | 1 | |
| FBXP-100-001 | 53 | 140 | 140 | up to 100 vials 1,8/2 ml (Ømax. 12 mm) | 1 | |



## PLASTIC VIAL FREEZER BOX WITH HINGED LID

astiK's

Made of polypropylene. Autoclavable and suitable for freezing (withstand temperatures from-130 °C up to +130 °C)

| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| FBXP-K03-001 | 50 | 140 | 140 | clear/yellow, for 100 tubes (Ømax. 12 mm) | 1 | |
| FBXP-K04-001 | 50 | 140 | 140 | clear/blue, for 100 tubes (Ømax. 12 mm) | 1 | |



## STAINLESS STEEL RACK FOR CHROMATOGRAPHY VIAL

clink

For chromatography vials 12 x 32 mm. Hole diameter ~14 mm

| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TTSS-R24-001 | 25 | 86 | 64 | for 6 x 4 chromatography vials | 1 | |
| TTSS-R50-001 | 25 | 150 | 80 | for 10 x 5 chromatography vials | 1 | |



## CHROMATOGRAPHY SCREW TOP VIALS, 4 ml, 15 X 45 mm

METRIA

Borosilicate glass USP type I. Wide mouth, flat base and 13-425 (ND13) screw thread

| reference | Ø (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SV04-C40-100 | 15 | 45 | clear | 100 | |
| SV04-A40-100 | 15 | 45 | amber | 100 | |
| SVP4-C40-100 | 15 | 45 | clear with write-on patch | 100 | |
| SVP4-A40-100 | 15 | 45 | amber with write-on patch | 100 | |





## METRIA | OPEN TOP SCREW CAP WITH 13-425 THREAD, PTFE/SILICONE SEPTUM

Black polypropylene (PP) cap, 13-425 thread, open top with 13 mm thick red PTFE/White Silicone, 1,5mm (0,06") thick septum. For use with 4mL vial

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SC04-R40-100 | septa white silicon / red PTFE | 100 | |



## METRIA | HEADSPACE CRIMP VIAL, 20 mm MOUTH

USP Type I

Borosilicate clear glass USP type I, beveled edge

| reference | Ø x h (mm) | vol. (ml) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CHVF-C10-100 | 22,5 x 46 | 10 | flat bottom | 100 | |
| CHVR-C10-100 | 22,5 x 46 | 10 | flat-rounded bottom | 100 | |
| CHVF-C20-100 | 22,5 x 75 | 20 | flat bottom | 100 | |
| CHVR-C20-100 | 22,5 x 75 | 20 | flat-rounded bottom | 100 | |



## METRIA | ALUMINIUM CRIMP CAP, Ø20 mm, WITH SEPTUM

Open top with a 10mm hole and 3 mm (0,125") thick septum

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| CHCA-S20-100 | septa white silicon / natural PTFE | 100 | |
| CHCA-B20-100 | moulded septa butyl / natural PTFE | 100 | |



## METRIA | SHELL VIAL, 1 ml

Flat base, clear glass with plug

| reference | Ø x h (mm) | vol. (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SHV1-C40-200 | 8 x 40 | 1 | 200 | |



## labkem | SILICA GEL FOR COLUMN CHROMATOGRAPHY

High purity silica gel with a structure of pores of the highest quality, its appearance is a white granulate of homogeneous size. It is used as a carrier material for chromatography, but also for the separation and purification of medicine compounds as well as in the refining of oleic, petroleum products and aromatic hydrocarbons

| reference | particle size | pore | package | price/ pack |
|---|---|---|---|---|
| SGEC-200-500 | 0,063 - 0,200 mm | 60 Å | 500 g | |
| SGEC-060-500 | 0,040 - 0,063 mm | 60 Å | 500 g | |

## PP RACK FOR CROMATOGRAPHY VIALS

METRIA

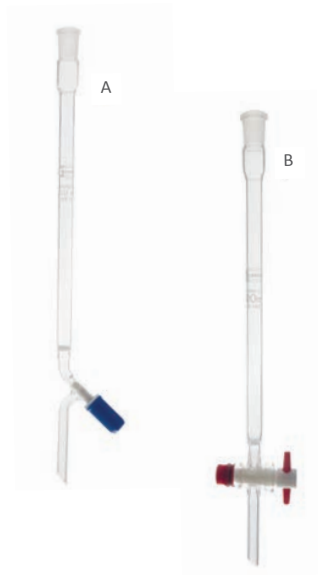
Chromatography vial rack. Capacity for 50 vials. Available in two sizes for 2 ml and 4 ml vials

| reference | h (mm) | l (mm) | w (mm) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| RCVL-002-001 | 21 | 190 | 103 | for 2 ml vials (Ø 12 mm), blue | 1 | |
| RCVL-R02-001 | 21 | 190 | 103 | for 2 ml vials (Ø 12 mm), red | 1 | |
| RCVL-N02-001 | 21 | 190 | 103 | for 2 ml vials (Ø 12 mm), orange | 1 | |
| RCVL-004-001 | 30 | 235 | 121 | for 4 ml vials (Ø 16 mm), blue | 1 | |




## GLASS CHROMATOGRAPHY COLUMNS

Top quality 3.3 borosilicate glass, chemical resistant, to be used with SGEC-200-500 or SGEC-060-500 in chromatographic applications. 2 types: (A)With PTFE needle valve stopcock: PTFE Rotaflo stopcock for fine control of eluent flow, sintered disc, socket for reservoirs and porosity 0 (B) With PTFE key stopcock: Sinthered frit disc, PTFE stopcock (bore: 0-2,5mm), socket and porosity 0




| reference | Ø x h (mm) | vol. (ml) | socket size (female) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| GLAC-N02-001 | 10 x 200 | 15 | 14/23 | A | 1 | |
| GLAC-N03-001 | 10 x 300 | 20 | 14/23 | A | 1 | |
| GLAC-N05-001 | 20 x 200 | 60 | 19/26 | A | 1 | |
| GLAC-N07-001 | 20 x 400 | 120 | 19/26 | A | 1 | |
| GLAC-N11-001 | 30 x 400 | 270 | 29/32 | A | 1 | |
| GLAC-N12-001 | 30 x 500 | 340 | 29/32 | A | 1 | |
| GLAC-K01-001 | 10 x 100 | 8 | 14/23 | B | 1 | |
| GLAC-K02-001 | 10 x 200 | 15 | 14/23 | B | 1 | |
| GLAC-K03-001 | 15 x 200 | 35 | 14/23 | B | 1 | |
| GLAC-K04-001 | 10 x 300 | 23 | 14/23 | B | 1 | |
| GLAC-K05-001 | 20 x 400 | 125 | 29/32 | B | 1 | |
| GLAC-K07-001 | 30 x 600 | 430 | 29/32 | B | 1 | |

## THIN LAYER CHROMATOGRAPHY PLATES (TLC)

METRIA

Silica gel plates backed with aluminium or glass for TLC in different sizes. Silica gel: particle size 5-17 µm, pore size 60 Å, specific pore volume 0,75 ml/g, specific surface area 500 $m^2$/g. Aluminium backed plates: Coating thickness 0,15-0,20 mm, Sodium organic acid as a binder. Glass backed plates: Coating thickness 0,20-0,25mm, Acrylics and/ or customized agents as binder



| reference | dimensions (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| TLCP-AI0-250 | 25 x 75 | backed in aluminium with F254 | 250 | |
| TLCP-AI1-080 | 50 x 100 | backed in aluminium with F254 | 80 | |
| TLCP-AI2-020 | 100 x 200 | backed in aluminium with F254 | 20 | |
| TLCP-AI3-020 | 200 x 200 | backed in aluminium with F254 | 20 | |
| TLCP-AN3-020 | 200 x 200 | backed in aluminium without F254 | 20 | |
| TLCP-GI1-160 | 50 x 100 | backed in glass with F254 | 160 | |
| TLCP-GI2-040 | 100 x 200 | backed in glass with F254 | 40 | |
| TLCP-GI3-020 | 200 x 200 | backed in glass with F254 | 20 | |
| TLCP-GN3-020 | 200 x 200 | backed in glass without F254 | 20 | |



## LBG | SQUARED GLASS CHAMBER

In soda-lime glass, includes lid. Suitable for TLC and other purposes

| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| SGCH-S01-001 | 215 x 140 x 100 (mm) | 1 | |
| SGCH-S02-001 | 220 x 140 x 140 (mm) | 1 | |
| SGCH-S03-001 | 225 x 125 x 225 (mm) | 1 | |

## astiK's | PP SAFETY CAPS WITH GL45 THREAD

Designed to prevent the evaporation of volatile compounds. Compatible with bottles and jars with GL45 threads. Available with 2, 3, or 4 tube connection ports







| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SFCP-B23-001 | blue, 2 ports for 3.2 mm tubes | 1 | |
| SFCP-R33-001 | red, for 3 ports for 3.2 mm tubes | 1 | |
| SFCP-Y43-001 | yellow, for 4 ports for 3.2 mm tubes | 1 | |
| SFCP-B21-001 | blue, 2 ports for 1.6 mm tubes | 1 | |
| SFCP-R31-001 | red, for 3 ports for 1.6 mm tubes | 1 | |
| SFCP-Y41-001 | yellow, for 4 ports for 1.6 mm tubes | 1 | |
| Accessories and spare parts | | | |
| SFCP-A01-005 | 10-32unf PEEK connection for 1.6 mm tubes | 5 | |
| SFCP-A02-005 | 1/4-28 PEEK connection for 3.2 mm tubes | 5 | |
| SFCP-A03-005 | 10-32unf PEEK blind plug 1.6 mm | 5 | |

## LABKEM SOLVENTS FOR CHROMATOGRAPHY

Solvent purity is crucial to the quality of analytical results. HPLC, GC, and LC/MS grade solvents available in the Chemical Reagents chapter (see p. 367) ensure minimal background interference and excellent reproducibility.

- Full range including the most common solvents such as Acetonitrile, Methanol, Water, among others.
- Available in 2.5 L and 4 L bottles designed to prevent contamination.

Refer to the Chemical Reagents chapter for all available formats.



## TEST TUBE HOLDER

Made of spring steel wire. Lenght: 17 cm

clink



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TTHS-001-002 | stainless steel, for tubes Ø 6 - 32 mm | 2 | |

## TEST TUBE HOLDER

Made of wood, total length 20 cm



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TTHW-001-001 | hard wood, for tubes up to Ø 20 mm | 1 | |
| "Saving package" | | | |
| TTHW-001-010 | hard wood, for tubes up to Ø 20 mm | 10 | |

## PLASTIC TEST TUBES

Round bottom. Packed in polybags. Made of polystyrene (PS) (clear) or polypropylene (PP) (translucent)

astiK's



| reference | composition | capacity | $Ø_{outer}$ (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| Made of polyestyrene (PS) | | | | | | |
| TUPS-126-500 | PS | 3 ml | 12 | 60 | 500 | |
| TUPS-127-500 | PS | 5 ml | 12 | 75 | 500 | |
| TUPS-137-500 | PS | 5 ml | 13 | 75 | 500 | |
| TUPS-130-500 | PS | 8 ml | 13 | 100 | 500 | |
| TUPS-160-500 | PS | 10 ml | 16 | 100 | 500 | |
| Made of polypropylene (PP) | | | | | | |
| TUPP-126-500 | PP | 3 ml | 12 | 60 | 500 | |
| TUPP-127-500 | PP | 5 ml | 12 | 75 | 500 | |
| TUPP-137-500 | PP | 5 ml | 13 | 75 | 500 | |
| TUPP-130-500 | PP | 8 ml | 13 | 100 | 500 | |
| TUPP-160-500 | PP | 10 ml | 16 | 100 | 500 | |

BRANCHIA



**Learn about our range of sterile and non-sterile (autoclavable) BRANCHIA syringe filters.**

With high filtration speed and adequate protein retention for each application, such as:

-Sterilization of aqueous and biological samples and pharmaceutical solutions
-Sterile filtration of culture media and additives
-Bacteria filtration in solvents



## LBG TEST TUBE, BOROSILICATE GLASS

Made of borosilicate glass LBG 3.3. Without rim

| reference | capacity | Ø outer (mm) | l (mm) | thickness (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TU02-127-250 | 5 ml | 12 | 75 | 0,8 | 250 | |
| TU02-120-250 | 7 ml | 12 | 100 | 0,8 | 250 | |
| TU02-130-250 | 8 ml | 13 | 100 | 0,8 - 1,0 | 250 | |
| TU02-160-250 | 10 ml | 16 | 100 | 1,0 | 250 | |
| TU02-165-250 | 16 ml | 16 | 150 | 1,0 | 250 | |
| TU02-170-250 | 17 ml | 16 | 160 | 1,0 | 250 | |
| “Saving package” | | | | | | |
| TU02-127-2K0 | 5 ml | 12 | 75 | 0,8 | 8 x 250 | |
| TU02-120-2K0 | 7 ml | 12 | 100 | 0,8 | 8 x 250 | |
| TU02-130-2K0 | 8 ml | 13 | 100 | 0,8 - 1,0 | 8 x 250 | |
| TU02-160-1K0 | 10 ml | 16 | 100 | 1,0 | 4 x 250 | |
| TU02-165-1K0 | 16 ml | 16 | 150 | 1,0 | 4 x 250 | |
| TU02-170-1K0 | 17 ml | 16 | 160 | 1,0 | 4 x 250 | |



## LBG TEST TUBE, NEUTRAL GLASS

Made of neutral glass LBG N. Without rim

| reference | capacity | Ø outer (mm) | l (mm) | thickness (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TU04-105-250 | 2,5 ml | 10 | 50 | 0,8 - 1,0 | 250 | |
| TU04-107-250 | 3,5 ml | 10 | 75 | 0,8 - 1,0 | 250 | |
| TU04-127-250 | 5 ml | 12 | 75 | 0,8 - 1,0 | 250 | |
| TU04-120-250 | 7 ml | 12 | 100 | 0,8 - 1,0 | 250 | |
| TU04-130-250 | 8 ml | 13 | 100 | 0,8 - 1,0 | 250 | |
| TU04-160-100 | 10 ml | 16 | 100 | 1,0 - 1,2 | 100 | |
| TU04-165-100 | 16 ml | 16 | 150 | 1,0 - 1,2 | 100 | |
| TU04-170-250 | 17 ml | 16 | 160 | 1,0 -1,2 | 250 | |
| TU04-200-100 | 45 ml | 20 | 200 | 1,0 - 1,2 | 100 | |
| TU04-225-100 | 70 ml | 25 | 200 | 1,0 - 1,2 | 100 | |
| TU04-250-100 | 90 ml | 25 | 250 | 1,0 - 1,2 | 100 | |
| “Saving package” | | | | | | |
| TU04-105-2K0 | 2,5 ml | 10 | 50 | 0,8 - 1,0 | 8 x 250 | |
| TU04-107-2K0 | 3,5 ml | 10 | 75 | 0,8 - 1,0 | 8 x 250 | |
| TU04-127-2K0 | 5 ml | 12 | 75 | 0,8 - 1,0 | 8 x 250 | |
| TU04-120-2K0 | 7 ml | 12 | 100 | 0,8 - 1,0 | 8 x 250 | |
| TU04-130-2K0 | 8 ml | 13 | 100 | 0,8 - 1,0 | 8 x 250 | |
| TU04-160-1K0 | 10 ml | 16 | 100 | 1,0 - 1,2 | 10 x 100 | |
| TU04-165-600 | 16 ml | 16 | 150 | 1,0 - 1,2 | 6 x 100 | |
| TU04-170-1K0 | 17 ml | 16 | 160 | 1,0 -1,2 | 4 x 250 | |
| TU04-200-400 | 45 ml | 20 | 200 | 1,0 - 1,2 | 4 x 100 | |
| TU04-225-400 | 70 ml | 25 | 200 | 1,0 - 1,2 | 4 x 100 | |
| TU04-250-400 | 90 ml | 25 | 250 | 1,0 - 1,2 | 4 x 100 | |

## DISPOSABLE GLASS TEST TUBE

LBG

Made of neutral glass LBG N without rim. 0,6 mm wall thickness

| reference | capacity | Ø outer (mm) | l (mm) | thickness (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TU05-107-250 | 3 ml | 10 | 75 | 0,6 | 250 | |
| TU05-127-250 | 5 ml | 12 | 75 | 0,6 | 250 | |
| TU05-120-250 | 7 ml | 12 | 100 | 0,6 | 250 | |
| TU05-130-250 | 7 ml | 13 | 100 | 0,6 | 250 | |
| "Saving package" | | | | | | |
| TU05-107-2K0 | 3 ml | 10 | 75 | 0,6 | 8 x 250 | |
| TU05-127-2K0 | 5 ml | 12 | 75 | 0,6 | 8 x 250 | |
| TU05-120-2K0 | 7 ml | 12 | 100 | 0,6 | 8 x 250 | |
| TU05-130-2K0 | 7 ml | 13 | 100 | 0,6 | 8 x 250 | |



## CONICAL TUBE WITH RIM

astiK's

Conical tube with rim of 15 ml and dimensions of 17.5 x 120 mm. Features molded graduations every 1/2 ml up to 15 ml

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TUCB-15P-250 | made of PS | 250 | |
| TUCB-15S-250 | made of PP | 250 | |



## TEST TUBE, PTFE

astiK's

Molded from PTFE with heavy wall construction and smooth internal finish. Chemically inert, usable up to 280 °C

| reference | capacity | Ø (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TPTF-017-001 | 17 ml | 18 | 100 | round bottom | 1 | |
| TPTF-050-001 | 50 ml | 25 | 145 | round bottom | 1 | |
| TPTF-C18-001 | 18 ml | 18 | 120 | conical bottom | 1 | |



## TEST TUBE STOPPER

astiK's

Made of polyethylene. Flange type. For our plastic test tubes references TUPP and TUPS

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TUST-N12-1K0 | for Ø12 mm test tubes, neutral color | 1000 | |
| TUST-R12-1K0 | for Ø12 mm test tubes, red color | 1000 | |
| TUST-B12-1K0 | for Ø12 mm test tubes, blue color | 1000 | |
| TUST-N13-1K0 | for Ø13 mm test tubes, neutral color | 1000 | |
| TUST-B13-1K0 | for Ø13 mm test tubes, blue color | 1000 | |
| TUST-R13-1K0 | for Ø13 mm test tubes, red color | 1000 | |
| TUST-N16-1K0 | for Ø16 mm test tubes, neutral color | 1000 | |
| TUST-R16-1K0 | for Ø16 mm test tubes, red color | 1000 | |
| TUST-B16-1K0 | for Ø16 mm test tubes, blue color | 1000 | |



## TEST TUBE STOPPER

Made of polypropylene. For our glass test tubes references TU02, TU04 and TU05



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| PUST-N13-500 | for Ø13 mm test tubes, neutral color | 500 | |
| PUST-R13-500 | for Ø13 mm test tubes, red color | 500 | |
| PUST-B13-500 | for Ø13 mm test tubes, blue color | 500 | |
| PUST-N16-500 | for Ø16 mm test tubes, neutral color | 500 | |
| PUST-R16-500 | for Ø16 mm test tubes, red color | 500 | |
| PUST-B16-500 | for Ø16 mm test tubes, blue color | 500 | |
| PUST-N20-250 | for Ø20 mm test tubes, neutral color | 250 | |
| PUST-R20-250 | for Ø20 mm test tubes, red color | 250 | |
| PUST-B20-250 | for Ø20 mm test tubes, blue color | 250 | |
| PUST-N25-250 | for Ø25 mm test tubes, neutral color | 250 | |
| PUST-R25-250 | for Ø25 mm test tubes, red color | 250 | |
| PUST-B25-250 | for Ø25 mm test tubes, blue color | 250 | |

## DUAL-POSITION CAP FOR TEST TUBES

Natural color, made of polyethylene. Offers a dual position once placed on the tube; a loose position for aerobic work or a sealed position for anaerobic cultures



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TUDP-012-1K0 | for Ø 12 mm tubes | 1000 | |
| TUDP-017-500 | for Ø 17 mm tubes | 500 | |

## MULTI-POSITION STOPPER FOR TEST TUBES

Made of polyethylene. Adaptable to diameters of 10, 12, 13, and 16 mm



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TUMF-00W-1K0 | clear | 1000 | |
| TUMF-00B-1K0 | blue | 1000 | |
| TUMF-00G-1K0 | green | 1000 | |
| TUMF-00R-1K0 | red | 1000 | |
| TUMF-00Y-1K0 | yellow | 1000 | |

## FLEXIBLE STOPPER FOR TEST TUBES

astiK's

Made of polyethylene. Flexible, it conforms to the tube's mouth. Available for tubes with a diameter of 13 mm and for tubes with a diameter of 16 mm

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TUFC-W13-1K0 | for Ø 13 mm tubes, clear | 1000 | |
| TUFC-R13-1K0 | for Ø 13 mm tubes, red | 1000 | |
| TUFC-B13-1K0 | for Ø 13 mm tubes, blue | 1000 | |
| TUFC-G13-1K0 | for Ø 13 mm tubes, green | 1000 | |
| TUFC-W16-1K0 | for Ø 16 mm tubes, clear | 1000 | |
| TUFC-R16-1K0 | for Ø 16 mm tubes, red | 1000 | |
| TUFC-B16-1K0 | for Ø 16 mm tubes, blue | 1000 | |
| TUFC-G16-1K0 | for Ø 16 mm tubes, green | 1000 | |



## RUBBER STOPPER, SOLID

astiK's

Made of natural rubber, red

| reference | $Ø_{top}$ (mm) | $Ø_{bottom}$ (mm) | h (mm) | for containers with inner-Ø | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| STOR-009-025 | 9 | 6 | 16 | 7,5 ± 0,5 mm | 25 | |
| STOR-013-025 | 13 | 9 | 15,5 | 11 ± 0,5 mm | 25 | |
| STOR-014-025 | 14 | 11 | 18,5 | 12,5 ± 0,5 mm | 25 | |
| STOR-016-025 | 16,5 | 13 | 20 | 15 ± 0,5 mm | 25 | |
| STOR-019-025 | 19 | 14 | 21 | 16,5 ± 0,5 mm | 25 | |
| STOR-021-020 | 21 | 15 | 22 | 18 ± 0,5 mm | 20 | |
| STOR-022-020 | 22,5 | 17,5 | 23 | 20 ± 0,5 mm | 20 | |
| STOR-026-010 | 26,5 | 21 | 27,5 | 24 ± 0,5 mm | 10 | |
| STOR-028-010 | 28 | 21,5 | 31 | 25 ± 0,5 mm | 10 | |
| STOR-030-010 | 30 | 26 | 33 | 28 ± 0,5 mm | 10 | |
| STOR-032-010 | 32,5 | 28,5 | 32,5 | 30,5 ± 0,5 mm | 10 | |
| STOR-037-010 | 37,5 | 28,5 | 44 | 33 ± 0,5 mm | 10 | |
| STOR-041-010 | 41,5 | 32 | 42,5 | 37 ± 0,5 mm | 10 | |
| STOR-049-010 | 49,5 | 40 | 40,5 | 45 ± 0,5 mm | 10 | |



labkem

DETERGENTS FOR LABORATORY USE LABKEM CLEANER
for manual cleaning or automatic washing machine see p. 359

- Ideal for use with laboratory materials such as glass, plastic, stainless steel and porcelain
- Biodegradable
- Highly effective



## PERFORATED RUBBER STOPPER, SOLID

Made of natural rubber, red



| reference | Ø top (mm) | Ø bottom (mm) | h (mm) | for containers with inner-Ø | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| STOR-H13-025 | 13 | 9 | 15,5 | 11 ± 0,5 mm | 25 | |
| STOR-H14-025 | 14 | 11 | 18,5 | 12,5 ± 0,5 mm | 25 | |
| STOR-H16-025 | 16,5 | 13 | 20 | 15 ± 0,5 mm | 25 | |
| STOR-H19-025 | 19 | 14 | 21 | 16,5 ± 0,5 mm | 25 | |
| STOR-H21-020 | 21 | 15 | 22 | 18 ± 0,5 mm | 20 | |
| STOR-H22-020 | 22,5 | 17,5 | 23 | 20 ± 0,5 mm | 20 | |
| STOR-H26-010 | 26,5 | 21 | 27,5 | 24 ± 0,5 mm | 10 | |
| STOR-H28-010 | 28 | 21,5 | 31 | 25 ± 0,5 mm | 10 | |
| STOR-H30-010 | 30 | 26 | 33 | 28 ± 0,5 mm | 10 | |
| STOR-H32-010 | 32,5 | 28,5 | 32,5 | 30,5 ± 0,5 mm | 10 | |
| STOR-H37-010 | 37,5 | 28,5 | 44 | 33 ± 0,5 mm | 10 | |
| STOR-H41-010 | 41,5 | 32 | 42,5 | 37 ± 0,5 mm | 10 | |
| STOR-H49-010 | 49,5 | 40 | 40,5 | 45 ± 0,5 mm | 10 | |

## SILICONE STOPPER, SOLID

121°

Made of amber silicone. Withstands temperatures from-70°C up to +200°C



| reference | Ø top (mm) | Ø bottom (mm) | h (mm) | for containers with inner-Ø | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| STOS-011-025 | 11,1 | 6,35 | 25,4 | 9 ± 0,5 mm | 25 | |
| STOS-013-025 | 12,7 | 7,9 | 25,4 | 10 ± 0,5 mm | 25 | |
| STOS-015-025 | 15,09 | 10,31 | 25,4 | 13 ± 0,5 mm | 25 | |
| STOS-017-025 | 17 | 13 | 25,4 | 15 ± 0,5 mm | 25 | |
| STOS-019-025 | 19 | 14,27 | 25,4 | 17 ± 0,5 mm | 25 | |
| STOS-020-025 | 20 | 15,88 | 25,4 | 18 ± 0,5 mm | 25 | |
| STOS-024-020 | 24 | 18 | 30 | 21 ± 0,5 mm | 20 | |
| STOS-026-010 | 26 | 20 | 25,4 | 23 ± 0,5 mm | 10 | |
| STOS-027-010 | 27 | 23 | 25,4 | 25 ± 0,5 mm | 10 | |
| STOS-032-010 | 31,75 | 26,19 | 25,4 | 29 ± 0,5 mm | 10 | |
| STOS-037-010 | 36,98 | 30,18 | 25,4 | 34 ± 0,5 mm | 10 | |
| STOS-041-010 | 41 | 33,02 | 25,4 | 37 ± 0,5 mm | 10 | |
| STOS-044-010 | 44,45 | 37,31 | 25,4 | 41 ± 0,5 mm | 10 | |
| STOS-046-010 | 46,05 | 38,1 | 25,4 | 42 ± 0,5 mm | 10 | |
| STOS-052-010 | 52,4 | 44,45 | 25,4 | 48 ± 0,5 mm | 10 | |
| STOS-060-010 | 59,99 | 50 | 45,01 | 55 ± 0,5 mm | 10 | |

## TEST TUBE DISPENSER

Iron material with transparent front panel in acrylic material. Can hold directly test tubes boxes references TU02, TU04, TU05 y STUN



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| DISP-TU1-001 | for 75 mm lenght tubes | 1 | |
| DISP-TU2-001 | for 100 mm lenght tubes | 1 | |

## TEST TUBE WITH SCREW CAP, ROUND BOTTOM

LBG

121°

Made of borosilicate glass. Available with black phenolic cap with silicone rubber liner (A) or with natural colour PP cap with PTFE liner (B). Autoclavable



| reference | capacity | Ø outer (mm) | h (mm) | thickness (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| Round bottom, phenolic cap with silicon rubber liner | | | | | | | |
| STUN-001-250 | 5 ml | 12 | 75 | 0,8 - 1,0 | A | 250 | |
| STUN-002-250 | 7 ml | 13 | 100 | 0,8 - 1,0 | A | 250 | |
| STUN-003-250 | 10 ml | 16 | 100 | 0,8 - 1,0 | A | 250 | |
| STUN-004-100 | 15 ml | 16 | 150 | 0,8 - 1,0 | A | 100 | |
| STUN-005-100 | 30 ml | 20 | 150 | 1,0 - 1,2 | A | 100 | |
| Round bottom, PP cap with PTFE liner | | | | | | | |
| STUN-T01-250 | 5 ml | 12 | 75 | 0,8 - 1,0 | B | 250 | |
| STUN-T02-250 | 7 ml | 13 | 100 | 0,8 - 1,0 | B | 250 | |
| STUN-T03-250 | 10 ml | 16 | 100 | 0,8 - 1,0 | B | 250 | |
| STUN-T04-100 | 15 ml | 16 | 150 | 0,8 - 1,0 | B | 100 | |
| STUN-T05-100 | 30 ml | 20 | 150 | 1,0 - 1,2 | B | 100 | |

## TEST TUBE WITH LINED SCREW CAP, FLAT BOTTOM

LBG

121°

Made of borosilicate glass. Available with black phenolic cap with silicone rubber liner (A) or with natural colour PP cap with PTFE liner (B). Autoclavable



| reference | capacity | Ø outer (mm) | h (mm) | thickness (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| Flat bottom, phenolic cap with silicon rubber liner | | | | | | | |
| STUN-F01-250 | 5 ml | 12 | 75 | 0,8 - 1,0 | A | 250 | |
| STUN-F02-250 | 7 ml | 13 | 100 | 0,8 - 1,0 | A | 250 | |
| STUN-F03-250 | 10 ml | 16 | 100 | 0,8 - 1,0 | A | 250 | |
| STUN-F04-100 | 15 ml | 16 | 150 | 0,8 - 1,0 | A | 100 | |
| STUN-F05-100 | 30 ml | 20 | 150 | 1,0 - 1,2 | A | 100 | |
| Round bottom, PP cap with PTFE liner | | | | | | | |
| STUN-TP1-250 | 5 ml | 12 | 75 | 0,8 - 1,0 | B | 250 | |
| STUN-TP2-250 | 7 ml | 13 | 100 | 0,8 - 1,0 | B | 250 | |
| STUN-TP3-250 | 10 ml | 16 | 100 | 0,8 - 1,0 | B | 250 | |
| STUN-TP4-100 | 15 ml | 16 | 150 | 0,8 - 1,0 | B | 100 | |
| STUN-TP5-100 | 30 ml | 20 | 150 | 1,0 - 1,2 | B | 100 | |

## TEST TUBE WITH SCREW CAP IN PP

Made of polypropylene. Ø 16 x 100 mm, with a total volume of 10 ml. Features a cylindrical bottom. Tubes and caps are provided in separate bags

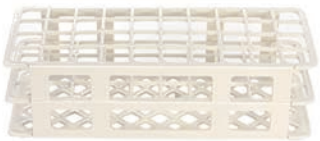
| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| CLTS-010-1K0 | unlabeled | 10 x 100 | |
| CLTS-L10-1K0 | labeled | 10 x 100 | |



## UNIVERSAL TEST TUBE RACK

Made of polypropylene. In each side, different tube diameters can be hold: 40 tubes Ø 12 mm, 20 tubes Ø 20 mm, 24 centrifuge tubes 15 ml or 8 centrifuge tubes 50 ml

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MTSP-001-001 | universal rack, blue | 1 | |



## TEST TUBES RACK

Made of polypropylene. Square holes. Does not float or turn over in a water bath. Can be dismantled

| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TTSP-021-001 | 65 | 250 | 105 | up to 21 tubes (Ø 30 mm) | 1 | |
| TTSP-024-001 | 65 | 250 | 105 | up to 24 tubes (Ø 25 mm) | 1 | |
| TTSP-040-001 | 65 | 250 | 105 | up to 40 tubes (Ø 20 mm) | 1 | |
| TTSP-060-001 | 65 | 250 | 105 | up to 60 tubes (Ø 16 mm) | 1 | |
| TTSP-090-001 | 65 | 250 | 105 | up to 90 tubes (Ø 13 mm) | 1 | |



## ROTATIONAL MULTI RACK FOR TUBES

Made of polypropylene. Can be rotated to accommodate different sizes of test tubes and centrifuge tubes. 4 modules

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| RMRT-004-001 | 2 x 50 ml, 6 x 20 ml, 8 x 15 ml, 10 x 12 ml in each module | 1 | |
| RMRT-005-001 | 2 x 50 ml, 8 x 15 ml, 9 x 1,5 ml, 6 x 0,5 ml, 48 x 0,2 ml in each module | 1 | |

Check the Molecular Biology chapter to find consumables such as microtubes, 96-well plates and 0.1 and 0.2 ml microtube strips. All of them are nuclease and pyrogen-free and are designed for tests such as PCR, qPCR, among others

## TEST TUBES RACK

Made of stainless steel

clink

121°

| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TTSS-W24-001 | 60 | 86 | 64 | for 6 x 4 tubes (< Ø10 mm) | 1 | |
| TTSS-A24-001 | 90 | 86 | 64 | for 6 x 4 tubes (< Ø10 mm) | 1 | |
| TTSS-X50-001 | 60 | 170 | 86 | for 10 x 5 tubes (< Ø12 mm) | 1 | |
| TTSS-B50-001 | 90 | 170 | 86 | for 10 x 5 tubes (< Ø12 mm) | 1 | |
| TTSS-C24-001 | 90 | 110 | 79 | for 6 x 4 tubes (< Ø14 mm) | 1 | |
| TTSS-D24-001 | 90 | 125 | 90 | for 6 x 4 tubes (< Ø16 mm) | 1 | |
| TTSS-D50-001 | 90 | 200 | 105 | for 10 x 5 tubes (< Ø16 mm) | 1 | |
| TTSS-E24-001 | 90 | 135 | 93 | for 6 x 4 tubes (< Ø18 mm) | 1 | |
| TTSS-E50-001 | 90 | 220 | 116 | for 10 x 5 tubes (< Ø18 mm) | 1 | |
| TTSS-F24-001 | 90 | 145 | 105 | for 6 x 4 tubes (< Ø20 mm) | 1 | |
| TTSS-F50-001 | 90 | 238 | 125 | for 10 x 5 tubes (< Ø20 mm) | 1 | |
| TTSS-G24-001 | 90 | 161 | 113 | for 6 x 4 tubes (< Ø22 mm) | 1 | |
| TTSS-K24-001 | 90 | 209 | 143 | for 6 x 4 tubes (< Ø30 mm) | 1 | |



## TEST TUBES RACK, Z SHAPE

Made of aluminium

clink

| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TTZS-012-001 | 64 | 168 | 90 | for 5 x 10 tubes up to Ø 12 mm | 1 | |
| TTZS-014-001 | 64 | 200 | 107 | for 5 x 10 tubes up to Ø 14 mm | 1 | |
| TTZS-017-001 | 64 | 225 | 120 | for 5 x 10 tubes up to Ø 16 mm | 1 | |



## TEST TUBE PEG RACK

Made of polypropylene. Blue colour. Stout and rigid. Chemically resistant. Ideal for bench work or tube storage. Design allows easy viewing of the tube contents.Can be used to dry inverted tubes. Suitable for drying glass plates used in electrophoresis and can also be used to hold and dry chromatography plates

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121°

| reference | tube (mm) | matrix | h (mm) | l (mm) | w (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| PRSP-013-002 | 13 | 8 x 12 | 64 | 179 | 127 | 2 | |
| PRSP-017-002 | 17 | 5 x 10 | 70 | 187 | 105 | 2 | |





Tube strips
*see p. 20*



96-well plates
*see p. 19*



Sealing membranes
*see p. 20*

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## TEST TUBE RACK *PREMIUM LINE*



Made of reinforced nylon. Molded in a single piece for exceptional strength and durability. Stackable. With alphanumeric marking on the top. End plates accept large labels for easy identification of samples. Does not float or turn over in a water bath. Good chemical resistance. Available in various attractive colors to help keep samples organized. No assembly is required, rack is ready to use

| reference | l (mm) | w (mm) | h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TTSN-W13-001 | 200 | 102 | 57 | white, up to 6x12 tubes (Ø 13 mm) | 1 | |
| TTSN-W16-001 | 248 | 127 | 70 | white, up to 6x12 tubes (Ø 16 mm) | 1 | |
| TTSN-W20-001 | 250 | 102 | 83 | white, up to 4x10 tubes (Ø 20 mm) | 1 | |
| TTSN-W25-001 | 300 | 121 | 92 | white, up to 4x10 tubes (Ø 25 mm) | 1 | |
| TTSN-W30-001 | 283 | 108 | 85 | white, up to 3x8 tubes (Ø 30 mm) | 1 | |
| TTSN-N13-001 | 200 | 102 | 57 | orange, up to 6x12 tubes (Ø 13 mm) | 1 | |
| TTSN-N16-001 | 248 | 127 | 70 | orange, up to 6x12 tubes (Ø 16 mm) | 1 | |
| TTSN-N20-001 | 250 | 102 | 83 | orange, up to 4x10 tubes (Ø 20 mm) | 1 | |
| TTSN-N25-001 | 300 | 121 | 92 | orange, up to 4x10 tubes (Ø 25 mm) | 1 | |
| TTSN-N30-001 | 283 | 108 | 85 | orange, up to 3x8 tubes (Ø 30 mm) | 1 | |
| TTSN-B13-001 | 200 | 102 | 57 | blue, up to 6x12 tubes (Ø 13 mm) | 1 | |
| TTSN-B16-001 | 248 | 127 | 70 | blue, up to 6x12 tubes (Ø 16 mm) | 1 | |
| TTSN-B20-001 | 250 | 102 | 83 | blue, up to 4x10 tubes (Ø 20 mm) | 1 | |
| TTSN-B25-001 | 300 | 121 | 92 | blue, up to 4x10 tubes (Ø 25 mm) | 1 | |
| TTSN-B30-001 | 283 | 108 | 85 | blue, up to 3x8 tubes (Ø 30 mm) | 1 | |
| TTSN-Y13-001 | 200 | 102 | 57 | yellow, up to 6x12 tubes (Ø 13 mm) | 1 | |
| TTSN-Y16-001 | 248 | 127 | 70 | yellow, up to 6x12 tubes (Ø 16 mm) | 1 | |
| TTSN-Y20-001 | 250 | 102 | 83 | yellow, up to 4x10 tubes (Ø 20 mm) | 1 | |
| TTSN-Y25-001 | 300 | 121 | 92 | yellow, up to 4x10 tubes (Ø 25 mm) | 1 | |
| TTSN-Y30-001 | 283 | 108 | 85 | yellow, up to 3x8 tubes (Ø 30 mm) | 1 | |

clink

## TEST TUBE RACK



304 stainless steel, resistant to chemical corrosion and autoclavable at a temperature of 121 °C. Features a wide base that provides stability and prevents tipping. Available in different sizes for 20 tubes (2 x 10), 30 tubes (3 x 10), or 40 tubes (4 x 10).

| reference | h (mm) | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| TTMS-215-001 | 80 | 225 | for 20 tubes of Ø ≤15 mm | 1 | |
| TTMS-218-001 | 80 | 245 | for 20 tubes of Ø ≤18 mm | 1 | |
| TTMS-221-001 | 81 | 275 | for 20 tubes of Ø ≤21 mm | 1 | |
| TTMS-315-001 | 80 | 227 | for 30 tubes of Ø ≤15 mm | 1 | |
| TTMS-318-001 | 80 | 248 | for 30 tubes of Ø ≤18 mm | 1 | |
| TTMS-321-001 | 80 | 265 | for 30 tubes of Ø ≤21 mm | 1 | |
| TTMS-415-001 | 80 | 225 | for 40 tubes of Ø ≤15 mm | 1 | |
| TTMS-418-001 | 80 | 249 | for 40 tubes of Ø ≤18 mm | 1 | |
| TTMS-421-001 | 80 | 265 | for 40 tubes of Ø ≤21 mm | 1 | |

## ANTI-TIP TEST TUBE RACK, PP

Designed for tubes with a volume of 12 to 18 ml. Anti-tip function thanks to a tab system in each position. Can hold up to 50 tubes

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| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TTGR-W50-001 | 50 | 200 | 115 | white colour | 1 | |

## NESSLER TUBE FOR COLORIMETER *PREMIUM LINE*

Made of top quality 3.3 borosilicate glass. Class A



| reference | capacity | accuracy (ml) | graduation | l (mm) | $Ø_{outer}$ (mm) | $Ø_{inside}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|---|
| NTB3-P50-010 | 50 ml | ± 0,4 | 25 / 50 ml | 180 | 26 | 22 | 10 | |
| NTB3-10P-010 | 100 ml | ± 0,8 | 50 / 100 ml | 183 | 34 | 30 | 10 | |

## NESSLER TUBE RACK

Made of polypropylene

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| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| NTSP-050-001 | for 50 ml Nessler tubes | 1 | |
| NTSP-100-001 | for 100 ml Nessler tubes | 1 | |

## CARTON FREEZER BOX FOR CENTRIFUGE TUBES

For 15 and 50 ml polypropylene graduated centrifuge tubes. Suitable for use in ultrafreezers down to-80°C



| reference | h (mm) | l (mm) | w (mm) | for containers with inner-Ø | capacity | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| CBOX-049-001 | 115 | 134 | 134 | 17 | 36 tubes | 1 | |
| CBOX-H49-001 | 122 | 150 | 150 | 17 | 36 tubes | 1 | |
| CBOX-016-001 | 122 | 150 | 150 | 35 | 16 tubes | 1 | |

## CENTRIFUGE TUBE, POLYPROPYLENE, WITH GRADUATION, 50 ml

Conical bottom without skirt. Sterile reference is by ethylene oxide. Dimensions: tube Ø 29 mm, 115 mm high and cap Ø 33,5 mm. Withstands RCF of 12000xg. Successfully passed 95 kPa pressure test. Free sterilization certificate available on the website

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| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CTGP-050-050 | 50 ml | non-sterile | 50 | |
| CTGP-E50-050 | 50 ml | sterile in single package | 50 | |
| "Saving package" | | | | |
| CTGP-050-500 | 50 ml | non-sterile | 10 x 50 | |
| CTGP-E50-500 | 50 ml | sterile in single package | 10 x 50 | |




## CENTRIFUGE TUBE, POLYPROPYLENE, 50 ml, *PREMIUM LINE*

Conical bottom without skirt. Suitable for cryogenic storage al -80°C. Certified DNase, RNase and Pyrogen free. Withstands high RCF of 20000xg. Leak proof. Highly visible solvent resistant graduations and labeling area. Sterile reference is by radiation. Resealable bag. Free sterilization certificate available on the website

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PTGP-050-025 | 50 ml | non-sterile | 25 | |
| PTGP-05R-025 | 50 ml | non-sterile, racked | 25 | |
| PTGP-E50-025 | 50 ml | sterile | 25 | |
| “Saving package” | | | | |
| PTGP-050-500 | 50 ml | non-sterile | 20 x 25 | |
| PTGP-05R-500 | 50 ml | non-sterile, racked | 20 x 25 | |
| PTGP-E50-500 | 50 ml | sterile | 20 x 25 | |




## CENTRIFUGE TUBE, PP, WITH GRADUATION, HEAVY METAL FREE, 50 ml, *PREMIUM LINE*

Conical bottom without skirt. Made of 100% medical-grade virgin resins, free of DNase, RNase, and pyrogens. Centrifugation resistance: 20000 xg. Trace metal levels below 1 ppb, natural color caps without additives. Matte writing band. Freezable to-80 °C and autoclavable at 121°C. Free sterilization certificate available on the website

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PTGP-M50-025 | 50 ml | non-sterile | 25 | |
| PTGP-EM5-025 | 50 ml | sterile | 25 | |




## CENTRIFUGE TUBE, POLYPROPYLENE, AMBER, 50 ml *PREMIUM LINE*

Conical bottom without skirt. Suitable for cryogenic storage al -80°C. Certified DNase, RNase and Pyrogen free. Withstands high RCF of 20000xg. Leak proof. Highly visible solvent resistant graduations and labeling area. Amber colour and opaque, 0% light transmission between 270 – 600 nm. Sterile reference is by radiation. Resealable bag. Free sterilization certificate available on the website

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PTGP-A50-025 | 50 ml | non-sterile | 25 | |
| PTGP-AE5-025 | 50 ml | sterile | 25 | |
| “Saving package” | | | | |
| PTGP-A50-500 | 50 ml | non-sterile | 20 x 25 | |
| PTGP-AE5-500 | 50 ml | sterile | 20 x 25 | |

Products labelled with this symbol are suitable for handling and storing photosensitive samples. Their design prevents direct light exposure, protecting the stability and properties of sensitive materials.

## CENTRIFUGE TUBE, PP, WITH GRADUATION AND SKIRT, 50 ml

Conical bottom with skirt. Sterile reference is by ethylene oxide. Dimensions: tube Ø 29 mm, 115 mm high and cap Ø 33,5 mm. Withstands RCF of 3000xg. Successfully passed 95 kPa pressure test. Free sterilization certificate available on the website

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CTSP-050-050 | 50 ml | non-sterile | 50 | |
| CTSP-E50-050 | 50 ml | sterile in single package | 50 | |
| "Saving package" | | | | |
| CTSP-050-500 | 50 ml | non-sterile | 10 x 50 | |
| CTSP-E50-500 | 50 ml | sterile in single package | 10 x 50 | |



## CENTRIFUGE TUBE, POLYPROPYLENE, WITH GRADUATION AND SKIRT, 50 ml, *PREMIUM LINE*

Conical bottom with skirt. Autoclavable. Suitable for cryogenic storage at -80°C. Certified DNAse, RNAse and Pyrogen free. Withstands high RCF of 20000xg. Leak proof. Highly visible solvent resistant graduations and labeling area. Sterile reference is by radiation. Sterile reference is by radiation. Free sterilization certificate available on the website

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PTSP-050-025 | 50 ml | non-sterile | 25 | |
| PTSP-E50-025 | 50 ml | sterile | 25 | |
| "Saving package" | | | | |
| PTSP-050-500 | 50 ml | non-sterile | 20 x 25 | |
| PTSP-E50-500 | 50 ml | sterile | 20 x 25 | |




## CENTRIFUGE TUBE, PP, WITH GRADUATION AND SKIRT, HEAVY METAL FREE, 50 ml, *PREMIUM LINE*

Conical bottom without skirt. Made of 100% medical-grade virgin resins, free of DNase, RNase, and pyrogens. Centrifugation resistance: 20000 xg. Trace metal levels below 1 ppb, natural color caps without additives. Matte writing band. Freezable to-80 °C and autoclavable at 121°C. Free sterilization certificate available on the website

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PTSP-M50-025 | 50 ml | non-sterile | 25 | |
| PTSP-EM5-025 | 50 ml | sterile | 25 | |




## FLAT-BOTTOM CENTRIFUGE TUBE, PP

Flat-bottom centrifuge tube that stands upright. Volume of 50ml and dimensions of 30x107mm. Features printed graduations from 5ml to 50ml. Leak-proof screw cap, green color. Sterilized by EO. Free sterilization certificate available on the website

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| CTSF-050-025 | in zip-lock bag, green cap | 25 | |





## CENTRIFUGE TUBE, PP, WITH GRADUATION, 15 ml

Conical bottom without skirt. Sterile reference is by ethylene oxide. Dimensions: tube Ø 17,4 mm, 120 mm high and cap Ø 22 mm. Withstands RCF of 12000 xg. Successfully passed 95 kPa pressure test. Free sterilization certificate available on the website

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CTGP-015-100 | 15 ml | non-sterile | 100 | |
| CTGP-E15-050 | 15 ml | sterile in single package | 50 | |
| “Saving package” | | | | |
| CTGP-015-1K0 | 15 ml | non-sterile | 10 x 100 | |
| CTGP-E15-500 | 15 ml | sterile in single package | 10 x 50 | |



## CENTRIFUGE TUBE, PP, WITH GRADUATION, 15 ml, *PREMIUM LINE*

Conical bottom without skirt. Suitable for cryogenic storage al -80°C. Certified DNase, RNase and Pyrogen free. Withstands high RCF of 20000xg. Leak proof. Highly visible solvent resistant graduations and labeling area. Sterile reference is by radiation. Resealable bag. Free sterilization certificate available on the website. Resealable bag

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PTGP-015-025 | 15 ml | non-sterile | 25 | |
| PTGP-01R-025 | 15 ml | non-sterile in rack | 25 | |
| PTGP-E15-025 | 15 ml | sterile | 25 | |
| “Saving package” | | | | |
| PTGP-015-500 | 15 ml | non-sterile | 20 x 25 | |
| PTGP-01R-500 | 15 ml | non-sterile in rack | 20 x 25 | |
| PTGP-E15-500 | 15 ml | sterile | 20 x 25 | |



## CENTRIFUGE TUBE, PP, WITH GRADUATION, HEAVY METAL FREE, 15 ml, *PREMIUM LINE*

Conical bottom without skirt. Made of 100% medical-grade virgin resins, free of DNase, RNase, and pyrogens. Centrifugation resistance: 20000 xg. Trace metal levels below 1 ppb, natural color caps without additives. Matte writing band. Freezable to-80 °C and autoclavable at 121°C. Free sterilization certificate available on the website

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PTGP-M15-025 | 15 ml | non-sterile | 25 | |
| PTGP-EM1-025 | 15 ml | sterile | 25 | |

## CENTRIFUGE TUBE, AMBER PP, 15 ml *PREMIUM LINE*

Conical bottom without skirt. Suitable for cryogenic storage al -80°C. Certified DNase, RNase and Pyrogen free. Withstands high RCF of 20000xg. Leak proof. Highly visible solvent resistant graduations and labeling area. Amber colour and opaque, 0% light transmission between 270 – 600 nm. Sterile reference is by radiation. Resealable bag. Free sterilization certificate available on the website

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| reference | capacity | pcs/ pack | type | price/ pack |
|---|---|---|---|---|
| PTGP-A15-025 | 15 ml | 25 | non-sterile | |
| PTGP-AE1-025 | 15 ml | 25 | sterile | |
| "Saving package" | | | | |
| PTGP-A15-500 | 15 ml | 20 x 25 | non-sterile | |
| PTGP-AE1-500 | 15 ml | 20 x 25 | sterile | |

## HIGH-CAPACITY CENTRIFUGE TUBES, *PREMIUM LINE*

Manufactured in high-quality PP. Material free from DNase, RNase, and pyrogens, as well as non-cytotoxic. Centrifugation resistance: 7000 xg. Leak-free closure. Molded graduations for precision. Sterilized by irradiation with a SAL of 10-6 (ISO11137) and manufactured in a cleanroom of class 100,000, complying with ISO13485 and ISO9001 quality standards. Free sterilization certificate available on the website

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| reference | vol. (ml) | Ø x h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PTGP-25E-006 | 250 | 59,5 x 159,5 | 6 | |
| PTGP-50E-006 | 500 | 95,7 x 146,3 | 6 | |

## CENTRIFUGE BOTTLES, PP

Translucent bottles ideal for large-volume cell harvesting, protein purification and sampling applications. For low to moderate speed centrifugation of biological and chemical samples. Excellent chemical resistance

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| reference | Ø x h (mm) | capacity | pcs/ pack | price/ pack |
|---|---|---|---|---|
| BTSP-250-004 | 61,8 x 127,7 | 250 ml | 4 | |
| BTSP-500-004 | 73,8 x 169,8 | 500 ml | 4 | |
| BTSP-1K0-004 | 97,5 x 184,5 | 1000 ml | 4 | |

## RACK FOR CENTRIFUGE TUBES, ABS

Designed to hold 15ml and 50ml centrifuge tubes. Dimensions: 209×171×63mm. Delivered flat for easy assembly. Capacity for twenty 50ml tubes and thirty 15ml tubes

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| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TTAB-N01-001 | 63 | 171 | 209 | orange | 1 | |
| TTAB-B01-001 | 63 | 171 | 209 | blue | 1 | |



## RACK FOR CENTRIFUGE TUBES, PP

For conical bottom tubes. Stackable. Freezable down to-80 °C. Marked with numbers for identification

| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CTRK-015-001 | 34 | 152 | 127 | for 5 x 5 tubes of 15 ml | 1 | |
| CTRK-050-001 | 34 | 230 | 193 | for 5 x 5 tubes of 50 ml | 1 | |



## CENTRIFUGE TUBES RACK

Made of stainless steel. With double wire allow to hold better the centrifuge tubes, giving extra space between them

| reference | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| With single wire | | | | | | |
| TTSS-E25-001 | 90 | 135 | 93 | for 6 x 4 15 ml tubes - with single wire | 1 | |
| TTSS-K25-001 | 90 | 209 | 143 | for 6 x 4 50 ml tubes - with single wire | 1 | |
| With double wire | | | | | | |
| TTSS-Y24-001 | 80 | 170 | 115 | for 6 x 4 15 ml tubes - with double wire | 1 | |
| TTSS-Z24-001 | 80 | 220 | 150 | for 6 x 4 50 ml tubes - with double wire | 1 | |



## MICROCENTRIFUGE TUBE *PREMIUM LINE*

Graduated. Human DNA free and certified DNAse, RNAse and PCR-inhibitors free. Its shape and material quality allow an exceptionally high centrifugation resistance: 25000 g in fixed angle rotor centrifuges and 70000 g in oscillating rotor centrifuges. Labelling area

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PCRD-015-500 | 1,5 ml | neutral color, flat lid | 500 | |
| PCRD-020-500 | 2,0 ml | round bottom, neutral color, flat lid | 500 | |
| PCRD-P20-500 | 2,0 ml | conical bottom, neutral color, flat lid | 500 | |



## MICROCENTRIFUGE TUBE, GRADUATED, WITH SAFE-LOCK

Made of polypropylene. Withstands RCF of 15000 g. Flat lid. Autoclavable

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PCRP-005-1K0 | 0,5 ml | natural | 1000 | |
| PCRP-015-500 | 1,5 ml | natural | 500 | |
| PCRP-C20-500 | 2,0 ml | natural | 500 | |
| PCRP-050-200 | 5,0 ml | natural | 200 | |
| “Saving package” | | | | |
| PCRP-005-10K | 0,5 ml | natural | 10 x 1000 | |
| PCRP-015-5K0 | 1,5 ml | natural | 10 x 500 | |

## MICROCENTRIFUGE TUBE, GRADUATED, WITH SAFE-LOCK, COLOURED

Made of polypropylene

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| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PCRP-Y15-500 | 1,5 ml | yellow | 500 | |
| PCRP-P15-500 | 1,5 ml | pink | 500 | |
| PCRP-B15-500 | 1,5 ml | blue | 500 | |
| PCRP-G15-500 | 1,5 ml | green | 500 | |

## MICROCENTRIFUGE TUBE, GRADUATED, COLOURED, *PREMIUM LINE*

Free from human DNA and certified free of DNase, RNase, and PCR inhibitors. Centrifugation resistance: 20000 xg. Freezable to-80 °C and autoclavable at 121°C

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| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PCRD-G20-500 | 2,0 ml | green | 500 | |
| PCRD-N20-500 | 2,0 ml | orange | 500 | |
| PCRD-R20-500 | 2,0 ml | red | 500 | |
| PCRD-B20-500 | 2,0 ml | blue | 500 | |
| PCRD-Y20-500 | 2,0 ml | yellow | 500 | |

## AMBER MICROCENTRIFUGE TUBE *PREMIUM LINE*

Made of polypropylene. Graduated. Human DNA free and certified DNAse, RNAse and PCR-inhibitors free. Amber colour and opaque, 0% light transmission between 270 – 600 nm. Withstands high RCF of 20000 g

astiK



| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PCRD-A05-1K0 | 0,5 ml | flat lid | 1000 | |
| PCRD-A15-500 | 1,5 ml | flat lid | 500 | |
| PCRD-A20-500 | 2,0 ml | flat lid | 500 | |

## LOW RETENTION GRADUATED MICROCENTRIFUGE TUBE, *PREMIUM LINE*

Graduated. Free from human DNA and certified free of DNase, RNase, and PCR inhibitors. Centrifugation resistance: 20000 xg. Freezable to -80 °C and autoclavable at 121°C. Sterilized by gamma irradiation. Its Low Retention technology allows for more optimal use with viscous samples or when full sample recovery is desired. Free sterilization certificate available on the website

astiK's



| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PCRD-L17-1K0 | 1,7 ml | natural color | 1000 | |
| PCRD-L20-500 | 2,0 ml | natural color | 500 | |



## MICROCENTRIFUGE TUBE, GRADUATED, ROUND BOTTOM

Made of polypropylene. Øext: 10 mm. With safe-lock. Withstands RCF of 10000xg

| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PCRP-020-500 | 2 ml | natural color, flat lid | 500 | |
| "Saving package" | | | | |
| PCRP-020-10K | 2 ml | natural color, flat lid | 20 x 500 | |



## CENTRIFUGE MACROTUBES *PREMIUM LINE*

Macrotubes for centrifugen made of PP. Round bottom and flat lid. Withstands RCF of 15000xg.Autoclavable

| reference | Ø x h (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PCRD-050-200 | 13 x 50 | 5 ml, graduated | 200 | |
| PCRD-070-200 | 14,5 x 60 | 7 ml, not graduated | 200 | |
| PCRD-100-200 | 16 x 80 | 10 ml, graduated | 200 | |



## Screw-cap microtube

Made of USP Class VI medical-grade polypropylene compliant with FDA regulations. Withstands up to 20000 xg RCF and freeze cycles at-80 °C with thawing at room temperature. Screw cap with integrated O-ring for enhanced sealing and stability. Free from DNases, RNases, endotoxins, human DNA, PCR inhibitors, and ATP. Manufactured in Class 100000 clean rooms without secondary assembly, ensuring a contamination-free environment. Free sterilization certificate available on the website

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PCSC-005-100 | 0.5 ml with skirt | 100 | |
| PCSC-E05-100 | 0.5 ml with skirt, sterile | 100 | |
| PCSC-C15-100 | 1.5 ml conical bottom, without skirt | 100 | |
| PCSC-C1E-100 | 1.5 ml conical bottom, without skirt, sterile | 100 | |
| PCSC-S15-100 | 1.5 ml with skirt | 100 | |
| PCSC-S1E-100 | 1.5 ml with skirt, sterile | 100 | |
| PCSC-C20-100 | 2 ml conical bottom, without skirt | 100 | |
| PCSC-S20-100 | 2 ml with skirt | 100 | |
| PCSC-S2E-100 | 2 ml with skirt, sterile | 100 | |
| PCSC-C2E-100 | 2 ml conical bottom, without skirt, sterile | 100 | |



## MICRO PESTLE FOR MICROTUBES

Made of polypropylene. One end is for breaking up solids in 1.5 ml microtubes, and the other end to be used in 0.5 ml microtubes

| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MPSP-001-001 | 73 | for 0.5 and 1.5 ml microtubes | 1 | |

## FLOATING RACK FOR MICROTUBES

Made of polypropylene. To heat or cool microtubes in a waterbath and avoid them to sink. Stackable and with an alphanumerical identification of each position

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| FLRP-001-001 | for 16 microtubes 1.5 ml | 1 | |




## RACK FOR MICROTUBES

Made of polypropylene. Stackable and with an alphanumerical identification of each position

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| MCRP-100-001 | for 100 microtubes 1.5 ml | 1 | |




## MICROTUBE RACK, STAINLESS STEEL

For 1,5/2 ml microtubes. Hole diameter ~12mm

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| TTSS-N25-001 | for 5 x 5 microtubes (1.5 ml) | 1 | |
| TTSS-N50-001 | for 10 x 5 microtubes (1.5 ml) | 1 | |




## OVERTURNABLE PCR MICROTUBE RACK

Made of polypropylene. One side fits 0,5 ml tubes and the other side fits 1,5 / 2 ml tubes. Autoclavable

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| PCPP-O60-001 | up to 60 tubes (5 x 12). Orange color | 1 | |
| PCPP-B60-001 | up to 60 tubes (5 x 12). Blue color | 1 | |
| PCPP-G60-001 | up to 60 tubes (5 x 12). Green color | 1 | |
| PCPP-R60-001 | up to 60 tubes (5 x 12). Red color | 1 | |
| PCPP-O96-001 | up to 96 tubes (8 x 12). Orange color | 1 | |
| PCPP-B96-001 | up to 96 tubes (8 x 12). Blue color | 1 | |
| PCPP-G96-001 | up to 96 tubes (8 x 12). Green color | 1 | |
| PCPP-R96-001 | up to 96 tubes (8 x 12). Red color | 1 | |






### THE IMPORTANCE OF BALANCING YOUR CENTRIFUGE ROTOR

It is crucial that the weight on the rotor is balanced evenly with respect to the axis of rotation. If the rotor is not balanced, at a higher speed the centrifuge will make more noise and generate vibrations, which can lead to poor centrifugation or even equipment breakage. To achieve a good balance, always place the tubes facing each other, placing a tube of the same dimensions and the same weight (sample quantity) on the opposite side.



ELITEX

## MULTIPURPOSE CLINICAL CENTRIFUGE, FLOW MULTI

Versatile benchtop centrifuge equipped with a high-performance brushless motor, designed to deliver reliable, quiet results with no maintenance required. Compatible with a wide range of fixed-angle and swing-out rotors for 15, 50, and 100 ml tubes, as well as PCR plates and 6 ml tubes, with a maximum capacity of 4 x 100 ml. Swing-out rotor for 4 x 50 ml tubes included (CCAN-A03-001). Adjustable speed from 500 to 4500 rpm, with RCF depending on the rotor. Features microprocessor control, large digital display, 9 acceleration modes and 11 braking modes, and the ability to store up to 99 custom programs. Includes electronic imbalance detection, short-spin function, lid lock during operation, and emergency lid release. Compact design with a weight of 23 kg (without rotor) and stainless-steel inner chamber. 230 V / 50 Hz. Dimensions: 595 x 436 x 311 mm. Warranty 2 years

| reference | description | RCF | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CCAN-L40-001 | model Flow Multi | 3485 xg | 1 | |
| Accessories and spare parts | | | | |
| CCAN-A01-001 | swing-out rotor for 2 PCR plates | 2355 xg | 1 | |
| CCAN-A02-001 | swing-out rotor for 16 x 15 ml tubes | 4312 xg | 1 | |
| CCAN-A03-001 | swing-out rotor for 4 x 50 ml tubes | 3485 xg | 1 | |
| CCAN-A04-001 | swing-out rotor for 4 x 100 ml tubes | 3164 xg | 1 | |
| CCAN-A05-001 | swing-out rotor for 32 x 6 ml tubes | 3164 xg | 1 | |
| CCAN-A06-001 | fixed-angle rotor for 16 x 15 ml tubes | 3144 xg | 1 | |
| CCAN-A07-001 | fixed-angle rotor for 4 x 50 ml tubes | 2644 xg | 1 | |
| CCAN-A08-001 | fixed-angle rotor for 4 x 100 ml tubes | 2599 xg | 1 | |
| CCAN-A09-001 | fixed-angle rotor for 24 x 15 ml tubes | 2854 xg | 1 | |



## MINI CENTRIFUGE, MC7000

Ideal for quick spin downs and micro filtration. 2 lid colors. Fixed speed 7000 rpm. 2 rotors delivered with the stirrer: 8 x 2 ml/1.5 ml tube and 16 x 0.2 ml PCR tube. Noise level ≤45dB. The centrifuge can be started and stopped by closing and opening the lid. 200-240 V / 50-60 Hz. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MCEN-00B-001 | mini centrifugue LBX MC7000 series, blue lid | 1 | |
| MCEN-00G-001 | mini centrifugue LBX MC7000 series, green lid | 1 | |
| Accessories and spare parts | | | |
| MCEN-A01-001 | spare part: plastic rotor, 7000 rpm, 2 ml/1.5 ml x 8 | 1 | |
| MCEN-A02-001 | spare part: plastic rotor, 7000 rpm, PCR8 x 2 | 1 | |
| MCEN-A03-008 | spare part: 2 ml to 0.2 ml rotor adapter, used with MCEN-A01-001 | 8 | |
| MCEN-A04-008 | spare part: 2 ml to 0.5 ml rotor adapter, used with MCEN-A01-001 | 8 | |

### WARRANTY AND TECHNICAL SERVICE

The warranty period is mentioned for each product in this catalogue. This period is of minimum 2 years and for some items up to 5 years. For further information, please feel free to contact your local distributor or our Customer Service.

## HIGH-SPEED MINI CENTRIFUGE, MC10K

This centrifuge is well-suited for rapid spins, microfiltration of samples, cell separations, and numerous other routine laboratory tasks. Speed range of 2,000- 10,000 RPM (in 1,000 RPM increments). It is designed to accommodate 12 tubes of 0.5/1.5/2.0 ml, 44 tubes of 0.2 ml, or 4 strips of 8 tubes of 0.2 ml. It achieves a maximum RCF of 6,708 x g for 0.5/1.5/2.0 ml tubes and 6,596-7,490 x g for PCR strips. The noise level is less than 58 dB. It features rapid acceleration and braking (acceleration time: 1 sec / braking time: 2 sec) and is powered by a brushless DC motor, ensuring quick and effortless rotor acceleration to the set speed. The timer can be set from 10 seconds to a maximum of 20 minutes. External dimensions (mm): 130 x 180 x 210. It operates on AC200-240V/50Hz/60Hz. 2-year warranty



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MCEN-10K-001 | mini centrifuge MC10K | 1 | |

## HIGH SPEED MINI CENTRIFUGE, MC15K

High Speed Micro centrifuge is ideal for biochemical and chemical analysis of microsamples, sedimentation of biological components, etc.Powerful centrifugal force (R.C.F): 15100 xg (increment: 100 xg) and Max. speed (R.P.M): 15000 (increment: 100 rpm). Speed Accuracy: ±20 rpm. The rotor included with the centrifuge (MCEN-A05-001) is designed for a capacity of 12 x 1.5/2.0 ml tubes or 12 x smaller 0.2 ml and 0.5 ml tubes through use of adapters (not included). High strength plastic rotor with CE mark. Low noise ≤ 54 dB. Delivers fast acceleration and deceleration (Acceleration: 11 seg / Breaking time: 9 seg). Brushless DC motor drive quickly and effortlessly accelerates the rotor to the set speed. Operation can be timed from 30 seconds to 99 minutes or continuous running ('HOLD' position). Sound-alert function. There is also door interlock, over speed detection, over-temperature detection and automatic internal diagnosis. External dimensions (mm): 140 x 255 x 245. 200-240 V / 50-60 Hz. Warranty 2 years





| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MCEN-15K-001 | mini centrifuge LBX MC15K series | 1 | |
| Spare parts | | | |
| MCEN-A05-001 | 1 | | |
| MCEN-A06-024 | 2ml to 0.5 ml rotor adapter | 24 | |
| MCEN-A07-024 | 2ml to 0.2 ml rotor adapter | 24 | |

## CENTRIFUGE FOR MICROPLATES, MC96

Compact, lightweight, and stable, designed for 96- and 384-well microplates; ideal for quickly collecting liquid adhering to the walls after PCR sample preparation. Accommodates up to 2 microplates simultaneously and supports optional adapters for 8-tube strips. Features continuous, timed, or pulse operation modes, with immediate acceleration up to 2500 rpm and electronic braking in under 10 seconds. Controlled via buttons and LED display with time setting in minutes or seconds (1–99). Transparent safety lid with lock and auto-stop system when opened. Brushless motor, quiet and maintenance-free. Dimensions: 190 x 220 x 186 mm. Power: 40 W. Power supply: 100–240 V / 50–60 Hz. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MCEN-096-001 | centrifuge for plates MC96 | 1 | |

## CLINICAL CENTRIFUGE, FLOW T45



Compact and quiet benchtop centrifuge, ideal for clinical and diagnostic applications requiring safety, precision, and versatility. Equipped with a long-life brushless motor and microprocessor control, it allows speed settings from 500 to 4500 rpm (max. 1985 xg) with high accuracy. Features an automatic-locking lid with auto-opening at the end of the run, imbalance detection system with safety shut-off, and a combined rotor compatible with 4 × 50/15 mL tubes or 8 × 15/10/7/5 mL tubes using adapters (included). Programmable timer from 1 to 99 minutes or continuous mode. 100-220 V / 50-60 Hz. Dimensions: 330 x 265 x 161 mm. Weight: 4 kg. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CCAN-D08-001 | model Flow T45 | 1 | |

## HEMATOCRIT CENTRIFUGE, FLOW HCT



Compact, high-performance hematocrit centrifuge, ideal for laboratories with limited space. Accommodates up to 24 capillary tubes (75 mm) and reaches 12,000 rpm with a quiet, maintenance-free brushless motor. Microprocessor-controlled with advanced functions including imbalance detection, last-cycle memory, and preset mode. Features a secure-locking lid, screw-cap rotor, and large digital display alternating between rpm/RCF. Adjustable speed from 500 to 12,000 rpm (14,118 xg) and timer from 1 to 12 minutes. 100-240 V / 50-60 Hz. Dimensions: 330 x 265 x 161 mm. Weight: 4.5 kg. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CCAN-HCT-001 | model Flow HCT | 1 | |

## LOW SPEED MINI CENTRIFUGE, MC5000



Ideal for analysis of samples such as blood and urine. Relative Centrifugal Force (R.C.F.): 2350 xg (increment: 10 xg) and maximum speed (R.P.M.): 5000 (increment: 20 rpm). Speed accuracy: ± 20 rpm. The rotor is designed for a capacity of 6 tubes of 15 / 10 / 7 ml or 6 tubes of 1.5 / 2 ml and 5 ml (adapters included). Able to store two programs and two deceleration speeds according to requirements. Brushless DC motor quickly and effortlessly accelerates the rotor to the set speed. The timer can be set from 30 seconds to a maximum of 99 minutes. Sound-alert function. There is also door interlock, over speed detection, over-temperature detection and automatic internal diagnosis. External dimensions (mm): 300 x 240 x 180. 200-240 V / 50-60 Hz. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MCEN-L05-001 | low speed mini centrifuge, LBX MC5000 | 1 | |
| Accessories and spare parts | | | |
| MCEN-A08-024 | 5 ml rotor adapters | 24 | |
| MCEN-A09-024 | 1,5 / 2 ml rotor adapters | 24 | |

The goal of the centrifugation is often to separate the solution components according to their density. The densest component will end up at the bottom of the tube while the less dense part would remain at the top. Usually, we call these parts or phases supernatant (top) and precipitate (it may be solid or liquid).
The supernatant is normally free of precipitate and has a lower density. On the other hand, when the residue at the bottom is solid, it is then called pellet.
Depending on the nature of the assay it may be necessary to recover the supernatant, usually by pipetting or decanting, or the pellet which you recover by removing the supernatant.



## LOW-SPEED CENTRIFUGE, FLOW L35

ELITEX

Low-speed centrifuge ideal for chemistry, cytology, research, and industrial laboratories, designed for use with blood collection or urine tubes (with cap). Speed range from 100 to 3500 rpm, in 100 rpm increments, reaching up to 2260 xg. Equipped with an LCD display for real-time monitoring, brushless DC motor, and a descent system with 6 adjustable speeds to protect sample integrity. Offers both continuous and timed operation (up to 99 min 59 s), audible alert system, status diagnostics, and smooth braking to prevent unwanted mixing. Its steel rotor and dynamic balancing system ensure quiet (<55 dB) and stable operation. Capacity: 12 x 15 ml tubes + 12 x 10 ml tubes. Dimensions: 481.5 x 414 x 253.5 mm. Weight: 15 kg. Power supply: 100–240 V, 50/60 Hz. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CCEN-L35-001 | model Flow L35 | 1 | |

## HIGH-SPEED MICROCENTRIFUGE, FLOW P12

ELITEX

High-speed benchtop centrifuge for 1.5/2 ml microtubes, with a closed 12-position rotor and adapters included for 0.2/0.5 ml tubes. Reaches up to 15,000 rpm (15,596 xg) with precise time programming (1–999 min or continuous mode) and clear readout on a backlit LCD display. Equipped with a maintenance-free brushless motor, automatic imbalance detection, secure-locking lid, and auto-opening at the end of the run. Operates with low noise (<60 dB), features an intuitive interface, last-use memory, and USB port for data logging or remote programming. Dimensions: 262 x 230 x 131 mm. 100-240 V / 50-60 Hz. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CCAN-M12-001 | model Flow P12 | 1 | |
| Accessories and spare parts | | | |
| CCAN-A10-001 | rotor for 2 PCR strips | 1 | |

## HIGH SPEED REFRIGERATED MICRO CENTRIFUGE, FLOW R24

ELITEX

High-speed microvolume centrifuge with integrated refrigeration, ideal for laboratories requiring versatility and precision. Suitable for 1.5/2 ml tubes, 5 ml tubes, and PCR strips, with a maximum capacity of up to 44 x 2 ml tubes. Temperature range: -20 °C to 40 °C. Adjustable speed from 500 to 15.000 rpm with RCF/RPM control. Features a brushless motor, backlit LCD screen, intuitive interface, programming system for up to 99 protocols, imbalance detection, and emergency lid release. Timer from 30 s to 999 min or continuous mode. Includes fast cooling function, condensation drainage, and low-profile design for comfortable loading. Includes fixed-angle rotor for 24 x 2 ml tubes (21.420 xg). Compatible with multiple interchangeable rotors. 230 V / 50 Hz. Dimensions: 325 x 720 x 305 mm. 2-year warranty



| reference | description | RCF | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CCAN-R24-001 | model Flow R24 | 21420 xg | 1 | |
| Accessories and spare parts | | | | |
| CCAN-A11-001 | fixed-angle rotor, 8 tubes of 5 ml | 18461 xg | 1 | |
| CCAN-A12-001 | fixed-angle rotor, 44 tubes of 2 ml | 22388 xg | 1 | |
| CCAN-A13-001 | fixed-angle rotor, 4 strips of 8 PCR tubes | 15397 xg | 1 | |



## *ANALYTICAL AND SEMIMICRO BALANCE, AS PLUS

Analytical balances series AS are in the standard-high segment. The best value for money and features available. Applications: parts counting, specific density, %, below balance weighing, check weighing, GLP procedures, data bases of: users, products, weighments, etc. ALIBI memory. Spacious weighing chamber with easy mounting sytem and antistatic coating option (for scales with an accuracy of 0.01 mg), level indicator. Backlit LCD display. Communication interface: RS-232, 2x USB-A (rear and side), 1 x USB-C (rear), Kensington™ connector and WI-FI optional. 2 versions available: external calibration and internal calibration. External dimensions (L x H x W): 351 x 205,5 x 348 mm. The scale is delivered with an instruction manual, warranty letter, CD with user manual, drivers for connection to a PC and a Quality Test Report. 100-240 V / 50-60 Hz. Warranty 2 years. Delivery time: 10- 20 days

| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| With external calibration | | | | | |
| BASP-22E-001 | 220 g | 0,0001 g | Ø 100 mm | 1 | |
| With internal calibration | | | | | |
| BASP-221-001 | 60/220 g | 0,01/0,1 mg | Ø 90 mm | 1 | |
| BASP-220-001 | 220 g | 0,0001 g | Ø 100 mm | 1 | |
| BASP-310-001 | 310 g | 0,0001 g | Ø 100 mm | 1 | |



## ANALYTICAL BALANCE METRIA, TOUCH

Precise, reliable, and versatile, suitable for research laboratories, industry, and teaching. Applications: Dynamic weighing, piece counting, percentage determination, density measurement. Equipped with a 7'' high-resolution touchscreen, removable, with intuitive menus and icons allowing agile interaction. Multi-user management with up to 3 profiles plus an administrator, each user can store up to 50 records. Bubble level indicator and adjustable feet. Seamless connectivity functions including interface options, fast data transfer, and GLP/GMP-compliant print output. RS232 and USB bidirectional connectors, anti-static draft shield. External dimensions (L x W x H): 403 x 220 x 310 mm. Automatic internal calibration. 110-240 V / 50-60 Hz. Warranty: 2 years

| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BAMT-220-001 | 220 g | 0,0001 g | 90 mm | 1 | |



## ANALYTICAL BALANCE, PLUS

Metria analytical balances offer excellent stability and sensitivity. Applications : weighing, piece counting, animal/ dynamic weighing, density determination, unit conversion. RS-232C and USB interface. Weighing in: g, mg, ct and oz. Backlit LCD display. Large antistatic glass chamber and stainless steel weighing pan with automatic overload protection system. A glove for weight handling is included. Panel with integrated buttons to prevent liquid ingress. Two versions available: external calibration and internal calibration. Dimensions of the balance ( L x W x H ): 350 x 212 x 322 mm. 110-230 V / 50-60 Hz. Warranty 2 years

| reference | capacity | readability | pan size | calibration weight | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| With external calibration | | | | | | |
| BAMP-22E-001 | 220 g | 0,0001 g | Ø 90 mm | 220 g F1 (included) | 1 | |
| With internal calibration | | | | | | |
| BAMP-220-001 | 220 g | 0,0001 g | Ø 90 mm | - | 1 | |

## ANTI-STATIC WEIGHING BRUSH

Made of ABS. Synthetic hair

| reference | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| WBAS-001-001 | 110 | anti-static | 1 | |



## BALANCE SPOON

Made of 18/8 SS, with rounded edges. They help to transfer small quantities of material accurately. Autoclavable

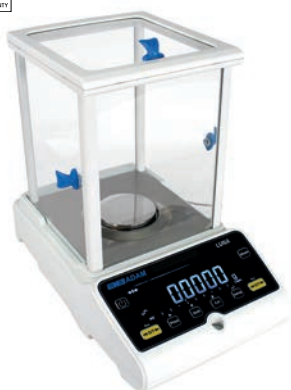
| reference | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|
| SPBA-170-003 | 170 | 3 | |



## *ANALYTICAL BALANCE, LUNA

Applications: weighing, percentage weighing, parts counting, animal/dynamic weighing, density determination, control weighing. USB and RS-232 interfaces. Backlit LCD display. Weighing units: g, mg, ct, GN, N, dr, oz, ozt, dwt, mm, tl.T, tl.H, tl.S, T and one custom unit. GLP print outs (when using the optional printer). Robust ABS housing and stainless steel pan. Draught shield 192 x 195 x 230 mm. External dimensions 224 x 374 x 338 mm. The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. 200-240 V / 50-60 Hz. Warranty 5 years. Delivery time: 10- 20 days

| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| With external calibration | | | | | |
| BALU-12E-001 | 120 g | 0,0001 g | Ø 80 mm | 1 | |
| BALU-21E-001 | 210 g | 0,0001 g | Ø 80 mm | 1 | |
| BALU-25E-001 | 250 g | 0,0001 g | Ø 80 mm | 1 | |
| With internal calibration | | | | | |
| BALU-120-001 | 120 g | 0,0001 g | Ø 80 mm | 1 | |
| BALU-210-001 | 210 g | 0,0001 g | Ø 80 mm | 1 | |
| BALU-250-001 | 250 g | 0,0001 g | Ø 80 mm | 1 | |



## *MOISTURE BALANCE, PMB

Zero adjust facility to enable zero reading. Built-in memories for storing products and settings. 3 settings for heating sample fast ramp up, step and standard Automatic test start setting for when the lid is closed. Quick and easy to configure through the keypad. Large backlit display with dual text prompts and capacity tracker. Large stainless steel pan with lifter to easily remove samples. Lock down mounting slot for Kensington™ type lock and cable. Overload protection RS-232 and USB interface. GLP print outs. Calibration facilities for temperature and weight. External dimensions 250 x 360 x 185 mm. The device is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the device. 200-240 V / 50-60 Hz. Warranty 5 years. Delivery time: 10- 20 days

| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BPMB-050-001 | 50 g | 0,001 g / 0,01 % | Ø 90 mm | 1 | |
| BPMB-160-001 | 160 g | 0,001 g / 0,01 % | Ø 90 mm | 1 | |
| BPMB-200-001 | 200 g | 0,01 g / 0,05 % | Ø 90 mm | 1 | |



METRIA

## MOISTURE ANALYZER, MMB



Memory for 10 customizable settings. With 3 sample heating programs: Fast, standard, and slow. Manual and automatic modes. Heating system using halogen lamp, which ensures rapid and homogeneous heat transmission. Equipped with a bubble level indicator, 2 adjustable feet, and an LCD screen. Panel with integrated buttons to prevent liquid ingress. Temperature range: 45° to 160° C. RS232 interface. Includes 5 disposable aluminum trays and a 100 g calibration weight. 110-230 V / 50-60 Hz. 2-year warranty

| reference | capacity | precision | pan size | calibration weight | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BMAM-120-001 | 120 g | 0,001 g / 0,01% | Ø110 mm | 100 g M1 (included) | 1 | |

ADAM

## *PRECISION BALANCE, SOLIS



Excellent performance and simple operation for demanding laboratories. Ideal for research and quality assurance facilities, science education, precision counting and general laboratory tasks. Applications: check weighing, parts counting, dynamic weighing, percentage weighing, density, formulation/recipe (stores up to 99 ingredients). High resolution graphic display, simple-use keypad and intuitive features. RS-232 interface. Level indicator and adjustable feet. Multiple languages. The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. 200-240 V / 50-60 Hz. Warranty 5 years. Delivery time: 10- 20 days

| reference | capacity | readability | pan size | chamber dimensions | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| With external calibration | | | | | | |
| BSAB-12E-001 | 120 g | 0,0001 g | Ø 80 mm | 192 x 195 x 230 mm | 1 | |
| BSAB-22E-001 | 220 g | 0,0001 g | Ø 80 mm | 192 x 195 x 230 mm | 1 | |
| BSAB-31E-001 | 310 g | 0,0001 g | Ø 80 mm | 192 x 195 x 230 mm | 1 | |
| BSPB-36E-001 | 360 g | 0,001 g | Ø 110 mm | 192 x 195 x 115 mm | 1 | |
| BSPB-72E-001 | 720 g | 0,001 g | Ø 110 mm | 192 x 195 x 115 mm | 1 | |
| BSTB-3E2-001 | 3200 g | 0,01 g | 185 x 185 mm | - | 1 | |
| BSTB-6E2-001 | 6200 g | 0,01 g | 185 x 185 mm | - | 1 | |
| BSTB-8E2-001 | 8200 g | 0,01 g | 185 x 185 mm | - | 1 | |
| With internal calibration | | | | | | |
| BSAB-121-001 | 62/120 g | 0,01/0,1 mg | Ø 80 mm | 192 x 195 x 230 mm | 1 | |
| BSAB-221-001 | 62/120 g | 0,01/0,1 mg | Ø 80 mm | 192 x 195 x 230 mm | 1 | |
| BSAB-120-001 | 120 g | 0,0001 g | Ø 80 mm | 192 x 195 x 230 mm | 1 | |
| BSAB-220-001 | 220 g | 0,0001 g | Ø 80 mm | 192 x 195 x 230 mm | 1 | |
| BSAB-310-001 | 310 g | 0,0001 g | Ø 80 mm | 192 x 195 x 230 mm | 1 | |
| BSAB-410-001 | 410 g | 0,0001 g | Ø 80 mm | 192 x 195 x 230 mm | 1 | |
| BSAB-510-001 | 510 g | 0,0001 g | Ø 80 mm | 192 x 195 x 230 mm | 1 | |
| BSPB-360-001 | 360 g | 0,001 g | Ø 110 mm | 192 x 195 x 115 mm | 1 | |
| BSPB-720-001 | 720 g | 0,001 g | Ø 110 mm | 192 x 195 x 115 mm | 1 | |
| BSPB-1K2-001 | 1200 g | 0,001 g | Ø 110 mm | 192 x 195 x 115 mm | 1 | |
| BSPB-2K1-001 | 2100 g | 0,001 g | Ø 110 mm | 192 x 195 x 115 mm | 1 | |
| BSTB-3K2-001 | 3200 g | 0,01 g | 185 x 185 mm | - | 1 | |
| BSTB-6K2-001 | 6200 g | 0,01 g | 185 x 185 mm | - | 1 | |

## *PRECISION BALANCE, PS

Applications: parts counting, specific density, %, below balance weighing, check weighing, GLP procedures, data bases of: users, products, weighments, etc. ALIBI memory. Backlit LCD display. The housing is made of plastic, and the pan is made of stainless steel. Includes: removable draft shield (on models with 128 x 128 mm pan only). Communication interface: RS 232, 2x USB and WI-FI optional. 2 versions available: external calibration and internal calibration. External dimensions (L x H x W): 333 x 206 x 100 mm. The scale is delivered with an instruction manual, warranty letter, CD with user manual, drivers for connection to a PC and a Quality Test Report. 100-240 V / 50-60 Hz. Warranty 2 years. Delivery time: 10- 20 days



| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| With external calibration | | | | | |
| BPSC-60E-001 | 600 g | 0,001 g | 128 x 128 mm | 1 | |
| BPSC-75E-001 | 750 g | 0,001 g | 128 x 128 mm | 1 | |
| BPSC-1E0-001 | 1000 g | 0,001 g | 128 x 128 mm | 1 | |
| BPSC-2E0-001 | 200 / 2000 g | 0,001 / 0,01 g | 128 x 128 mm | 1 | |
| BPSC-3E5-001 | 3500 g | 0,01 g | 195 x 195 mm | 1 | |
| BPSC-4E5-001 | 4500 g | 0,01 g | 195 x 195 mm | 1 | |
| BPSC-6E0-001 | 6100 g | 0,01 g | 195 x 195 mm | 1 | |
| With internal calibration | | | | | |
| BPSC-210-001 | 210 g | 0,001 g | 128 x 128 mm | 1 | |
| BPSC-360-001 | 360 g | 0,001 g | 128 x 128 mm | 1 | |
| BPSC-600-001 | 600 g | 0,001 g | 128 x 128 mm | 1 | |
| BPSC-750-001 | 750 g | 0,001 g | 128 x 128 mm | 1 | |
| BPSC-1K0-001 | 1000 g | 0,001 g | 128 x 128 mm | 1 | |
| BPSC-2K0-001 | 200 / 2000 g | 0,001 / 0,01 g | 128 x 128 mm | 1 | |
| BPSC-2K1-001 | 2100 g | 0,01 g | 195 x 195 mm | 1 | |
| BPSC-3K5-001 | 3500 g | 0,01 g | 195 x 195 mm | 1 | |
| BPSC-4K5-001 | 4500 g | 0,01 g | 195 x 195 mm | 1 | |
| BPSC-6K0-001 | 6100 g | 0,01 g | 195 x 195 mm | 1 | |



## PRECISION BALANCE, YPZ

Applications: check weighing, piece counting. LCD display. Robust plastic body and stainless steel pan. High precision load cell sensor. Clear windshell (174 x 135 x 84 mm). Adjustable height feet. Panel with integrated buttons to prevent liquid ingress. Overload protection. Selectable measure units. Bubble level for correct position adjustment. External calibration. 120-240 V. Warranty 2 years



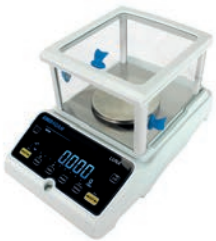
| reference | capacity | readability | pan size | calibration weight | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BYPZ-300-001 | 300 g | 0,001 g | Ø 90 mm | 200 g M1 (included) | 1 | |

ADAM

## *PRECISION BALANCE, LUNA

Applications: weighing, percentage weighing, parts counting, animal/dynamic weighing, density determination. USB and RS-232 interfaces. Backlit LCD display. GLP print outs (when using the optional printer). Weighing units: g, mg, ct, GN, oz, ozt, dwt and one custom unit. Robust ABS housing and stainless steel pan. Plastic draught shield (on models with 120 mm pan only). External dimensions 224 x 374 x 219 mm (models with pan size 120 mm), 220 x 374 x 95 mm (other models). The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. 200-240 V / 50-60 Hz. Warranty 5 years. Delivery time: 10- 20 days





| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| With external calibration | | | | | |
| BLNA-22E-001 | 220 g | 0,001 g | Ø 120 mm | 1 | |
| BLNA-42E-001 | 420 g | 0,001 g | Ø 120 mm | 1 | |
| BLNA-62E-001 | 620 g | 0,001 g | Ø 120 mm | 1 | |
| BLNA-82E-001 | 820 g | 0,001 g | Ø 120 mm | 1 | |
| BLNA-2E6-001 | 2600 g | 0,01 g | 185 x 185 mm | 1 | |
| BLNA-3E6-001 | 3600 g | 0,01 g | 185 x 185 mm | 1 | |
| BLNA-4E6-001 | 4600 g | 0,01 g | 185 x 185 mm | 1 | |
| BLNA-6E0-001 | 6000 g | 0,01 g | 185 x 185 mm | 1 | |
| BLNA-6E1-001 | 6000 g | 0,1 g | 185 x 185 mm | 1 | |
| BLNA-8E0-001 | 8000 g | 0,1 g | 185 x 185 mm | 1 | |
| BLNA-12E-001 | 12000 g | 0,1 g | 185 x 185 mm | 1 | |
| BLNA-15E-001 | 15000 g | 0,1 g | 185 x 185 mm | 1 | |
| With internal calibration | | | | | |
| BLNA-220-001 | 220 g | 0,001 g | Ø 120 mm | 1 | |
| BLNA-420-001 | 420 g | 0,001 g | Ø 120 mm | 1 | |
| BLNA-620-001 | 620 g | 0,001 g | Ø 120 mm | 1 | |
| BLNA-820-001 | 820 g | 0,001 g | Ø 120 mm | 1 | |
| BLNA-2K6-001 | 2600 g | 0,01 g | 185 x 185 mm | 1 | |
| BLNA-3K6-001 | 3600 g | 0,01 g | 185 x 185 mm | 1 | |
| BLNA-4K6-001 | 4600 g | 0,01 g | 185 x 185 mm | 1 | |
| BLNA-6K0-001 | 6000 g | 0,01 g | 185 x 185 mm | 1 | |

## EC TYPE APPROVAL SCALES AND THE CE M26 STICKER

According to the EU 2014/31/UE and 2009/23/CE directives, balances and scales used in the areas of commerce, health and public administration must be verified. The applications requiring the mandatory use of EC type approval instruments are specified in article 1.2(a) of the Directive and are:
-Determination of mass for commercial transactions
-Determination of mass for the calculation of a toll, tariff, tax, bonus, penalty or similar type of payment
-Determination of mass for the application of laws or regulations and expert opinion given in court proceedings
-Determination of mass in the practice of medicine for the weighing of patients for the purpose of monitoring, diagnosis and medical treatment
-Determination of mass for making up medicines on prescription in a pharmacy and determination of mass in analyses carried out in medical and pharmaceutical laboratories
-Determination of price on the basis of the mass for the purpose of direct sales to the public and the making-up of pre-packages
Balances and scales for which CE conformity has been established according to the above mentioned Directives are identified by a sticker bearing a capital letter ‘M’ printed in black and the last two digits of the year of the marking placement

## *PRECISION BALANCE, WLC

Balances series WLC are designed for fast and precise mass determination in laboratory and industrial conditions. AC power or rechargeable battery operation. RS-232 interface. Stainless steel weighing platform and backlit LCD display. Applications: parts counting, animal/dynamic weighing, check weighing, %, below balance weighing, impact test. 2 versions available: external calibration and internal calibration. External dimensions (L x H x W): 244 x 174 x 88 mm (models with pan size 128 x 128 mm and 195 x 195 mm), 351 x 375 x 87 mm (models with pan size 290 x 360 mm) and 502 x 480 x 103 mm (models with pan size 400 x 500 mm). The scale is delivered with an instruction manual, warranty letter, CD with user manual, drivers for connection to a PC and a Quality Test Report. 100-240 V / 50-60 Hz. Warranty 2 years. Delivery time: 10- 20 days





| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| With external calibration | | | | | |
| BWLC-2E0-001 | 2 kg | 0,01 g | 195 × 195 mm | 1 | |
| BWLC-6E0-001 | 6 kg | 0,1 g | 195 × 195 mm | 1 | |
| BWLC-10E-001 | 10 kg | 0,1 g | 195 × 195 mm | 1 | |
| BWLC-20E-001 | 20 kg | 0,1 g | 195 × 195 mm | 1 | |
| BWLC-1QE-001 | 120 kg | 2 g | 400 × 500 mm | 1 | |
| With internal calibration | | | | | |
| BWLC-600-001 | 600 g | 0,01 g | 128 x 128 mm | 1 | |
| BWLC-1K0-001 | 1 kg | 0,01 g | 195 × 195 mm | 1 | |
| BWLC-6K0-001 | 6 kg | 0,1 g | 195 × 195 mm | 1 | |

## *PORTABLE PRECISION BALANCE, HCB

Applications: weighing, %, parts counting, below balance weighing, weight accumulation. RS-232 and USB interfaces. Smart housing design lets you safely stack balances on top of each other for convenient storage. Three-point ShockProtect™ overload protection (allows the balance to withstand up to 200 kg of weight without damaging the weighing mechanism). Internal calibration with built in mass. Lock down mounting slot for Kensington™ type lock and cable. Internal rechargeable battery with auto power off and low-battery indicator. Includes removable draftshield, except BHCB-6K0-001. External dimensions 170 x 245 x 80 mm. The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. 200-240 V / 50-60 Hz. Warranty 3 years. Delivery time: 10- 20 days





| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| With internal calibration | | | | | |
| BHCB-120-001 | 120 g | 0,001 g | Ø 120 mm | 1 | |
| BHCB-150-001 | 150 g | 0,005 g | Ø 120 mm | 1 | |
| BHCB-300-001 | 300 g | 0,01 g | Ø 120 mm | 1 | |
| BHCB-600-001 | 600 g | 0,01 g | Ø 120 mm | 1 | |
| BHCB-601-001 | 600 g | 0,02 g | Ø 120 mm | 1 | |
| BHCB-1K0-001 | 1000 g | 0,01 g | Ø 120 mm | 1 | |
| BHCB-1K5-001 | 1500 g | 0,05 g | Ø 120 mm | 1 | |
| BHCB-2K2-001 | 2200 g | 0,01 g | Ø 120 mm | 1 | |
| BHCB-3K0-001 | 3000 g | 0,1 g | Ø 120 mm | 1 | |
| BHCB-6K0-001 | 6000 g | 0,1 g | Ø 145 mm | 1 | |
| With EC type approval, CE M26 | | | | | |
| BHCB-M06-001 | 600 g | 0,01 g | Ø 120 mm | 1 | |
| BHCB-1M0-001 | 1000 g | 0,01 g | Ø 120 mm | 1 | |

ADAM

## COMPACT PORTABLE BALANCE, CBX



Portable and easy to use balance, with weighing and part counting function. Robust ABS housing and 148 x 148 mm plate made of 304 stainless steel. External calibration. It operates with a 216 h battery rechargeable via low voltage USB, cable included. It's size and charging mode make it ideal for fieldwork. The bright backlit display makes it easy to read in most lighting conditions. Large digits (18 mm) for quick and easy reading. With adjustable feet and bubble position adjustement for accurate result anywhere. External dimensions 155 x 255 x 60 mm. The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. Warranty 2 years. Product in stock for instant delivery, with certificate, delivery time: 10- 20 days

| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BCBX-1K2-001 | 1200 g | 0,1 g | 148 x 148 mm | 1 | |
| BCBX-3K0-001 | 3000 g | 0,5 g | 148 x 148 mm | 1 | |
| BCBX-6K0-001 | 6000 g | 1 g | 148 x 148 mm | 1 | |

BRANCHIA by PRAT DUMAS

## WEIGHING PAPER



In square sheets. 100 % cellulose without binder. Surface weight: 25 g/m²

| reference | l (mm) | w (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| WPPF-100-1K0 | 100 | 100 | 1000 | |

ADAM

## COMPACT PORTABLE BALANCE, CQT



Stainless steel pan. Three-point ShockProtect™ overload protection (allows the balance to withstand up to 200 kg of weight without damaging the weighing mechanism). Built in security slot for Kensington™ type lock. Battery powered with 6 x AA batteries or AC adapter. Auto power off to save battery life. Large backlit display is clear and quick to read. Removable draft shield (on models with 120 mm pan only). Smart housing design lets you safely stack balances on top of each other for convenient storage (on models with 120 mm pan only). External dimensions: 170 x 245 x 80 mm. 200-240 V / 50-60 Hz. The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. Warranty 3 years. Delivery time: 10- 20 days

| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BCQT-200-001 | 200 g | 0,01 g | Ø 120 mm | 1 | |
| BCQT-250-001 | 250 g | 0,1 g | Ø 120 mm | 1 | |
| BCQT-600-001 | 600 g | 0,1 g | Ø 120 mm | 1 | |
| BCQT-1K5-001 | 1500 g | 0,1 g | Ø 120 mm | 1 | |
| BCQT-2K6-001 | 2600 g | 0,1 g | Ø 145 mm | 1 | |
| BCQT-2K0-001 | 2000 g | 1 g | Ø 145 mm | 1 | |
| BCQT-5K0-001 | 5000 g | 1 g | Ø 145 mm | 1 | |

## PORTABLE PRECISION BALANCE, MPB

METRIA

Applications: Piece counting, percentage calculation, unit conversion, density. Suitable for fieldwork as it can be used with 4 AA batteries or connected to the mains. Panel with integrated buttons to prevent liquid ingress. Stainless steel platform of 170 x 170 mm, RS232 interface. External calibration. 110-230 V / 50-60 Hz. 2-year warranty

| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BPPM-500-001 | 500 g | 0,01 g | 170 x 170 mm | 1 | |
| BPPM-1K0-001 | 1000 g | 0,01 g | 170 x 170 mm | 1 | |
| BPPM-3K0-001 | 3000 g | 0,01 g | 170 x 170 mm | 1 | |



## PRECISION BALANCE, YPB

METRIA

Applications: check weighing, piece counting. LCD display. Robust plastic body and big size stainless steel pan. Adjustable height feet. Panel with integrated buttons to prevent liquid ingress. Overload protection. Selectable measure units. Bubble level for correct position adjustment. External calibration. 110-240 V. Warranty 2 years

| reference | capacity | readability | pan size | calibration weight | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BYPB-600-001 | 600 g | 0,01 g | 128 x 157 mm | 500 g M1 (included) | 1 | |
| BYPB-3K0-001 | 3000 g | 0,1 g | 145 x 205 mm | 2000 g (not included) | 1 | |
| BYPB-5K0-001 | 5000 g | 0,01 g | 145 x 205 mm | 5000 g (not included) | 1 | |



## PORTABLE BALANCE, CB

ADAM

Robust ABS housing with overload protection. Stainless steel pan. Level indicator and adjusting feet. Three weighing units: gram, ounces and pounds. External calibration. Auto power off. Fed with 2 AA batteries or optional 220 V adapter (not included). Dimensions: 160 x 205 x 45 mm. The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. Warranty 2 years. Product in stock for instant delivery, with certificate, delivery in 14 days

| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BCBC-500-001 | 500 g | 0,1 g | Ø 130 mm | 1 | |
| BCBC-1K0-001 | 1000 g | 0,1 g | Ø 130 mm | 1 | |
| BCBC-3K0-001 | 3000 g | 1 g | Ø 130 mm | 1 | |



## ACCESSORIES FOR ADAM BALANCES

ADAM

Adapters and accessories for Adam scales

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BCBC-POW-001 | power adapter 220 V, for CB series | 1 | |



## POCKET BALANCE METRIA P



Overload and shock protection cover. Tare function. Electronic calibration. Retro illuminated display. Auto power off. Works with 2 x AAA batteries. Dimensions 127 x 79 x 18 mm. 2-year warranty

| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BPOC-200-001 | 200 g | 0,01 g | 77 x 66 mm | 1 | |
| BPOC-500-001 | 500 g | 0,1 g | 77 x 66 mm | 1 | |

## PORTABLE BALANCE METRIA E



Tare function. LCD screen. Battery: 2 x AAA. Auto turn off: 60s. Units: g, kg, oz, ct, lb, tl. Plate dimensions: 100 x 100 mm. Includes a transparent plate to weigh liquids and higher dimension objects. 2-year warranty

| reference | capacity | readability | pcs/ pack | price/ pack |
|---|---|---|---|---|
| POSC-600-001 | 600 g | 0,01 g | 1 | |
| POSC-2K0-001 | 2000 g | 0,1 g | 1 | |
| POSC-3K0-001 | 3000 g | 0,1 g | 1 | |

## SPOON BALANCE METRIA P



Tare function. LCD screen. Battery: 2 x AAA. Auto turn off: 60s. Units: g, kg, oz, ct, lb, tl. Body dimensions: 230 x 50 x 25 mm. Spoon dimensions: 60 x 50 x 25 mm

| reference | capacity | readability | pcs/ pack | price/ pack |
|---|---|---|---|---|
| SPSC-500-001 | 500 g | 0,1 g | 1 | |

## INDUSTRIAL SCALES, CM



High weight resolution. Parts counting function. Add weight value manually or automatically. Weight in grams or lb. Output data RS-232C. Big display with backlight. AC adaptor and Internal rechargeable battery included. External dimensions 325 x 330 x 110 mm. 100-240 V / 50-60 Hz. 2-year warranty. Delivery time 10 days

| reference | capacity | precision | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BCMS-3K0-001 | 3 kg | 0,1 g | 310 x 220 mm | 1 | |
| BCMS-6K0-001 | 6 kg | 0,2 g | 310 x 220 mm | 1 | |
| BCMS-15K-001 | 15 kg | 0,5 g | 310 x 220 mm | 1 | |
| BCMS-30K-001 | 30 kg | 1 g | 310 x 220 mm | 1 | |

## INDUSTRIAL WASH DOWN SCALES, ABW

Wash down scale (IP67 rated) ideal for food preparation, food processing plants, agricultural facilities and wet environments. Applications: weighing, %, check weighing. Double front and rear large backlit LCD with capacity tracker and coloured LED check limit indicators. AC adaptor and Internal rechargeable battery. Large stainless steel pan. 5 weighing units (g, kg, lb, oz, lb-oz). External calibration. External dimensions 255 x 290 x 105 mm. The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. 200-240 V / 50-60 Hz. Warranty 3 years. Delivery time: 10- 20 days





| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BABW-4K0-001 | 4 kg | 0,5 g | 245 x 180 mm | 1 | |
| BABW-8K0-001 | 8 kg | 0,5 g | 245 x 180 mm | 1 | |
| BABW-16K-001 | 16 kg | 0,5 g | 245 x 180 mm | 1 | |
| BABW-32K-001 | 32 kg | 5 g | 300 x 210 mm | 1 | |

## *INDUSTRIAL WASHDOWN SCALES, GLADIATOR

Wash down scale (IP67 rated) ideal for food preparation, food processing plants, agricultural facilities and wet environments. Applications: weighing, parts counting, percentage weighing, dynamic/animal weighing, check weighing. Internal rechargeable battery with auto-off to save battery life. Large backlit LCD display with capacity tracker and check weighing LED lights to show acceptable limits. Bi-directional RS-232 output for connection to computers and printers. Rugged stainless steel construction. External dimensions 250 x 351 x 575 mm (models with pan size 250 x 250 mm), 300 x 523 x 662 mm (models with pan size 300 x 400 mm), 400 x 605 x 1032 mm (models with pan size 400 x 500 mm), 450 x 702 x 1032 mm (models with pan size 450 x 600 mm). The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. Warranty 5 years. Delivery time: 10- 20 days



| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BGDT-8K0-001 | 8 kg | 0,2 g | 250 x 250 mm | 1 | |
| BGDT-16K-001 | 16 kg | 0,5 g | 250 x 250 mm | 1 | |
| BGDT-35K-001 | 35 kg | 1 g | 250 x 250 mm | 1 | |
| BGDT-35H-001 | 35 kg | 1 g | 300 x 400 mm | 1 | |
| BGDT-75K-001 | 75 kg | 2 g | 300 x 400 mm | 1 | |
| BGDT-75H-001 | 75 kg | 2 g | 400 x 500 mm | 1 | |
| BGDT-1Q5-001 | 150 kg | 5 g | 400 x 500 mm | 1 | |
| BGDT-1H5-001 | 150 kg | 5 g | 450 x 600 mm | 1 | |
| BGDT-3Q0-001 | 300 kg | 0,01 kg | 450 x 600 mm | 1 | |

We offer standard weights in classes E2, F1, and M1, compliant with OIML standards for precise calibration.

| Weight Class | Balance Type | Recommended Use | Balance Accuracy |
|---|---|---|---|
| Class E2 | Analytical Balance | High-precision calibration for analytical measurements | Clase I |
| Class F1 | Precision and Analytical Balance | Calibration for analytical and precision balances in laboratories | Clase I /Clase II |
| Class M1 | Industrial Balance | Calibration for high-capacity industrial balances | Class III |

These recommendations are general standards; however, it is important to verify if additional requirements apply according to specific workplace or application standards.

## INDUSTRIAL SCALES, CKT



Applications: weighing, parts counting, check weighing, check counting, accumulation of weight, percentage weighing, net total weighing. Ideal for stock control tasks and general weighing. The backlit LCD display changes color to show if a sample is under, over or within the set limits. Store and recall up to 100 products. RS-232 interface with multi-language, date and time output. ABS housing, stainless steel platform and non-slip feet. Powered by the included AC adapter or internal rechargeable battery. External calibration (except EC type approval models). External dimensions 326 x 355 x 115 mm. The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. Warranty 5 years. Delivery time: 10- 20 days

| reference | capacity | readability | pan size | calibration | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BCKT-4K0-001 | 4 kg | 0,1 g | 210 x 300 mm | internal | 1 | |
| BCKT-8K0-001 | 8 kg | 0,2 g | 210 x 300 mm | internal | 1 | |
| BCKT-8H0-001 | 8 kg | 0,1 g | 210 x 300 mm | internal | 1 | |
| BCKT-8HH-001 | 8 kg | 0,05 g | 210 x 300 mm | internal | 1 | |
| BCKT-16K-001 | 16 kg | 0,5 g | 210 x 300 mm | internal | 1 | |
| BCKT-16H-001 | 16 kg | 0,1 g | 210 x 300 mm | internal | 1 | |
| BCKT-32K-001 | 32 kg | 1 g | 210 x 300 mm | internal | 1 | |
| BCKT-32H-001 | 32 kg | 0,2 g | 210 x 300 mm | internal | 1 | |
| BCKT-48K-001 | 48 kg | 2 g | 210 x 300 mm | internal | 1 | |
| BCKT-48H-001 | 48 kg | 0,5 g | 210 x 300 mm | internal | 1 | |
| With EC type approval, CE M26 | | | | | | |
| BCKT-4M0-001 | 4 kg | 1 g | 210 x 300 mm | CE M26 | 1 | |
| BCKT-8M0-001 | 8 kg | 2 g | 210 x 300 mm | CE M26 | 1 | |
| BCKT-20M-001 | 20 kg | 5 g | 210 x 300 mm | CE M26 | 1 | |
| BCKT-40M-001 | 40 kg | 10 g | 210 x 300 mm | CE M26 | 1 | |

## *INDUSTRIAL SCALES, GFK



Applications: weighing, parts counting, %, dynamic/animal weighing, check weighing, check counting. Easily accessible internal rechargeable battery with auto-off to save battery life. Large backlit LCD display with capacity tracker and check weighing LED lights to show acceptable limits. Parts counting with freely selectable sample sizes. Automatic accumulation. Bi-directional RS-232 output for connection to computers and printers with multi-language print-outs. ABS plastic indicator and stainless steel pan. External calibration. External dimensions 600 x 950 x 860 mm (BGFK-6Q0-001), 400 x 620 x 860 mm (all other models). The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. Warranty 5 years. Delivery time: 10- 20 days

| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BGFK-75K-001 | 75 kg | 5 g | 400 x 500 mm | 1 | |
| BGFK-75H-001 | 75 kg | 1 g | 400 x 500 mm | 1 | |
| BGFK-1Q5-001 | 150 kg | 10 g | 400 x 500 mm | 1 | |
| BGFK-1H5-001 | 150 kg | 2 g | 400 x 500 mm | 1 | |
| BGFK-3Q0-001 | 300 kg | 20 g | 400 x 500 mm | 1 | |
| BGFK-6Q0-001 | 600 kg | 50 g | 600 x 800 mm | 1 | |

## INDUSTRIAL SCALES, LBX

Applications: weighing, parts counting, percentage weighing, check weighing. Backlit LCD display. Amber, green and red LEDs to indicate if a sample is under, within or over the present limits. Fast and stable in 1 second. Powered by the included AC adapter or internal rechargeable battery (up to 240 hours, rechargeable with a USB cable and Euro plug). ABS housing, stainless steel platform and non-slip feet. External calibration. External dimensions 255 x 290 x 105 mm. The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. Warranty 3 years. Delivery time: 10- 20 days



| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BLBX-3K0-001 | 3 kg | 0,5 g | 245 x 180 mm | 1 | |
| BLBX-6K0-001 | 6 kg | 1 g | 245 x 180 mm | 1 | |
| BLBX-12K-001 | 12 kg | 2 g | 245 x 180 mm | 1 | |
| BLBX-30K-001 | 30 kg | 5 g | 245 x 180 mm | 1 | |

## *INDUSTRIAL SCALES, GBK

Applications: weighing, check weighing, parts counting, check counting, percent weighing, dynamic/animal weighing. Backlit green display with 20 mm digits and capacity tracker. Full numeric keypad and colour coded keys. AC adaptor and Internal rechargeable battery. RS232 interface with multi-language, date and time output. ABS plastic indicator, stainless steel pan and die-cast aluminium base. Weighing units: g, kg. External calibration. External dimensions 300 x 520 x 680 mm. The scale is delivered with an instruction manual. Optional: factory calibration certificate (BAAC-CAL-001) must be ordered together with the scale. Warranty 2 years. Delivery time: 10- 20 days



| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BGBK-8K0-001 | 8 kg | 0,1 g | 300 x 400 mm | 1 | |
| BGBK-16K-001 | 16 kg | 0,5 g | 300 x 400 mm | 1 | |
| BGBK-32K-001 | 32 kg | 1 g | 300 x 400 mm | 1 | |
| BGBK-60K-001 | 60 kg | 2 g | 300 x 400 mm | 1 | |
| BGBK-12Q-001 | 120 kg | 5 g | 300 x 400 mm | 1 | |

## HOW TO CHOOSE A SCALE?

1. Capacity: What is the maximum weight that we will need to weigh on the scale?
2. Precision: What level of accuracy do we require in the results?
3. Usage: What is it going to be used for? Is it for pricing, commercial transactions? Where will it be installed?



## *INDUSTRIAL SCALES, CPWPLUS



Robust construction for industrial and veterinary use. Applications: Auto power-off, “Zero-tracking,” the “hold” function keeps the result on the screen after removing the weight from the platform, selectable weighing units (kg, lb, oz). Selectable digital filtering to control the effects of vibrations and disturbances. Stainless steel 304 platform. The housing, keypad, and display are splash-proof and easy to clean. Mounting bracket included for placing the indicator on a vertical surface. Operates with 6 AA batteries or AC adapter (for models with 300 x 300 mm and 300 x 355 mm platforms). Operates with a rechargeable internal battery or AC adapter (for models with 500 x 500 mm and 900 x 600 mm platforms). RS-232 interface. External dimensions: 300 x 300 x 500 mm (models with 500 x 300 x 300 mm platforms), 500 x 500 x 78 mm (CPWplus M), and 900 x 600 x 78 mm (CPWplus L). Warranty: 3 years. Delivery time: 10 to 20 days

| reference | capacity | readability | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| BCPW-6K0-001 | 6 kg | 2 g | 300 x 300 mm | 1 | |
| BCPW-15K-001 | 15 kg | 5 g | 300 x 300 mm | 1 | |
| BCPW-35K-001 | 35 kg | 10 g | 500 x 500 mm | 1 | |
| BCPW-75K-001 | 75 kg | 20 g | 500 x 500 mm | 1 | |
| BCPW-K30-001 | 300 kg | 100 g | 900 x 600 mm | 1 | |

## DENSITY DETERMINATION KIT



The density determination kit consists of an apparatus which allows the user to weigh a sample in air and then weigh the same sample in water or any other liquid with a known density. The software in the balance takes the operator through the process and finally displays the resulting density on the LCD in g/cm³, compensating for temperature and for the use of alternative fluids when calculating the density of solids. Delivery time 10- 20 days

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| BAAC-A26-001 | for series AS PLUS | 1 | |
| BAAC-A27-001 | for series PS (models with readability 1 mg only) | 1 | |
| BAAC-A28-001 | for series PS (models with readability 0,01 g only) | 1 | |

## Density determination kit, METRIA



Density determination kit for solids and liquids. Compatible with TOUCH and PLUS balance series. Includes accessories for liquid measurement and dedicated holders for solid samples

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BAAC-A75-001 | density determination kit for series TOUCH and PLUS | 1 | |

## THERMAL PRINTER FOR BALANCES

A general purpose thermal tally roll printer specifically designed to work with the Adam series balances. Preset to work with the default RS-232 interface found on the Adam balances. Easy to use with only an On/Off switch and a paper feed button. Paper width: 57.5 mm. Delivery time 14 days

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| BAAC-A57-001 | thermal printer for series PMB, LUNA, EQUINOX, SOLIS, HCB, GLADIATOR, CKT, GFK, GBK and CPWplus | 1 | |
| BAAC-A23-001 | thermal paper roll for printer BAAC-A57-001 | 1 | |
| BAAC-A08-001 | RS-232 cable for series EQUINOX, SOLIS, LUNA y CKT | 1 | |



## PRINTER FOR BALANCES, METRIA

Compact thermal printer by Metria. Preconfigured to operate with RS-232, USB and Bluetooth interface. Features quick paper-loading system and single-button feed/self-test function. Compatible with thermal rolls up to Ø50 mm. Effective print width: 48 mm. 120–240 V / 50- 60 Hz. 2-year warranty

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BAAC-PRI-001 | compact thermal printer for series PLUS, TOUCH, MMB, YPZ, MBP and YPB | 1 | |
| BAAC-A73-001 | thermal paper roll for Metria balance printer | 1 | |




## ADAM CALIBRATION CERTIFICATE

This factory calibration certificate must be ordered together with the balance. At the time of purchase the applicant's data must be stated so that it appears on the document. Otherwise, the certificate will be issued in the name of the buyer. The document includes the serial number of the instrument and the results of the calibration tests carried out at the factory

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| BAAC-CAL-001 | certificate for all Adam scales series | 1 | |




## *ANTI-VIBRATION TABLE, INBAUTEK

The table is composed of two independent structures, one assembled inside another. The interior structure is made of cold rolled steel tube and finished in epoxy-polyester paint. This structure integrates the silentbock system on which four marble stones are placed to ensure the absence of vibrations. The dimensions of the marble weighing plate are 40 x 40 mm (width x depth). The surface is topped in compact phenolic Trespa Toplab, which will form the anti-vibration zone. The outer structure is also composed of cold-rolled steel and epoxy-polyester paint, on which falls the work surface of compact phenolic Trespa Toplab. As this structure is completely independent, the vibrations are not transmitted to the interior structure. Dimensions of the table: 900 x 750 x 900 mm. Includes a leveling system to save soil irregularities. Delivery time: 5-7 weeks

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| AVTW-001-001 | anti-vibration table, INBAUTEK | 1 | |



## WEIGHING FUNNEL

Made of borosilicate glass 3.3



| reference | capacity | pcs/ pack | price/ pack |
|---|---|---|---|
| WFU3-003-002 | 3 ml | 2 | |
| WFU3-006-002 | 6 ml | 2 | |
| WFU3-010-002 | 10 ml | 2 | |

## *ENAC CALIBRATION CERTIFICATE FOR WEIGHTS

Delivered by a laboratory approved by ENAC under ISO 17025 standards, recognized by similar accreditation bodies in 50 countries, such as COFRAC (France), DKD (Germany) or UKAS (UK). The laboratory issues calibration certificates for the weights in digital format. Note: Company data are mandatory for issuing a certificate. Delivery time 10 days




| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| Calibration of new weights | | | |
| CERW-E01-001 | for M1 weights (1mg up to 20 Kg) | 1 | |
| CERW-E03-001 | for F1 weights (1mg up to 10 Kg) | 1 | |
| CERW-E07-001 | for E2 weights (1mg up to 500 g) | 1 | |
| CERW-E05-001 | for complete set of 12 weight fractions of gram class F1 or M1 | 1 | |

## PRECISION WEIGHT, STAINLESS STEEL, CLASS M1

Individual case included. According to OIML R-111 recommendations. Certificate not included



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| WM1B-001-001 | 1 g ± 1,0 mg | 1 | |
| WM1B-002-001 | 2 g ± 1,2 mg | 1 | |
| WM1B-005-001 | 5 g ± 1,5 mg | 1 | |
| WM1B-010-001 | 10 g ± 2,0 mg | 1 | |
| WM1B-020-001 | 20 g ± 2,5 mg | 1 | |
| WM1B-050-001 | 50 g ± 3,0 mg | 1 | |
| WM1B-100-001 | 100 g ± 5,0 mg | 1 | |
| WM1B-200-001 | 200 g ± 10 mg | 1 | |
| WM1B-500-001 | 500 g ± 25 mg | 1 | |
| WM1B-1K0-001 | 1000 g ± 50 mg | 1 | |
| WM1B-2K0-001 | 2000 g ± 100 mg | 1 | |

## PRECISION WEIGHT, STAINLESS STEEL, CLASS F1

METRIA

Individual case included. According to OIML R-111 recommendations. Certificate not included

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| WF1S-001-001 | 1 g ± 0,10 mg | 1 | |
| WF1S-002-001 | 2 g ± 0,12 mg | 1 | |
| WF1S-005-001 | 5 g ± 0,15 mg | 1 | |
| WF1S-010-001 | 10 g ± 0,20 mg | 1 | |
| WF1S-020-001 | 20 g ± 0,25 mg | 1 | |
| WF1S-050-001 | 50 g ± 0,30 mg | 1 | |
| WF1S-100-001 | 100 g ± 0,50 mg | 1 | |
| WF1S-200-001 | 200 g ± 1,0 mg | 1 | |
| WF1S-500-001 | 500 g ± 2,5 mg | 1 | |
| WF1S-1K0-001 | 1000 g ± 5 mg | 1 | |
| WF1S-2K0-001 | 2000 g ± 10 mg | 1 | |
| WF1S-5K0-001 | 5000 g ± 25 mg | 1 | |





## PRECISION WEIGHT, STAINLESS STEEL, CLASS E2

METRIA

Individual case included. According to OIML R-111 recommendations. Certificate not included

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| WE2S-001-001 | 1 g ± 0,03 mg | 1 | |
| WE2S-002-001 | 2 g ± 0,04 mg | 1 | |
| WE2S-005-001 | 5 g ± 0,05 mg | 1 | |
| WE2S-010-001 | 10 g ± 0,06 mg | 1 | |
| WE2S-020-001 | 20 g ± 0,08 mg | 1 | |
| WE2S-050-001 | 50 g ± 0,10 mg | 1 | |
| WE2S-100-001 | 100 g ± 0,16 mg | 1 | |
| WE2S-200-001 | 200 g ± 0,3 mg | 1 | |
| WE2S-500-001 | 500 g ± 0,8 mg | 1 | |
| WE2S-1K0-001 | 1000 g ± 1,6 mg | 1 | |
| WE2S-2K0-001 | 2000 g ± 3 mg | 1 | |




## PRECISION WEIGHTS, MADE OF BLACK CAST IRON, CLASS M1

METRIA

According to OIML R-111. Individual case and certificate not included

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| WM1M-5K0-001 | 5000 g ± 250 mg | 1 | |
| WM1M-10K-001 | 10000 g ± 500 mg | 1 | |
| WM1M-20K-001 | 20000 g ± 500 mg | 1 | |





## METRIA PRECISION WEIGHTS FULL SET WEIGHT < 1 g, CLASS M1

Case with 12 fractions. According to OIML R-111 recommendations. Certificate not included. For weights of 2, 20 and 200 mg, 2 units are included

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| WM1J-001-001 | 1, 2 (2), 5, 10, 20 (2), 50, 100, 200 (2) and 500 mg | 1 | |



## METRIA PRECISION WEIGHTS FULL SET WEIGHT < 1 g, CLASS F1

Case with 12 fractions. According to OIML R-111 recommendations. Certificate not included. For weights of 2, 20 and 200 mg, 2 units are included

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| WF1J-001-001 | 1, 2 (2), 5, 10, 20 (2), 50, 100, 200 (2) and 500 mg | 1 | |



## WEIGHING PAN, ALUMINIUM

Also used in moisturing process

| reference | $Ø_{top}$ (mm) | $Ø_{inside}$ (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| WPAL-056-050 | 59 | 56 | 7 | 50 | |
| WPAL-072-100 | 74 | 72 | 7 | 100 | |
| WPAL-093-100 | 98 | 93 | 7 | 100 | |
| WPAL-071-100 | 84 | 71 | 15 | 100 | |
| WPAL-050-100 | 66 | 50 | 24 | 100 | |



## astiK's WEIGHING PAN, POLYSTYRENE, WHITE

Anti-static, square or rhomboid shape

| reference | capacity | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| WPAP-041-500 | 7 ml | 7,5 | 41 | 41 | square shape | 500 | |
| WPAP-089-500 | 100 ml | 24 | 89 | 89 | square shape | 500 | |
| WPAP-140-500 | 250 ml | 22 | 140 | 140 | square shape | 500 | |
| WPAP-058-250 | 5 ml | 6 | 58 | 36 | rhomboid shape | 250 | |
| WPAP-059-250 | 30 ml | 14 | 59 | 83 | rhomboid shape | 250 | |
| WPAP-099-125 | 100 ml | 20 | 99 | 124 | rhomboid shape | 125 | |



## astiK's WEIGHING PAN, POLYSTYRENE, BLACK

Anti-static, square or rhomboid shape

| reference | capacity | h (mm) | l (mm) | w (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| WPAN-044-250 | 7 ml | 9 | 44 | 44 | square shape | 250 | |
| WPAN-080-250 | 100 ml | 24 | 80 | 80 | square shape | 250 | |
| WPAN-135-250 | 250 ml | 24 | 135 | 135 | square shape | 250 | |
| WPAN-058-250 | 5 ml | 6 | 58 | 36 | rhomboid shape | 250 | |
| WPAN-059-250 | 30 ml | 14 | 59 | 83 | rhomboid shape | 250 | |
| WPAN-099-125 | 100 ml | 20 | 99 | 124 | rhomboid shape | 125 | |

## MAGNETIC STIRRER WITHOUT HEATING, BS1, 1 L

Basic laboratory product for occasional use. Compact design. Speed adjustable between 300 and 1800 rpm. Capacity: 1 L. For magnetic bars up to 30 mm. Supplied with a magnetic bar. Dimension of work plate: Ø 100 mm. Brushless DC motor, maintenance free. External dimensions (L x W x H): 138 x 130 x 41 mm. 100-240 V / 50-60 Hz. Protection class IP42. 2-year warranty



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIS-BS1-001 | magnetic stirrer LBX BS01, 1 L | 1 | |

## COMPACT MAGNETIC STIRRER WITHOUT HEATING, S01, 0,8 L

Ultra-flat. Speed adjustable between 15 and 1500 rpm. Capacity: 0,8 L. Can reverse direction of rotation. Housing made of ABS, chemically resistant. For magnetic bars up to 40 mm (not included). Dimension of work plate (mm): 90 x 90. Slip-proof and stable. External dimensions (L x W x H): 175 x 120 x 15 mm. 200-240 V / 50-60 Hz, high insulation rating IP65 (DIN EN60529). Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIS-000-001 | magnetic stirrer LBX S01 series, 0.8 L | 1 | |

## MAGNETIC STIRRER WITHOUT HEATING, BASIC, 1,5 L

Ultra silent and vibration-free design. Speed adjustable between 300 and 2000 rpm. Capacity: 1,5 L. For magnetic bars up to 40 mm (not included). Dimension of work plate: Ø120mm. PET top provides excellent chemical resistance. Brushless DC motor, maintenance free. External dimensions (L x W x H): 145 x 150 x 50 mm. 200-240 V / 50-60 Hz, protection class IP21 (DIN EN60529). Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIS-00B-001 | magnetic stirrer LBX BASIC series, 1,5 L | 1 | |

## MAGNETIC STIRRER WITHOUT HEATING, S03, 3 L

Speed adjustable between 0 and 1500 rpm. Capacity: 3 L. Housing made of ABS with fire retardant material; withstans weak acids and alkalis. For beakers Ø <135 mm and magnetic bars from 30 mm up to 50 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 260 x 150 x 80 mm. 200-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIS-003-001 | magnetic stirrer, LBX S03 series, 3 L | 1 | |

## DIGITAL MAGNETIC STIRRER WITHOUT HEATING, S03D, 3 L

Speed adjustable between 200 and 1500 rpm. Capacity: 3 L. Housing made of ABS with fire retardant material; withstands weak acids and alkalis. LED display for set and actual speeds. Microprocessor control technology guarantees speed control accuracy. For beakers Ø<135 mm and magnetic bars from 30 mm up to 50 mm long. Supplied with a PTFE magnetic bar. DC brushless motor maintenance free. External dimensions (L x W x H): 260 x 150 x 80 mm. 200-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIS-D03-001 | magnetic stirrer, LBX S03D series, 3 L | 1 | |



## MAGNETIC STIRRER WITHOUT HEATING, S20, 20 L

Speed adjustable between 0 and 1500 rpm. Capacity: 20 L. Ceramic coated plate. Motor with electronic speed control, constant speed even during changes in load. High magnetic adhesion, preventing the stirrer bar from escaping. DC brushless motor guarantees long service. For beakers Ø 135 mm and magnetic bars from 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 280 x 160 x 85 mm. 200-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIS-020-001 | magnetic stirrer LBX S20 series, 20 L | 1 | |



## MAGNETIC WITH HEATING UP TO 260 °C, B02, 2 L

Basic laboratory product for occasional use. Stirring speed adjustable between 200 and 1500 rpm. Temperature adjustable up to 260 °C on plate. Capacity: 2 L. Heating power: 200 W. For beakers with Ø < 135 mm and magnetic bars up to 30 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 225 x 155 x 90 mm. 220 V / 50-60 Hz. 2-year warranty

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIH-B02-001 | magnetic stirrer LBX B02, 2 L | 1 | |



## MAGNETIC MINI-STIRRER WITH HEATING UP TO 320 °C, H01, 2 L

Epoxy resin housing and aluminum plate with aluminum heating plate with dimensions 120 x 120 mm. Stirring speed adjustable between 100 and 2000 rpm. Temperature adjustable up to 320 °C on plate. Capacity: 2 L. Electric motor power: 10 W, heating power: 180 W. Includes aluminum rod and retort clamp for thermometer holding. External dimensions (L x W x H): 200 x 120 x 90 mm. 220 V / 50-60 Hz. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIH-001-001 | magnetic mini-stirrer LBX H01 series, 2 L | 1 | |



## DIGITAL MAGNETIC STIRRER WITH HEATING UP TO 280 °C, H03D, 3 L

Housing made of ABS with fire retardant material; withstands weak acids and alkalis. Ceramic coated hotplate. LED display for temperature and speed. Stirring speed adjustable between 200 and 1500 rpm. Temperature adjustable up to 280 °C on plate. Capacity: 3 L. Heating power: 515 W. Optional: external temperature sensor Pt1000 allows a real-time temperature control (accuracy ±0,5°C). HOT warning indicates residual hotplate temperature. DC brushless motor, maintenance free. For beakers with Ø < 135 mm and magnetic bars up to 50 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 260 x 150 x 100 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIH-D03-001 | magnetic stirrer LBX H03D series, 3 L | 1 | |

CE

Complies with the specifications defined in the European directive

## MAGNETIC STIRRER WITH HEATING UP TO 340 °C, H20, 20 L

Ceramic coated hotplate. Stirring speed adjustable between 0 and 1500 rpm. Temperature adjustable up to 340 °C on plate. Heating power: 530 W. Separated safety circuit, automatically stopping heating when temperature goes over 350 °C. Capacity: 20 L. Motor with electronic speed control, constant speed even during changes in load. High magnetic adhesion, preventing the stirrer bar from escaping. DC brushless motor maintenance free. For beakers with Ø135 mm and magnetic bars fromt 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 280 x 160 x 85 mm. 200-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIH-020-001 | magnetic stirrer LBX H20 series, 20 L | 1 | |

## DIGITAL MAGNETIC STIRRER WITH HEATING UP TO 340 °C, H20D+, 20 L

Three heating modes: fast, standard and stable. Ceramic coated hotplate. Stirring speed adjustable between 100 and 1500 rpm. Temperature adjustable up to 340 °C on plate. Capacity: 20 L. Heating power: 600 W. PID temperature technology allows a very precise control of the heating process, reaching quickly the target temperature and enhancing control accuracy. LCD display for temperature and speed. Separated safety circuits, automatically stopping heating when temperature goes over 420 °C. HOT warning indicates residual hotplate temperature, even if switched off. Includes an external temperature sensor Pt1000 that allows a real-time temperature control (accuracy ±0,2°C). Support clamp for temperature sensor STIH-A04-001 not included. DC brushless motor, maintenance free. For beakers Ø < 135 mm and magnetic bars from 30 mm up to 80 mm long. External dimensions (L x W x H): 280 x 160 x 85 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIH-D21-001 | magnetic stirrer H20D+, with sensor Pt1000 included | 1 | |

## DIGITAL MAGNETIC STIRRER WITH HEATING UP TO 340 °C, STIR 32A, 20 L

Superior quality laboratory product. Aluminum hotplate with ceramic coating. Stirring speed adjustable between 50 and 1500 rpm. Temperature adjustable up to 340 °C on plate. Three heating modes: fast, standard and stable. Timer (1 min – 99 h 59 min). Capacity: 20 L. Heating power: 600 W. LCD display showing speed, temperature and time. Two independent safety circuits: the equipment shuts down in case of overheating (> 420 °C), sensor failure, or short circuit. HOT warning indicates residual hotplate temperature, even if switched off. Includes an external temperature sensor and support clamp for the temperature sensor. DC brushless motor, maintenance free. For beakers Ø < 135 mm and magnetic bars up to 80 mm. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 270 x 175 x 98 mm. 200-240 V / 50-60 Hz, insulation rating IP41. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STHP-342-001 | magnetic stirrer Stir 32S, 20 L with sensor Pt1000 included | 1 | |

ELITEX

Elitex is a new line of laboratory equipment designed to provide precision, stability, and reliable daily operation. Its focus on robustness and efficiency delivers practical solutions for environments that require consistent results and straightforward handling.



## DIGITAL MAGNETIC STIRRER WITH HEATING UP TO 550 °C, H20SQC, 10 L

Glass Ceramic hotplate, dimensions 184x184 mm. Stirring speed adjustable between 0 and 1500 rpm. Temperature adjustable up to 550 °C on plate. Capacity: 10 L. Heating power: 1030 W. LED display that shows both the real and set temperature . Separated safety circuits, automatically stopping heating when temperature goes over 580 °C. HOT warning indicates residual hotplate temperature, even if switched off. Includes an external temperature sensor Pt1000, that allows a real-time temperature control. Support clamp for temperature sensor STIH-A04-001 not included. For magnetic bars from 30 mm up to 80 mm long. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 360 x 215 x 112 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIH-G20-001 | magnetic stirrer LBX H20SQC series, 10 L with sensor Pt1000 included | 1 | |



## DIGITAL MAGNETIC STIRRER WITH HEATING UP TO 550 °C, STIR 51G, 10 L

Superior quality laboratory product. Glass Ceramic hotplate, dimensions 100 x 100 mm. Stirring speed adjustable between 50 and 1500 rpm. Temperature adjustable up to 550 °C on plate. Three heating modes: fast, standard and stable. Timer (1 min – 99 h 59 min). Capacity: 10 L. Heating power: 380 W. LCD display showing the actual and programmed speed, temperature and time. Two independent safety circuits: the equipment shuts down in case of overheating (> 580 °C), sensor failure, or short circuit. HOT warning indicates residual hotplate temperature, even if switched off. Includes an external temperature sensor and support clamp for the temperature sensor. DC brushless motor, maintenance free. For magnetic bars bars up to 40 mm. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 270 x 175 x 108 mm. 200-240 V / 50-60 Hz, insulation rating IP21. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STHP-551-001 | magnetic stirrer Stir 51G, 10 L with sensor Pt1000 included | 1 | |



## DIGITAL MAGNETIC STIRRER WITH HEATING UP TO 550 °C, STIR 52G, 20 L

Superior quality laboratory product. Glass Ceramic hotplate, dimensions 184 x 184 mm. Stirring speed adjustable between 50 and 1500 rpm. Temperature adjustable up to 550 °C on plate. Three heating modes: fast, standard and stable. Timer (1 min – 99 h 59 min). Capacity: 20 L. Heating power: 1150 W. LCD display showing the actual and programmed speed, temperature and time. Two independent safety circuits: the equipment shuts down in case of overheating (> 580 °C), sensor failure, or short circuit. HOT warning indicates residual hotplate temperature, even if switched off. Includes an external temperature sensor and support clamp for the temperature sensor. Includes an external temperature sensor and support clamp for the temperature sensor. DC brushless motor, maintenance free. For magnetic bars bars up to 80 mm. Supplied with a PTFE magnetic bar. External dimensions (L x W x H): 360 x 230 x 110 mm. 200-240 V / 50-60 Hz, insulation rating IP21. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STHP-552-001 | magnetic stirrer Stir 52G, 20 L with sensor Pt1000 included | 1 | |

## DIGITAL MAGNETIC STIRRER WITH HEATING UP TO 500 °C, H30SQC, 30 L

Glass Ceramic heating plate of 254×254 mm. Stirring speed adjustable between 100 and 1500 rpm (resolution ±1 rpm). Temperature adjustable up to 500 °C on plate. Capacity: 30 L. Heating power: 1350 W. LCD display that shows the temperature (±0,1 °C) as well as the set and actual speed. Separated safety circuits, automatically stopping heating when temperature goes over 540 °C. HOT warning indicates residual hotplate temperature, even if switched off. Optional: external temperature sensor Pt1000 that allows a real-time temperature control (accuracy ±0,2 °C). Support clamp for temperature sensor STIH-A04-001 not included. DC brushless motor maintenance free. For magnetic bars from 30 mm up to 80 mm long. Supplied with a magnetic bar. External dimensions (L x W x H): 328 x 424 x 138 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIH-G30-001 | magnetic stirrer LBX H30SQC series, 30 L | 1 | |

## ACCESSORIES FOR MAGNETIC STIRRERS

Pt1000 temperature sensor with and without glass coating, support clamp for temperature sensor and protective cover with temperature resistance of 135°C





| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIH-A09-001 | Pt1000 (L=230 mm) compatible with H03D, H20D+, H20SQC, H30SQC, and H10X04 | 1 | |
| STIH-A10-001 | Pt1000 with glass coating (L=230 mm) compatible with H03D, H20D+, H20SQC, H30SQC and H10X04 | 1 | |
| STIH-A04-001 | support clamp for temperature sensor - compatible with H20D+, H20SQC, H30SQC, H03D and H10X04 | 1 | |
| STIH-A05-001 | protective cover for H20 and H20D+ | 1 | |
| STIH-A06-001 | support clamp for B02 | 1 | |
| STIH-A07-001 | protective cover for H03D | 1 | |



## MULTI-POSITION MAGNETIC STIRRER WITHOUT HEATING, S04X10, 10 POSITIONS

High-performance magnetic stirrer with 10 stirring positions that benefits laboratory space. Speed adjustable between 0 and 1100 rpm. Capacity per position: 0,4 L. Stainless steel plate with silicone film, anti-slip and anti-corrosion. Homogenous stirring for all positions (same speed). DC brushless motor, maintenance free. Dimension of work plate: 180 x 450 mm. For magnetic bars up to 40 mm long. Supplied with a PTFE magnetic bars. External dimensions (L x W x H): 552 x 182 x 65 mm. 200-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIS-100-001 | multi-position magnetic stirrer LBX S04X10 series, 10 positions, 0,4 L per position | 1 | |



## MULTI-POSITION MAGNETIC STIRRER WITH HEATING, H04X10, 10 POSITIONS

High-performance magnetic stirrer with 10 stirring positions that benefits laboratory space. Temperature adjustable up to 120°C on plate, producing a maximum fluid temperature of 70°C (depending on the type of container). Speed adjustable between 0 and 1100 rpm. Capacity per position: 0,4 L. Stainless steel plate with silicone film, anti-slip and anti-corrosion. Homogenous stirring for all positions (same speed and heating). DC brushless motor, maintenance free. Dimension of work plate: 180 x 450 mm. For magnetic bars up to 40 mm long. External dimensions (L x W x H): 622 x 182 x 65 mm. 200-240 V / 50-60 Hz, insulation rating IP42 (DINEN60529). Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIH-100-001 | multi-position magnetic stirrer with heating LBX H04X10 series | 1 | |



## MULTI-POSITION MAGNETIC STIRRER WITH HEATING, H10X04, 4 POSITIONS

High-performance magnetic stirrer with 4 stirring positions that benefits laboratory space. Temperature adjustable up to 340 °C on plate. Speed adjustable between 200 and 1500 rpm. Capacity per position: 10 L. Ceramic-coated hotplates. Stirring and temperature adjustable on each plate independently. DC brushless motor, maintenance free. Dimension of the work plates: 4 x 135 mm. For magnetic bars up to 40 mm long. External dimensions (L x W x H): 698 x 270 x 128 mm. 200-240 V / 50-60 Hz, insulation rating IP20. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MSTH-410-001 | multi-position magnetic stirrer with heating LBX H10X04 series | 1 | |



## ALUMINUM REACTION BLOCKS

Made of aluminum, to hold round bottom flasks on top of stirrers and hotplates. Hole for thermometer of Ø 6 mm

| reference | capacity | $Ø_{base}$ (mm) | $Ø_{top}$ (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| RBLO-050-001 | 50 ml | 103 | 53 | 28,5 | 1 | |
| RBLO-100-001 | 100 ml | 115 | 65 | 34,5 | 1 | |
| RBLO-250-001 | 250 ml | 138 | 88 | 46 | 1 | |
| RBLO-500-001 | 500 ml | 160 | 110 | 57 | 1 | |



## DIGITAL OVERHEAD STIRRER, OS05 AND OS10

Basic laboratory product for occasional use. Vertical rotation stirrer with speed regulation between 100 and 1200 rpm. Includes a stand and a stirring bar. Digital screen that shows speed and timer (0- 24 h). Compatible with Ø 1 – 10 mm stirring rods. DC brushless motor, maintenance free. External dimensions (L x W x H): 134 x 70 x 173 mm. 100–240 V / 50–60 Hz. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIV-005-001 | overhead stirrer LBX OS05 series, cap: 5 L, 5000 mPas, 36 W | 1 | |
| STIV-010-001 | overhead stirrer LBX OS10 series, cap: 10 L, 8000 mPas, 50 W | 1 | |

## DIGITAL OVERHEAD STIRRER, OS20 AND OS40

Vertical rotation stirrer with speed regulation between 50 and 2200 rpm. Used for stirring beakers and other bottles by a stick (not included, see accessories) fixed in the shaft. To fix it, you will require a retort stand and a bosshead (not included). LED displays actual speed. Anti-spill system. Overload protection, motor would automatically stop in case of continuous overload. Separated safety circuits, automatically cut off the circuit in abnormal conditions. Compatible with Ø 6 – 10 mm stirring rods. DC brushless motor, maintenance free. External dimensions (L x W x H): 186 x 83 x 220 mm. 200-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years. It is recommended to combine with retort stand RTSP-250-001 and bosshead BOSH-001-001



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIV-020-001 | overhead stirrer LBX OS20 series, cap: 20 L, 10000 mPas, 70 W | 1 | |
| STIV-040-001 | overhead stirrer LBX OS40 series, cap: 40 L, 50000 mPas, 130 W | 1 | |

## DIGITAL OVERHEAD STIRRER, TURBO OS30 AND TURBO OS50

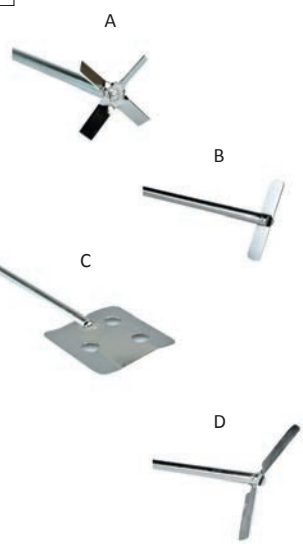
Superior quality laboratory product. Vertical rotation stirrer with speed regulation between 50 and 2200 rpm with automatic strength correction to maintain the desired speed depending on the sample resistance. Can reverse direction of rotation. Timer (1 min – 99 h 59 min). Used for stirring beakers and other bottles by a stirring bar (not included, see accessories) fixed in the shaft. To fix it, you will require a retort stand and a bosshead (not included). LCD screen displays speed, temperature, time and torque. The instrument sounds an alarm if any malfunction occurs or when the programmed time elapses. Compatible with Ø 0.5 – 10 mm stirring rods. DC brushless motor, maintenance free. External dimensions (L x W x H): 240 x 90 x 227 mm. 200-240 V / 50-60 Hz. Warranty 2 years. It is recommended to combine with retort stand RTSP-250-001 and bosshead BOSH-001-001



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| STIV-030-001 | overhead stirrer, Turbo OS30 series, cap: 30 L, 40 Ncm, 10000 mPas, 70 W | 1 | |
| STIV-050-001 | overhead stirrer, Turbo OS50 series, cap: 50 L, 60 Ncm, 50000 mPas, 130 W | 1 | |

## STIRRING BARS FOR OVERHEAD STIRRERS

Stirring bars (Ø 8 mm) with the following available shapes: Crossed stirrer: Standard stirring element used at medium and high speeds (A) Straight stirrer: Ideal for the mixing of low viscosity media at medium and high speeds (B) Blade stirrer: Ideal for samples that need gentle processing at low and medium speeds (C) Centrifugal stirrer: Ideal for stirring in round vessels with narrow necks (folding blades) (D) Available in 316L stainless steel or PTFE coated




| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| 316L stainless steel stirring bars | | | |
| STIV-A05-001 | crossed stirrer, shaft length 40 cm, stirrer Ø 5 cm (A) | 1 | |
| STIV-A06-001 | straight stirrer, shaft length 40 cm, stirrer Ø 6 cm (B) | 1 | |
| STIV-A07-001 | blade stirrer, shaft length 40 cm, stirrer Ø 6,8 cm (C) | 1 | |
| STIV-A08-001 | centrifugal stirrer, shaft length 40 cm, stirrer Ø 9 cm (D) | 1 | |
| PTFE coated stirring bars | | | |
| STIV-A09-001 | PTFE - crossed stirrer, shaft length 35 cm, stirrer Ø 6,5 cm (A) | 1 | |
| STIV-A10-001 | PTFE - straight stirrer, shaft length 35 cm, stirrer Ø 7 cm (B) | 1 | |
| STIV-A11-001 | PTFE - blade stirrer, shaft length 35 cm, stirrer Ø 6,8 cm (C) | 1 | |
| STIV-A12-001 | PTFE - centrifugal stirrer, shaft length 35 cm, stirrer Ø 8,5 cm (D) | 1 | |



## PORTABLE MINI TISSUE HOMOGENIZER, TH-1

Ideal for homogenizing and grinding small biological samples (bacterial, plant and animal tissues, etc.). Three adjustable speed levels: 5000 rpm, 10000 rpm and 18000 rpm. Suitable for volumes up to 2 ml. Lightweight and operable with one hand. Rechargeable internal battery with up to 1 hour runtime. Stainless-steel probe, highly stable and sterilizable. Dimensions (L x Ø): 125 x 16 mm. Weight: 0.086 kg. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| HHGR-M20-001 | portable mini tissue homogenizer, TH-1 | 1 | |



## TISSUE HOMOGENIZER, TH-2

Ideal for homogenizing and grinding small biological samples (bacterial, plant and animal tissues, etc.). Speed: 11000. Suitable for volumes of 1.5 ml. Lightweight and operable with one hand. Two rechargeable internal batteries with a runtime of 5 to 8 hours. Includes two interchangeable probes: one plastic and the other stainless steel, which is highly stable and sterilizable. Dimensions (L x Ø): 168 x 26 mm. Weight: 0.2 kg. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| HHGR-015-001 | tissue homogenizer, TH-2 | 1 | |



## PORTABLE ROTOR-STATOR HOMOGENIZER, RSH-1

Ideal for rapid homogenization of biological samples (cell lysis and homogenization of soft tissue) and for applications involving liquids and suspensions, including mixing or emulsions. Ten adjustable speed levels allowing to regulate the speed between 8000 and 30000 rpm. Suitable for volumes between 0.1 ml and 250 ml. Maximum viscosity of 5000 mPas. Input power of 160 W and output power of 110 W. Lightweight and operable with one hand. Includes a holder and a 10 mm rotor-stator probe (made of corrosion-resistant and autoclavable 316L stainless steel); other rotor-stator probes available as accessories. External dimensions (L x W x H): 55 x 57 x 210 mm. 200-240 V / 50-60 Hz, insulation rating IP20. 2-year warranty

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| RSHO-250-001 | portable rotor-stator homogenizer, RSH-1 | 1 | |
| Accessories and spare parts | | | |
| RSHO-A01-001 | holder | 1 | |
| RSHO-A02-001 | 5 mm rotor-stator probe | 1 | |
| RSHO-A03-001 | 7 mm rotor-stator probe | 1 | |
| RSHO-A04-001 | 10 mm rotor-stator probe | 1 | |



## MINI VORTEX STIRRER, WITHOUT SPEED CONTROL, V01

Basic laboratory product for occasional use. Compact and portable design. Touch function. Fixed speed of 3000 rpm. Orbital diameter of 4.5 mm. Loading capacity of 50 ml. Brushless DC motor, maintenance free. External dimensions (L x W x H): 93 x 93 x 72 mm. 100-240 V / 50-60 Hz, insulation rating IP42. 2-year warranty

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| VORX-001-001 | mini Vortex stirrer LBX V01 series | 1 | |

## MINI VORTEX STIRRER, V03, WITHOUT SPEED CONTROL

Small footprint and compact structure. Touch function. Fixed speed of 3000 rpm. Orbital diameter of 5.5 mm. Excellent mixing capability. Maximum test tube size: Ø30 mm. Patented design of foot pad can hold the vortex mixer firmly in place when mixing. Total dimensions (Ø x h): 100 x 78 mm. Low operation voltage (12V) for full protection. 100-240 V / 50-60 Hz, insulation rating IP42 (DIN EN60529). Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| VORX-003-001 | mini Vortex stirrer LBX V03 series | 1 | |

## VORTEX STIRRER, WITH SPEED CONTROL, V05

Electronic adjustment of speed between 0 and 2500 rpm. Two function mode: continuous operation or short-time operation by pressure over the head. Different applications thanks to the adapters (optional). Standard top for Ø < 30 mm tubes and small vessels, VORX-A03-001, delivered with the stirrer. Optional: adapters and non-slip platform for tubes (they require the VORX-A04-001 support, not included). External dimensions (h x Ø x w): 130 x 160 x 127 mm. High stability due to the specially designed vacuum suction feet, preventing the unit to move. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years







| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| VORX-005-001 | vortex stirrer LBX V05 series | 1 | |
| Accessories and spare parts | | | |
| VORX-A03-001 | standard holder for tubes under Ø 30 mm | 1 | |
| VORX-A04-001 | universal top plate for tubes adaptators or non-slip platform Ø 100 mm | 1 | |
| VORX-A06-001 | tension rod (to be used with tube adapters) | 1 | |
| VORX-A07-001 | rubber vacuum suction foot with screw | 1 | |
| Adapters | | | |
| VORX-A41-001 | adapters for 48 test tubes, Ø 6 mm | 1 | |
| VORX-A51-001 | adapters for 15 test tubes, Ø 10 mm | 1 | |
| VORX-A61-001 | adapters for 12 test tubes, Ø 12 mm | 1 | |
| VORX-A71-001 | adapters for 8 test tubes, Ø 16 mm | 1 | |
| VORX-A81-001 | adapters for 8 test tubes, Ø 20 mm | 1 | |
| VORX-A05-001 | non-slip platform pad for tubes (Ø < 99 mm) | 1 | |

## ROTATOR STIRRER, RR80

Provides smooth but effective motion to reach a homogeneous mixture. Compact space-saving design fits easily in the incubator. Control speed regulation between 0 and 80 rpm. Fix mixing angle: 90°. Continuous operation type. Includes plastic clips for fixing 1,5 ml, 15 ml and 50 ml tubes (12 clips of each size). External dimensions (L x W x H): 150 x 530 x 190 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MIXS-005-001 | rotator stirrer LBX RR80 series | 1 | |
| Spare parts | | | |
| MIXS-A15-012 | plastic clips for fixing 1.5 ml centrifuge tubes | 12 | |
| MIXS-A25-012 | plastic clips for fixing 15 ml centrifuge tubes | 12 | |
| MIXS-A35-012 | plastic clips for fixing 50 ml centrifuge tubes | 12 | |



## TUBE ROLLER, TR06, VARIABLE SPEED, 6 ROLLERS

It provides smooth motion but effective to obtain a homogeneous mixture. Speed regulation between 0 and 70 rpm. Six rollers easy to clean. Roller size (L): 280 mm. Continuous operation. DC brushless motor, maintenance free. Can be used in cold rooms or in incubators. External dimensions (L x W x H): 490 (incl. plug 550) x 250 x 100 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MIXS-002-001 | tube Roller LBX TR06 series, 6 rollers | 1 | |



## ROTATOR STIRRER WITH CAROUSEL TYPE DESIGN, RD80

It provides smooth motion but effective to obtain a homogeneous mixture. The rotator comes with a carousel type design. Compact space-saving design fits easily in the incubator. Control speed regulation between 0 and 80 rpm. Fix mixing angle: 90°. Continuous operation type. Includes plastic clips for fixing 1,5 ml, 15 ml and 50 ml tubes (12 clips of each size). External dimensions (L x W x H): 300 x 220 x 310 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MIXS-006-001 | rotator stirrer with carousel type design LBX RD80 series | 1 | |
| Spare parts | | | |
| MIXS-A16-012 | plastic clips for fixing 1.5 ml centrifuge tubes | 12 | |
| MIXS-A26-012 | plastic clips for fixing 15 ml centrifuge tubes | 12 | |
| MIXS-A36-012 | plastic clips for fixing 50 ml centrifuge tubes | 12 | |



## MICROPLATE MIXER, MM1500

Universal microplate mixer suitable for tubes and 96-well microplates. Adapter for 1 microplate supplied with the stirrer (see other accessories). Speed regulation between 0 and 1500 rpm. Continuous operation. DC brushless motor maintenance free. External dimensions (L x W x H): 260 x 150 x 80 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MIXS-001-001 | microplate mixer LBX MM1500 series | 1 | |
| Accessories | | | |
| MIXS-A11-001 | adapter for 1 microplate, speed range: 0 - 1500 rpm | 1 | |
| MIXS-A21-001 | adapter for 2 microplates, speed range: 0 - 1000 rpm | 1 | |
| MIXS-A31-001 | universal top plate (round) for tube adapters | 1 | |
| Adapters | | | |
| MIXS-A41-001 | adapters for 48 test tubes, Ø 6 mm | 1 | |
| MIXS-A51-001 | adapters for 15 test tubes, Ø 10 mm | 1 | |
| MIXS-A61-001 | adapters for 12 test tubes, Ø 12 mm | 1 | |
| MIXS-A71-001 | adapters for 8 test tubes, Ø 16 mm | 1 | |
| MIXS-A81-001 | adapters for 8 test tubes, Ø 20 mm | 1 | |

## ORBITAL SHAKER WITH DIGITAL SCREEN AND TIMING FUNCTION, ORB-B2

Two LED screens that show time and speed. Timer function (1min-19h59min). Speed adjustable between 40 and 200 rpm. Orbital diameter of 20 mm. 268 x 268 mm workplate. Load capacity of 2 kg. DC Brushless motor, maintenance free. Dimensions (W x D x H): 294 x 348 x 123 mm. 200-240 V / 50-60 Hz. Protection grade IP21. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SHKB-201-001 | basic orbital shaker, LBX Orb-B2 | 1 | |

## ROCKING SHAKER WITH DIGITAL SCREEN AND TIMING FUNCTION, ROC-B1

Two LED screens that show time and speed. Timer function (1 min - 19 h 59 min). Speed adjustable between 10 and 80 rpm. Rocking motion angle of 7°. 268 x 268 mm workplate. Load capacity of 2 kg. DC Brushless motor, maintenance free. Dimensions (W x D x H): 294 x 348 x 123 mm. 200-240 V / 50-60 Hz. Protection grade IP21. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SHKB-R80-001 | basic rocking shaker, LBX Roc-B1 | 1 | |

## ORBITAL SHAKER WITH DIGITAL SCREEN AND TIMING FUNCTION, LBX ORB-PRO

Two LCD screens that show time and speed. Timer function (1min-19h59min). Speed adjustable between 100 and 500 rpm. Orbital diameter of 10 mm. Load capacity of 7.5 kg. DC Brushless motor, maintenance free. The device includes a SHKP-A02-001 universal accessory with 4 bars and can be combined with a non-slip platform. It allows to install a second non-slip platform vertically with the accessory SHKU-A01-001. Dimensions (W x D x H): 370 x 420 x 100 mm. 200-240 V / 50-60 Hz. Protection grade IP21. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SHKP-500-001 | orbital shaker, LBX Orb-Pro | 1 | |

## LINEAR SHAKER WITH DIGITAL SCREEN AND TIMING FUNCTION, LIN-PRO

Two LCD screens that show time and speed. Timer function (1min-19h59min). Speed adjustable between 100 and 350 rpm. Lineal amplitude of 10 mm. Load capacity of 7,5 kg. DC Brushless motor, maintenance free. The device includes a SHKP-A02-001 universal accessory with 4 bars and can be combined with a non-slip platform (check accessories). It allows to install a second non-slip platform vertically with the accessory SHKU-A01-001. Dimensions (W x D x H): 370 x 420 x 100 mm. 200-240 V / 50-60 Hz. Protection grade IP21. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SHKP-35L-001 | linear shaker, LBX Lin-Pro | 1 | |



## 3D SHAKER WITH DIGITAL SCREEN AND TIMING FUNCTION, 3D-PRO

Two LCD screens that show time and speed. Timer function (1min-19h59min). Speed adjustable between 10 and 70 rpm. Tilt angle of 9°. Load capacity of 5 kg. The device includes a SHKP-A01-001 non-slip platform and can be combined with a universal accessory of 4 bars (check accessories). It allows to install a second non-slip platform vertically with the accessory SHKU-A01-001. Dimensions (W x D x H): 360 x 430 x 106 mm. 200-240 V / 50-60 Hz. Protection grade IP21. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SHKP-R70-001 | 3D shaker, LBX 3D-Pro | 1 | |



## ACCESSORIES AND SPARE PARTS FOR PRO SHAKERS

Non-slip platform and universal accessory with 4 bars for the Pro shakers. Compatible with the SHKP-500-001, SHKP-35L-001 and SHKP-R70-001 shakers

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SHKP-A01-001 | non-slip platform 30 x 28.5 cm | 1 | |
| SHKP-A02-001 | universal accessory with 4 bars | 1 | |
| SHKP-A03-001 | replacement bar for SHKP-A02-001 | 1 | |



## PLATFORM AND CLIPS FOR SHAKERS

To be combined with SHKP-500-001/SHKP-35L-001/SHKP-R70-001 shakers. They require the fixation platform SHKP-A00-001. The SHKU-A01-001 connectors are used for connecting two non-slip platforms, one on top of the other

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SHKP-A00-001 | clip fixation platform for SHKP | 1 | |
| SHKU-025-001 | clip for 25 ml Erlenmeyer (28 max. at SHKP) | 1 | |
| SHKU-050-001 | clip for 50 ml Erlenmeyer (16 max. at SHKP) | 1 | |
| SHKU-100-001 | clip for 100 ml Erlenmeyer (16 max. at SHKP) | 1 | |
| SHKU-250-001 | clip for 200/250 ml Erlenmeyer (9 max. at SHKP) | 1 | |
| SHKU-500-001 | clip for 500 ml Erlenmeyer (4 max. at SHKP) | 1 | |
| SHKU-A01-001 | connectors for double non-slip platform | 1 | |



## MAGNETIC STIRRING BAR, CROSSHEAD

Fully encapsulated with high-grade PTFE. Designed for use with tube-like containers

| reference | ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MAGZ-010-001 | 10 | 8 | 1 | |
| 30 units “Saving package” | | | | |
| MAGZ-010-030 | 10 | 8 | 30 | |

## MAGNETIC STIRRING BAR, OCTAHEDRAL

Fully encapsulated with high-grade PTFE. For containers with bases that are slightly curved or uneven

| reference | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MAGO-013-005 | 8 | 13 | 5 | |
| MAGO-015-005 | 8 | 15 | 5 | |
| MAGO-022-005 | 8 | 22 | 5 | |
| MAGO-025-005 | 8 | 25 | 5 | |
| MAGO-028-005 | 8 | 28 | 5 | |
| MAGO-038-005 | 8 | 38 | 5 | |
| MAGO-051-005 | 10 | 51 | 5 | |
| MAGO-075-005 | 13 | 75 | 5 | |
| 30 units “Saving package” | | | | |
| MAGO-013-030 | 8 | 13 | 30 | |
| MAGO-015-030 | 8 | 15 | 30 | |
| MAGO-022-030 | 8 | 22 | 30 | |
| MAGO-025-030 | 8 | 25 | 30 | |
| MAGO-028-030 | 8 | 28 | 30 | |
| MAGO-038-030 | 8 | 38 | 30 | |
| MAGO-051-030 | 10 | 51 | 30 | |
| MAGO-075-030 | 13 | 75 | 30 | |



## MAGNETIC STIRRING BAR, OCTAHEDRAL, COLOURED

For use where identification is important. Coloured PTFE coating which is not as inert and pure as PTFE

| reference | Ø (mm) | l (mm) | color | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| MAGK-R13-005 | 8 | 13 | red | 5 | |
| MAGK-B13-005 | 8 | 13 | blue | 5 | |
| MAGK-Y13-005 | 8 | 13 | yellow | 5 | |
| MAGK-R22-005 | 8 | 22 | red | 5 | |
| MAGK-B22-005 | 8 | 22 | blue | 5 | |
| MAGK-Y22-005 | 8 | 22 | yellow | 5 | |
| MAGK-R38-005 | 8 | 38 | red | 5 | |
| MAGK-B38-005 | 8 | 38 | blue | 5 | |
| MAGK-Y38-005 | 8 | 38 | yellow | 5 | |
| MAGK-R51-005 | 8 | 51 | red | 5 | |
| MAGK-B51-005 | 8 | 51 | blue | 5 | |
| MAGK-Y51-005 | 8 | 51 | yellow | 5 | |
| MAGK-R75-005 | 13 | 75 | red | 5 | |
| MAGK-B75-005 | 13 | 75 | blue | 5 | |
| MAGK-Y75-005 | 13 | 75 | yellow | 5 | |









## MAGNETIC STIRRING BAR, CYLINDRICAL

121°

Fully encapsulated with high-grade PTFE. General purpose stirrer for a wide variety of applications

| reference | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MAGC-006-005 | 3 | 6 | 5 | |
| MAGC-008-005 | 3 | 8 | 5 | |
| MAGC-010-005 | 6 | 10 | 5 | |
| MAGC-012-005 | 4,5 | 12 | 5 | |
| MAGC-015-005 | 4,5 | 15 | 5 | |
| MAGC-615-005 | 6 | 15 | 5 | |
| MAGC-620-005 | 6 | 20 | 5 | |
| MAGC-020-005 | 7 | 20 | 5 | |
| MAGC-625-005 | 6 | 25 | 5 | |
| MAGC-025-005 | 8 | 25 | 5 | |
| MAGC-630-005 | 6 | 30 | 5 | |
| MAGC-730-005 | 7 | 30 | 5 | |
| MAGC-030-005 | 8 | 30 | 5 | |
| MAGC-635-005 | 6 | 35 | 5 | |
| MAGC-040-005 | 8 | 40 | 5 | |
| MAGC-045-005 | 8 | 45 | 5 | |
| MAGC-050-005 | 8 | 50 | 5 | |
| MAGC-060-005 | 10 | 60 | 5 | |
| MAGC-070-005 | 10 | 70 | 5 | |
| MAGC-080-005 | 10 | 80 | 5 | |
| 30 units “Saving package” | | | | |
| MAGC-006-030 | 3 | 6 | 30 | |
| MAGC-008-030 | 3 | 8 | 30 | |
| MAGC-010-030 | 6 | 10 | 30 | |
| MAGC-012-030 | 4,5 | 12 | 30 | |
| MAGC-015-030 | 4,5 | 15 | 30 | |
| MAGC-615-030 | 6 | 15 | 30 | |
| MAGC-020-030 | 7 | 20 | 30 | |
| MAGC-620-030 | 6 | 20 | 30 | |
| MAGC-025-030 | 8 | 25 | 30 | |
| MAGC-625-030 | 6 | 25 | 30 | |
| MAGC-630-030 | 6 | 30 | 30 | |
| MAGC-730-030 | 7 | 30 | 30 | |
| MAGC-030-030 | 8 | 30 | 30 | |
| MAGC-635-030 | 6 | 35 | 30 | |
| MAGC-040-030 | 8 | 40 | 30 | |
| MAGC-045-030 | 8 | 45 | 30 | |
| MAGC-050-030 | 8 | 50 | 30 | |
| MAGC-060-030 | 10 | 60 | 30 | |
| MAGC-070-030 | 10 | 70 | 30 | |
| MAGC-080-030 | 10 | 80 | 30 | |

## MAGNETIC STIRRING BAR, OVAL

Fully encapsulated with high-grade PTFE. For use in round bottomed flasks

| reference | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MAGV-020-005 | 10 | 20 | 5 | |
| MAGV-025-005 | 12 | 25 | 5 | |
| MAGV-030-005 | 16 | 30 | 5 | |
| MAGV-035-005 | 16 | 35 | 5 | |
| MAGV-040-005 | 20 | 40 | 5 | |
| MAGV-050-005 | 20 | 50 | 5 | |
| 30 units “Saving package” | | | | |
| MAGV-020-030 | 10 | 20 | 30 | |
| MAGV-025-030 | 12 | 25 | 30 | |
| MAGV-030-030 | 16 | 30 | 30 | |
| MAGV-035-030 | 16 | 35 | 30 | |
| MAGV-040-030 | 20 | 40 | 30 | |
| MAGV-050-030 | 20 | 50 | 30 | |



## MAGNETIC STIRRING BAR, PLAIN

Fully encapsulated with high-grade PTFE. Similar to cylindrical ones but more effective at low rpm

| reference | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MAGP-012-005 | 3 | 12 | 5 | |
| MAGP-025-005 | 8 | 25 | 5 | |
| MAGP-040-005 | 8 | 40 | 5 | |
| MAGP-050-005 | 8 | 50 | 5 | |
| 30 units “Saving package” | | | | |
| MAGP-012-030 | 3 | 12 | 30 | |
| MAGP-025-030 | 8 | 25 | 30 | |
| MAGP-040-030 | 8 | 40 | 30 | |
| MAGP-050-030 | 8 | 50 | 30 | |



## MAGNETIC STIRRING BAR, MICRO

Fully encapsulated with high-grade PTFE. Designed for use with the smallest containers

| reference | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MAGM-002-010 | 2 | 2 | 10 | |
| MAGM-003-010 | 3 | 3 | 10 | |
| MAGM-005-010 | 2 | 5 | 10 | |
| MAGM-007-010 | 2 | 7 | 10 | |
| MAGM-008-010 | 1,5 | 8 | 10 | |





## MAGNETIC STIRRING BAR, TRIANGULAR

Fully encapsulated with high-grade PTFE. Particularly effective for dissolving solids and mixing sediments because of their scraper-like action

| reference | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MAGT-012-005 | 6 | 12 | 5 | |
| MAGT-025-005 | 8 | 25 | 5 | |
| MAGT-035-005 | 9 | 35 | 5 | |
| MAGT-040-005 | 14 | 40 | 5 | |
| MAGT-050-005 | 12 | 50 | 5 | |
| 30 units “Saving package” | | | | |
| MAGT-012-030 | 6 | 12 | 30 | |
| MAGT-025-030 | 8 | 25 | 30 | |
| MAGT-035-030 | 9 | 35 | 30 | |
| MAGT-040-030 | 14 | 40 | 30 | |
| MAGT-050-030 | 12 | 50 | 30 | |



## MAGNETIC STIRRING BAR, GIANT

Pivot ring shape. Fully encapsulated with high-grade PTFE. Designed for use with the biggest containers

| reference | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MAGG-057-001 | 24 | 57 | 1 | |
| MAGG-108-001 | 24 | 108 | 1 | |
| MAGG-159-001 | 24 | 159 | 1 | |



## MAGNET RETRIEVER, PTFE

Moulded in pure FDA approved PTFE. Autoclavable

| reference | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| MAGR-150-001 | 10 | 150 | 1 | |
| MAGR-250-001 | 10 | 250 | 1 | |
| MAGR-350-001 | 10 | 350 | 1 | |



## STIRPACK 1: 12 CYLINDRICAL MAGNETIC STIRRING BAR SET

Plastic box with 12 cylindrical stirring bars (ØxL): 3x8, 6x10, 4,5x12, 4,5x15, 7x20, 8x25 (2 pcs), 8x30 (2 pcs), 8x40, 8x45 y 10x60

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MAGS-PK1-012 | StirPack 1: 12 cylindrical stirring bars | 12 | |



## STIRPACK 2: 12 OCTAHEDRAL MAGNETIC STIRRING BAR SET

Plastic box with 12 octahedral stirring bars (ØxL): 8x13 (2 pcs), 8x25 (3 pcs), 8x38 (3 pcs), 10x51 (2 pcs) y 13x75 (2 pcs)

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MAGS-PK2-012 | StirPack 2: 12 octahedral stirring bars | 12 | |

## STIRPACK 3: 17 ASSORTED MAGNETIC STIRRING BAR SET

Plastic box with 17 stirring bars: 11 cylindrical ones(ØxL): 3x8, 6x10, 4,5x12, 7x20, 8x25 (2 pcs), 8x30 (2 pcs), 8x40, 8x50 y 10x70. 4 octahedrical ones (ØxL): 8x25, 8x38, 10x51y 13x75. 2 oval ones (ØxL): 10x20 y 16x30



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MAGS-PK3-017 | StirPack 3: 17 assorted stirring bars | 17 | |

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## BUNSEN BURNER WITH TAP



Bunsen with tap and flame stabilizer. Nickel-plated brass tube 11 mm diameter x 130 mm height (BUNS-P01-001 and BUNS-PC1-001: 11 mm diameter x 150 mm height). Available with standard connection where the connection to the gas pipe must be blocked with a hose clamp (not included) or with a 1/4" male thread connection. Working pressure range: 30–200 mbar (recommended: 50–150 mbar)

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BUNS-B01-001 | for LPG, standard connection | 1 | |
| BUNS-BC1-001 | for LPG, 1/4" male thread connection | 1 | |
| BUNS-N01-001 | for natural gas, standard connection | 1 | |
| BUNS-NC1-001 | for natural gas, 1/4" male thread connection | 1 | |
| BUNS-P01-001 | polygas, standard connection | 1 | |
| BUNS-PC1-001 | polygas, 1/4" male thread connection | 1 | |

## SEKUR-FLAM BURNER



Bunsen with tap and flame stabilizer. Designed with a security valve to stop the gas if there is any accidental flame turn off. Security valves are approved and delivered with CE conformity certificate according to EU directive UE 2016/426. Nickel-plated brass tube 11 mm diameter x 130 mm height (BUNS-P02-001 and BUNS-PC2-001: 11 mm diameter x 150 mm height). Available with standard connection where the connection to the gas pipe must be blocked with a hose clamp (not included) or with a 1/4" male thread connection. Working pressure range: 30–200 mbar (recommended: 50–150 mbar)

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BUNS-B02-001 | for LPG, standard connection | 1 | |
| BUNS-BC2-001 | for LPG, 1/4" male thread connection | 1 | |
| BUNS-N02-001 | for natural gas, standard connection | 1 | |
| BUNS-NC2-001 | for natural gas, 1/4" male thread connection | 1 | |
| BUNS-P02-001 | polygas, standard connection | 1 | |
| BUNS-PC2-001 | polygas, 1/4" male thread connection | 1 | |

## SEKUR-FLAM BURNER WITH PIEZOELECTRIC LIGHTING



Bunsen with tap, flame stabilizer and piezoelectric lighting. Designed with a security valve to stop the gas if there is any accidental flame turn off. Security valves are approved and delivered with CE conformity certificate according to EU directive UE 2016/426. Nickel-plated brass tube 11 mm diameter x 130 mm height. Available with standard connection where the connection to the gas pipe must be blocked with a hose clamp (not included) or with a 1/4" male thread connection. Working pressure range: 30–200 mbar (recommended: 50–150 mbar)

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BUNS-B03-001 | for LPG, standard connection | 1 | |
| BUNS-BC3-001 | for LPG, 1/4" male thread connection | 1 | |
| BUNS-N03-001 | for natural gas, standard connection | 1 | |
| BUNS-NC3-001 | for natural gas, 1/4" male thread connection | 1 | |

## MEKER BURNER WITH GRID AND TAP

Meker burners with grid, screw tap and air regulator. Nickel-plated brass tube 15 mm diameter x 140 mm height. Available with standard connection where the connection to the gas pipe must be blocked with a hose clamp (not included) or with a 1/4" male thread connection. Working pressure range: 30–200 mbar (recommended: 50–150 mbar)

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BUNS-BM1-001 | for LPG, standard connection | 1 | |
| BUNS-BMC-001 | for LPG, 1/4" male thread connection | 1 | |
| BUNS-NM1-001 | for natural gas, standard connection | 1 | |
| BUNS-NMC-001 | for natural gas, 1/4" male thread connection | 1 | |



## ALCOHOL BURNER

Made of glass, includes one wick, with a non-threadable plastic cap

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| ALBN-060-001 | 60 ml | 1 | |
| ALBN-150-001 | 150 ml | 1 | |
| ALBN-250-001 | 250 ml | 1 | |
| "Saving package" | | | |
| ALBN-060-006 | 60 ml | 6 | |
| ALBN-150-006 | 150 ml | 6 | |
| ALBN-250-006 | 250 ml | 6 | |
| Spare parts | | | |
| ALBN-WI1-010 | wicks for 60 ml alcohol burner (Ø 5,5 mm, L 150 mm) | 10 | |
| ALBN-WI2-010 | wicks for 150 ml and 250 ml alcohol burners (Ø 4,3 mm, L 250 mm) | 10 | |



## PIEZOELECTRIC LIGHTER

To light Bunsen burner. Rechargeable

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| LIGH-002-001 | gas | 1 | |



## BASIC HEATING PLATE, HP-B1

Basic heating plate for occasional heating, not suitable for continuous use at maximum power. Regulable power (5 positions). 220 V / 50-60 Hz. Warranty 2 years

| reference | power | pan size | pcs/ pack | price/ pack |
|---|---|---|---|---|
| HEAB-1K4-001 | 1500 W | ø 185 mm | 1 | |





labkem

## LABKEM SILICONE OIL FOR HEATING BATHS, LBsil 100

Stable at heating and withstanding high temperatures (-50 +200°C). High chemical stability, low evaporation and low variation of viscosity with temperature

| reference | type | package | price/ pack |
|---|---|---|---|
| SOIL-100-1K0 | LBSil 100 | 1 L | |
| SOIL-100-5K0 | LBSil 100 | 5 L | |



## THERMOSTATIC BATH, WB01

Metal housing with an exterior metallic structure covered with epoxy (anti-rust treatment) and 304 stainless steel interior chamber. Digital temperature regulation from room temperature +5 °C up to 100°C (Resolution: 1 °C). Continuous mode or programed periods with acoustic signal at the end of the selected time. Timer from 1 min. up to 9999 min. Double digital display temperature and time. Acoustic signal indicates overheating of the bath. “Perforated shelf” accessory, removable lid with holes (11 cm) and reduction rings (8 and 5 cm) included. Drainage hose (except model TWBA-001-001). Only use purified water. 220 V / 50-60 Hz. Warranty 2 years

| reference | capacity | power (W) | holes | bath dim. (l x w x h) (mm) | useful dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| TWBA-001-001 | 3,4 L | 400 | 1 | 150 x 135 x 150 mm | 150 x 135 x 100 mm | 1 | |
| TWBA-002-001 | 6,1 L | 500 | 2 | 300 x 135 x 150 mm | 300 x 135 x 100 mm | 1 | |
| TWBA-004-001 | 14,6 L | 1000 | 4 | 325 x 300 x 150 mm | 325 x 300 x 100 mm | 1 | |
| TWBA-006-001 | 22,5 L | 1500 | 6 | 500 x 300 x 150 mm | 500 x 300 x 100 mm | 1 | |



## THERMOSTATIC BATH, WB-PRO

Durable stainless steel chamber and transparent lid. Digital temperature regulation from room temperature + 5 °C up to 99 °C (Resolution: 0,1 °C). Precise temperature control (accuracy ± 0,5 °C). Continuous mode or programmed periods with acoustic signal at the end of the selected time (stores three temperature presets). Timer from 1 min. up to 999 min. LED display of temperature and time, user-friendly touch keys. Dry-start protection feature for improved safety. Over-temperature cut-off and alarm. 200-240 V, 50/60 Hz. Warranty 2 years

| reference | capacity | power (W) | holes | int. dim. (L x W x H) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TWBE-001-001 | 2 L | 200 | 1 | 115 x 130 x 150 mm | 1 | |
| TWBE-002-001 | 5 L | 450 | 2 | 280 x 130 x 150 mm | 1 | |



## TRANSPARENT THERMOSTATIC BATH, WB-T

Shell, interior and cover made of high-quality transparent plastics that allow to clearly see the object to be heated. Rack included. Digital temperature regulation from RT+5°C up to 100°C (Resolution 1°C). Can work in continuous mode or programmed by a digital timer (1-9999 min). Double digital display for temperature and time. Overtemperature alarm. Rack for tubes of up to 18 mm diameter. 220 V ± 10%; 50/60 Hz ± 1. Warranty 2 years

| reference | capacity | power (W) | int. dim. (L x W x H) | ext. dim. (L x W x H) | positions | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| TWBT-003-001 | 2,6 L | 400 | 143 x 130 x 150 mm | 254 x 190 x 193 mm | 16 | 1 | |
| TWBT-006-001 | 6 L | 500 | 290 x 145 x 150 mm | 401 x 190 x 193 mm | 32 | 1 | |
| TWBT-009-001 | 8,2 L | 800 | 280 x 220 x 150 mm | 400 x 260 x 190 mm | 48 | 1 | |

## THERMOSTATIC BATH WITH SHAKING, WB-S

Metal housing with an exterior metallic structure covered with epoxy (anti-rust treatment). Tank and upper cover of 304 stainless steel. Polyurethane insulation layer. Includes a removable lid with holes and reduction rings, a metal test tube rack and platform with elastic springs that can hold different container sizes. Digital temperature regulation from room temperature 5 °C up to 100°C (Resolution: 0,1 °C). Reciprocal oscillation amplitude: 16 mm. Reciprocating frequency range: 20-180 rpm (± 1 rpm). Silent mechanism. Continuous mode or programed periods with acoustic signal at the end of the selected time. Timer from 1 min. up to 9999 min. Digital screen that shows temperature, speed and time. Overtemperature alarm. Drainage hose. Only use purified water. 220 V / 50-60 Hz. Warranty 2 years



| reference | capacity | power (W) | int. dim. (L x W x H) | ext. dim. (L x W x H) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| TWBS-031-001 | 31 L | 1500 | 500 x 310 x 200 mm | 828 x 360 x 425 mm | 1 | |

## THERMOSTATIC BATH WITH MAGNETIC STIRRING, DIGITAL, WHIRL M

ELITEX

Superior quality laboratory product. Inner liner of borosilicate glass with window for sample observation. Base constructed from stainless steel. Protective outer shell highly resistant to high temperatures. Stirring speed adjustable between 100 and 1500 rpm. Can reverse direction of rotation. Temperature adjustable up to 220 °C. Timer (1 min – 99 h 59 min). LCD screen displays speed, temperature and time. The instrument sounds an alarm if any malfunction occurs or when the programmed time elapses. Light indicating operation (green light) or possible alarms (red light). Two independent safety circuits: the equipment shuts down in case of overheating (> 350 °C), sensor failure, or short circuit. HOT warning indicates residual hotplate temperature, even if switched off. DC brushless motor, maintenance free. For magnetic bars bars up to 40 mm. 200-240 V / 50-60 Hz, insulation rating IP21. Warranty 2 years



| reference | capacity | power (W) | internal dimensions (ø x h) | ext. dim. (L x W x H) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| STHB-003-001 | 3 L | 900 | 220 x 105 mm | 283 x 343 x 215 mm | 1 | |
| STHB-005-001 | 5 L | 1350 | 240 x 135 mm | 283 x 343 x 228 mm | 1 | |

## HEATED ULTRASONIC BATH WITH TIMER, ULTR

Stainless steel body and bath resistant to water. Lid and basket included. Digital screen that shows temperature and timing. Temperature control (adjustable from RT to 80°C). Timer: 0-30 min. Max. continuous time: 30 min. Frequency: 40 kHz. The 6,5 L – 30 L models have a drainage valve. The indicated volume refers to the maximum filling capacity of the empty bath; objects placed inside reduce the actual available volume. 220-240 V / 50-60 Hz. Warranty 2 years



| reference | capacity | ultrasound power | heating power | bath dim. (l x w x h) (mm) | basket dim. (l x w x h) (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| ULTR-2L0-001 | 2 L | 80 W | 100 W | 150 x 135 x 100 | 130 x 110 x 70 | 1 | |
| ULTR-3L2-001 | 3,2 L | 120 W | 100 W | 240 x 135 x 100 | 210 x 110 x 50 | 1 | |
| ULTR-6L5-001 | 6,5 L | 180 W | 200 W | 300 x 150 x 150 | 270 x 115 x 110 | 1 | |
| ULTR-10L-001 | 10 L | 240 W | 200 W | 300 x 240 x 150 | 260 x 200 x 90 | 1 | |
| ULTR-15L-001 | 15 L | 360 W | 300 W | 330 x 300 x 150 | 290 x 260 x 90 | 1 | |
| ULTR-30L-001 | 30 L | 600 W | 500 W | 500 x 300 x 200 | 450 x 260 x 120 | 1 | |




## MINI ULTRASONIC BATH WITH TIMER, WITHOUT HEATING, ULTR SMALL

Designed for cleaning small laboratory objects. Lid and basket included. 0,8 L stainless steel bath resistant to water and digital screen for the timing view. Timer: 0-30 min. Max. continuous time: 30 min. Frequency: 40 kHz. The indicated volume refers to the maximum filling capacity of the empty bath; objects placed inside reduce the actual available volume. 220-240 V / 50-60 Hz. Warranty 2 years

| reference | capacity | ultrasound power | bath dim. (l x w x h) (mm) | basket dim. (l x w x h) (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| ULTR-0L8-001 | 0,8 L | 50 W | 150 x 85 x 65 mm | 135 x 70 x 40 mm | 1 | |



## DIGITAL DRY BATH, HDB120

Dry heating system by metal blocks of 150 x 95 mm. Temperature adjustable up to 120°C (accuracy ±0.5°C, resolution 0.1°C). Two function mode: continuous or timed operation (1'- 99h59'). Heating power: 160 W. LED display for temperature and time. Heating block for 40 tubes of 1,5/2 ml delivered with the dry bath (DHDB-B03-001). Over temperature protection. External dimensions (L x W x H): 290 x 175 x 85 mm. 200-240 V / 50-60 Hz, insulation rating IP21 (DIN EN60529). Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| DHDB-120-001 | digital dry bath, LBX HDB120 series | 1 | |
| Heating block | | | |
| DHDB-B01-001 | for 54 tubes of 0,2 ml (Øhole: 6,4 mm, depth: 15 mm) | 1 | |
| DHDB-B02-001 | for 40 tubes of 0,5 ml (Øhole: 8,2 mm, depth: 26,4 mm) | 1 | |
| DHDB-B03-001 | for 40 tubes of 1,5/2 ml (Øhole: 11 mm, depth: 34,7 mm) | 1 | |
| DHDB-B04-001 | for 28 tubes of 5/15 ml (Øhole: 17 mm, depth: 48 mm) | 1 | |
| DHDB-B05-001 | for 8 tubes of 50 ml (Øhole: 29,8 mm, depth: 29,8 mm) | 1 | |
| DHDB-B06-001 | for 96 or 384 microplate | 1 | |

### HEATING MANTLES

Heating mantles are essential laboratory devices used to **apply controlled heat** to glassware such as round-bottomed flasks during **chemical reactions, distillations, and other processes**.

When selecting a heating mantle, an important factor to consider is the **size compatibility with the vessel**. Only vessels with an adequate size guarantee a safe and homogenous heating process, as the heat transfer is based on direct contact between the surface of the heating mantle and the vessel.

A reliable heating mantle offers **efficient heating, durability, ease of maintenance and user-friendly operation**, thereby being a useful instrument for a wide range of laboratory processes and experiments.

## DIGITAL THERMOSTATIC BLOCK WITH SHAKING, HCM100-PRO

Excellent mixing and temperature control to ensure reproducible results. Wide range of applications, such us gene synthesis and purifications, protein and gene denaturation, enzymatic reaction, bacterial growth, etc. Compatible with a wide range of tubes (includes DTBW-A02-001, rest of blocks are not included). Mixing frequency: 200-1500 rpm. Max. heating temperature: 100°C, Max. cooling temperature: RT-15°C. Heating: 5,5°C/min, cooling: 5°C/min and 0,5°C/min under room temperature. Temperature control accuracy: ±0,5°C. Temperature uniformity: Max. ±0,5°C. Mixing orbit: 3mm. Programmable in multiple steps (up to 9 programs can be saved). Overtemperature protection: 150°C. Dimensions: 200x235x120 mm. Weight: 7,3 kg. 200-240 V, 50-60 Hz, 200 W. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| DTBW-100-001 | digital thermostatic block with shaking, DLAB HCM100-Pro | 1 | |
| Accessories and spare parts | | | |
| DTBW-A01-001 | adapter block, 24 x 0,5mL, 1500rpm, Ø x depth: 8,1 x 26 mm | 1 | |
| DTBW-A02-001 | adapter block, 24 x 1,5mL, 1500rpm, Ø x depth: 10,9 x 30,8 mm | 1 | |
| DTBW-A03-001 | adapter block, 24 x 2mL, 1500rpm, Ø x depth: 10,9 x 30,8 mm | 1 | |
| DTBW-A04-001 | adapter block, 8 x 5mL, 1500rpm, Ø x depth: 13,6 x 42 mm | 1 | |
| DTBW-A05-001 | adapter block, 8 x 15mL, 800rpm, Ø x depth: 6,5 x 80 mm | 1 | |
| DTBW-A06-001 | adapter block, 4 x 50mL, 600rpm, Ø x depth: 29,6 x 80 mm | 1 | |
| DTBW-A07-001 | well plate adapter | 1 | |
| DTBW-A08-001 | adapter block for PCR, 96 x 0,2mL, 1500rpm | 1 | |

## HEATING MANTLE, HM01

Heating mantle with electronic temperature regulation for distillation, digestion, evaporation, extraction and boiling. Maximum mantle temperature of 450°C at the surface (the maximum temperature reached by the liquid is lower due to heat loss). Continuous operation. Fast, uniform and safety temperature regulation. Featured by anti-corrosion, age-resistant, durable and safe. Easy to operate. Includes aluminum rod and retort clamp for thermometer holding. 220 V / 50-60 Hz. Warranty 2 years



| reference | capacity | power (W) | Ø x h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| HEAM-051-001 | 50 ml | 80 | 200 x 160 | 1 | |
| HEAM-101-001 | 100 ml | 100 | 200 x 160 | 1 | |
| HEAM-251-001 | 250 ml | 150 | 200 x 160 | 1 | |
| HEAM-501-001 | 500 ml | 250 | 200 x 160 | 1 | |
| HEAM-1K1-001 | 1000 ml | 350 | 260 x 200 | 1 | |
| HEAM-2K1-001 | 2000 ml | 450 | 300 x 230 | 1 | |



## HEATING MANTLE WITH DIGITAL SCREEN, HM01-D

Heating mantle with electronic temperature regulation. External temperature sensor Pt100 allows real-time temperature control through the digital screen. Maximum mantle temperature of 450°C at the surface (the maximum temperature reached by the liquid is lower due to heat loss). Continuous operation. Fast, uniform and safe temperature regulation. Includes aluminum rod, retort clamp and a Pt100 temperature sensor. 220 V / 50-60 Hz. Warranty 2 years

| reference | capacity | power (W) | Ø x h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| HMAD-100-001 | 100 ml | 100 | 200 x 160 | 1 | |
| HMAD-250-001 | 250 ml | 150 | 200 x 160 | 1 | |
| HMAD-500-001 | 500 ml | 250 | 200 x 160 | 1 | |
| HMAD-1K0-001 | 1000 ml | 350 | 260 x 200 | 1 | |
| HMAD-2K0-001 | 2000 ml | 450 | 300 x 230 | 1 | |



## HEATING MANTLE WITH STIRRING, HM02

Heating mantle with electronic temperature regulation and magnetic stirring. Speed range: 0- 1400 rpm. Maximum mantle temperature of 450°C at the surface (the maximum temperature reached by the liquid is lower due to heat loss). Heating and stirring can be used simultaneously. Continuous operation. Fast, uniform and safety temperature regulation. Includes stirring magnet, aluminum rod and retort clamp for thermometer holding. 220 V / 50-60 Hz. Warranty 2 years

| reference | capacity | power (W) | Ø x h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| MSHM-100-001 | 100 ml | 100 | 200 x 160 | 1 | |
| MSHM-250-001 | 250 ml | 150 | 200 x 160 | 1 | |
| MSHM-500-001 | 500 ml | 250 | 200 x 160 | 1 | |
| MSHM-1K0-001 | 1000 ml | 350 | 260 x 200 | 1 | |
| MSHM-2K0-001 | 2000 ml | 450 | 300 x 230 | 1 | |



## HEATING MANTLE WITH STIRRING AND DIGITAL SCREEN, HM02-D

Heating mantle with electronic temperature regulation and magnetic stirring. External temperature sensor Pt100 allows real-time temperature control through the digital screen. Speed range: 0 - 1600 rpm. Maximum mantle temperature of 450°C at the surface (the maximum temperature reached by the liquid is lower due to heat loss). Heating and stirring can be used simultaneously. Continuous operation. Fast, uniform and safety temperature regulation. Includes stirring magnet, aluminum rod, retort clamp and a Pt100 temperature sensor. 220 V / 50-60 Hz. Warranty 2 years

| reference | capacity | power (W) | Ø x h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| HMSD-100-001 | 100 ml | 100 | 200 x 160 | 1 | |
| HMSD-250-001 | 250 ml | 150 | 200 x 160 | 1 | |
| HMSD-500-001 | 500 ml | 250 | 200 x 160 | 1 | |
| HMSD-1K0-001 | 1000 ml | 350 | 260 x 200 | 1 | |
| HMSD-2K0-001 | 2000 ml | 450 | 300 x 230 | 1 | |

## ACCESSORIES FOR HEATING MANTLE WITH DIGITAL SCREEN

for HM01-D and HM02-D heating mantles

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| HMAD-A01-001 | Pt100 temperature sensor | 1 | |
| HMAD-A02-001 | PTFE protective sheath for the Pt100 temperature probe. | 1 | |



## HEATING MANTLE, MULTI-ROW, HMM1

Electronic temperature regulation for each position. Maximum mantle temperature of 450°C at the surface (the maximum temperature reached by the liquid is lower due to heat loss). Continuous operation. Fast, uniform and safety temperature regulation. Featured by anti-corrosion, age-resistant, durable and safe. Easy to operate. Includes aluminum rod and retort clamp for montages. 220 V / 50-60 Hz. Warranty 2 years

| reference | capacity | positions | power (W) | ext. dim. (L x W x H) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MRHM-254-001 | 250 ml | 4 | 150 | 610 x 160 x 170 mm | 1 | |
| MRHM-256-001 | 250 ml | 6 | 150 | 940 x 160 x 170 mm | 1 | |
| MRHM-504-001 | 500 ml | 4 | 250 | 690 x 180 x 180 mm | 1 | |
| MRHM-506-001 | 500 ml | 6 | 250 | 1060 x 180 x 180 mm | 1 | |



## SHAKING INCUBATOR, INC-S

ABS exterior, polyurethane insulation layer, stainless steel inner chamber. Air circulation system that homogenizes the temperature in the working room. Resolution: 0,1 °C. Temperature fluctuation: ± 0,1 °C. The reference CTSI-070-001 features a cooling function that allows reaching temperatures below ambient temperature (temperature range: 4- 65 °C; maximum ambient temperature: 25 °C). Orbital shaking speed: 30- 300 rpm (precision ± 1 rpm). Orbital diameter: 20 mm. Large LCD screen that shows temperature, shaking speed and timer (0-9999 min). DC Brushless motor, maintenance free, with progressive start and security system. 220 V / 50-60 Hz (50 L) / 50 Hz (70 L). Warranty 2 years

| reference | capacity | ext. dim. (L x W x H) | int. dim. (L x W x H) | platform dimensions | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CTSI-050-001 | 50 L | 500 x 640 x 480 mm | 455 x 380 x 290 mm | 380 x 320 mm | 1 | |
| CTSI-070-001 | 70 L | 600 x 770 x 500 mm | 560 x 390 x 320 mm | 480 x 315 mm | 1 | |



## PLATFORMS AND CLIPS FOR SHAKING INCUBATORS INC-S

The incubators INC-S (CTSI-050-001 and CTSI-070-001) includes a tray with removable metal springs. This tray can be removed to use the optional trays CTSI-A00-001 (for CTSI-050-001) and CTSI-A01-001 (for CTSI-070-001) along with the corresponding fixing clips

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CTSI-A00-001 | tray A (380 x 320 x 100 mm) for CTSI-050-001 | 1 | |
| CTSI-A01-001 | tray B (480 x 315 x 100 mm) for CTSI-070-001 | 1 | |
| CTSI-A08-001 | fixing clip for 25 ml flask (max. 30 in A / 38 in B) | 1 | |
| CTSI-A09-001 | fixing clip for 50 ml flask (max. 20 in A / 31 in B) | 1 | |
| CTSI-A02-001 | fixing clip for 100 ml flask (max. 16 in A / 22 in B) | 1 | |
| CTSI-A03-001 | fixing clip for 250 ml flask (max. 11 in A / 14 in B) | 1 | |
| CTSI-A04-001 | fixing clip for 500 ml flask (max. 7 in A / 9 in B) | 1 | |
| CTSI-A05-001 | fixing clip for 1000 ml flask (max. 4 in A / 5 in B) | 1 | |







## CONSTANT TEMPERATURE INCUBATOR, INC65

Metallic outer case painted with epoxy resin. Inner chamber in mirror stainless steel. Air circulation system that homogenizes the temperature in the working room. For temperatures of RT + 5°C to 70°C. Resolution: 0,1°C. Temperature fluctuation: ±0,5°C. Two LCD screens that show the real and the established temperature. Timing function (0-9999min). UV sterilization function. Homogeneity and stability of the temperature: ±0,8°C. Crystal interior door that allows to see the samples. Easy to clean. Supplied with two grid trays adjustable in height (can accept more trays, see table). 220 V / 50-60 Hz. Warranty 2 years

| reference | capacity | ext. dim. (L x W x H) | int. dim. (L x W x H) | max. n° of shelves | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| INCU-045-001 | 45 L | 525 x 480 x 620 mm | 350 x 350 x 350 mm | 7 | 1 | |
| INCU-065-001 | 65 L | 575 x 480 x 720 mm | 400 x 350 x 450 mm | 9 | 1 | |
| INCU-125-001 | 125 L | 675 x 580 x 820 mm | 500 x 450 x 550 mm | 13 | 1 | |



## REFRIGERATED INCUBATOR, LBX INC-R

Ideal for BOD and other processes that require a low temperature during long periods of time. Cooling function that allows reaching temperatures below ambient. Metallic outer case painted with epoxy resin. Inner chamber in mirror stainless steel. Air circulation system that homogenizes the temperature in the working room. Polyurethane insulation layer. Fluoride-free refrigeration. Temperature range: 0- 65 °C. Resolution: 0,1 °C. Temperature motion: ± 0,5 °C (high temperature), ± 1 °C (low temperature). Temperature uniformity: ± 1,5 °C. Two LCD screens that show the real and the established temperature. Timing function (0- 99 h 59 min). Crystal interior door that allows to see the samples. Internal universal power socket with cover (compatible with EU and UK). Equipped with a side opening that allows the insertion of a temperature sensor or cable. Easy to clean. Supplied with two grid trays adjustable in height (can accept more trays, see table). It uses the refrigerant R134a. 220 V / 50 Hz. Warranty 2 years

| reference | capacity | ext. dim. (L x W x H) | int. dim. (L x W x H) | shelves n° | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| INCR-070-001 | 70 L | 560 x 570 x 1030 mm | 350 x 415 x 500 mm | 9 | 1 | |
| INCR-150-001 | 150 L | 620 x 640 x 1290 mm | 400 x 490 x 750 mm | 12 | 1 | |



## REFRIGERATED INCUBATOR WITH HUMIDITY CONTROL, INC-H

Cooling function that allows reaching temperatures below ambient temperature. Inner humidifying system that uses small particles and has a low water consumption. Intelligent defrosting function. Alarm function indicating when the container is short of water. Metallic outer case painted with epoxy resin. Inner chamber in mirror stainless steel. Air circulation system that homogenizes the temperature in the working room. Polyurethane insulation layer. Temperature range: 10- 65 °C (5- 65 °C, without humidification). Resolution: 0.1 °C. Temperature motion: ± 0,5 °C (high temperature), ± 1 °C (low temperature). Temperature uniformity: ± 1 °C. Humidity range: 45- 95% RH. Humidity stability: ± 5%. Large digital display that shows time, temperature, humidity, cycle period, segments, alarms and other indicators. Timing function (0- 99 h 59 min). Crystal interior door that allows to see the samples. LED lighting. Equipped with a side opening that allows the insertion of a temperature sensor or cable. Easy to clean. Supplied with two grid trays adjustable in height (can accept more trays, see table). It uses the refrigerant R134a. 220 V / 50 Hz. Warranty 2 years

| reference | capacity | ext. dim. (L x W x H) | int. dim. (L x W x H) | max. n° of shelves | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| INCH-070-001 | 70 L | 571 x 591 x 1051 mm | 415 x 350 x 500 mm | 5 | 1 | |
| INCH-150-001 | 150 L | 646 x 641 x 1301 mm | 490 x 400 x 750 mm | 9 | 1 | |

## CO2 INCUBATOR, INC-C

Used in life sciences, immunology, genetics, microbiology, cell biology, etc. Using $CO_2$, the pH is adapted and, in this way, this incubator not only provides the right temperature and humidity, but also a favorable pH for cell growth. Metallic outer case painted with epoxy resin. Inner chamber in mirror stainless steel. Internal tempered glass door. Heating with air-jacket. Temperature range: RT +3 °C- 60°C. Resolution: 0.1 °C. Temperature uniformity: ± 1,5 °C. LCD displays. Timing function (0- 9999 min). UV sterilization function. Alarm functions (over-temperature alarm, temperature sensor error alarm, water shortage alarm, $CO_2$ concentration alarm, and $CO_2$ shortage alarm). Supplied with two grid trays adjustable in height (can accept more trays, see table). Compatible with conventional $CO_2$ cylinders. 220 V / 50 Hz. Warranty 2 years



| reference | capacity | ext. dim. (L x W x H) | int. dim. (L x W x H) | max. n° of shelves | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| INCC-080-001 | 80 L | 571 x 591 x 1051 mm | 415 x 350 x 500 mm | 8 | 1 | |

## FORCE AIR DRYING OVEN, OVF

Metallic outer case painted with epoxy resin. Inner chamber in mirror stainless steel. Adjustable temperatures from 40° C to 300° C. Resolution: 0.1°C. Fluctuation of the temperature: ± 1°C. Temperature regulation by microprocessor with functions like over-temperature protection, sensor fault alarm, fixed temperature operation, timing function (0-9999 min), correction of deviation, internal parameter locked, etc. Homogeneity and temperature stability: ± 2.5%. Adjustable feet to facilitate the installation and leveling of the oven. Door with 180° opening window with double thermal safety glass for external control, without temperature variations in the inner chamber. Forced air convection. Standard fan switch that allows to work with natural convection (except for DOVF-230-001 oven, which does not have a fan switch). Easy to clean. Supplied with two grid trays adjustable in height (can accept more trays, see table). 220 V / 50-60 Hz. Warranty 2 years



| reference | capacity | ext. dim. (L x W x H) | int. dim. (L x W x H) | max. n° of shelves | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DOVF-030-001 | 30 L | 450 x 500 x 690 mm | 310 x 310 x 310 mm | 6 | 1 | |
| DOVF-045-001 | 45 L | 490 x 540 x 730 mm | 350 x 350 x 350 mm | 7 | 1 | |
| DOVF-065-001 | 65 L | 540 x 550 x 830 mm | 400 x 360 x 450 mm | 9 | 1 | |
| DOVF-125-001 | 125 L | 640 x 640 x 930 mm | 500 x 450 x 550 mm | 11 | 1 | |
| DOVF-230-001 | 230 L | 735 x 835 x 1115 mm | 600 x 500 x 750 mm | 17 | 1 | |

## VACUUM DRYING OVEN, OVV

Metallic outer case painted with epoxy resin. Inner chamber in mirror stainless steel. Four walls heating method. Double observation window with explosion-proof glass. Fastening handle, convenient for opening and closing the door. Adjustable temperatures from RT + 10 °C to 250 °C. Resolution: 0.1 °C. Fluctuation of the temperature: ± 1 °C. Temperature regulation by microprocessor with functions like over-temperature protection, sensor fault alarm, fixed temperature operation, timing function (0-9999 min), correction of deviation, internal parameter locked, etc. Easy to clean. Supplied with two grid trays adjustable in height (can accept more trays, see table). Requires a vacuum pump with a flow rate > 2 L/s. 220 V / 50-60 Hz. Warranty 2 years



| reference | capacity | int. dim. (L x W x H) | ext. dim. (L x W x H) | max. n° of shelves | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DOVV-024-001 | 24 L | 300 x 300 x 270 mm | 480 x 480 x 606 mm | 4 | 1 | |
| DOVV-052-001 | 52 L | 415 x 370 x 340 mm | 560 x 540 x 680 mm | 6 | 1 | |



## SHELFS FOR INCUBATORS AND OVENS

NEW

Shelfs for LBX INC65, INC-R, INC-H, INC-C incubators and LBX OVF, OVV ovens

| reference | dimensions (mm) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|
| INCU-A01-001 | 315 x 290 mm | shelf for INCU-045-001 | 1 | |
| INCU-A02-001 | 365 x 300 mm | shelf for INCU-065-001 | 1 | |
| INCU-A03-001 | 465 x 390 mm | shelf for INCU-125-001 | 1 | |
| INCR-A01-001 | 314 x 364 mm | shelf for INCR-070-001 | 1 | |
| INCR-A02-001 | 363 x 441 mm | shelf for INCR-150-001 | 1 | |
| INCH-A02-001 | 364 x 314 mm | shelf for INCH-070-001 | 1 | |
| INCH-A03-001 | 441 x 363 mm | shelf for INCH-150-001 | 1 | |
| INCC-A01-001 | 375 x 375 mm | shelf for INCC-080-001 | 1 | |
| DOVF-A01-001 | 275 x 280 mm | shelf for DOVF-030-001 | 1 | |
| DOVF-A02-001 | 315 x 320 mm | shelf for DOVF-045-001 | 1 | |
| DOVF-A03-001 | 365 x 330 mm | shelf for DOVF-065-001 | 1 | |
| DOVF-A04-001 | 465 x 420 mm | shelf for DOVF-125-001 | 1 | |
| DOVF-A06-001 | 552 x 464 mm | shelf for DOVF-230-001 | 1 | |
| DOVV-A03-001 | 290 x 285 mm | shelf for DOVV-024-001 | 1 | |
| DOVV-A04-001 | 405 x 355 mm | shelf for DOVV-052-001 | 1 | |



## *MUFFLE FURNACE FOR LABORATORY, MF12

Metallic outer case painted with epoxy resin. Insulation layer and inner chamber of ceramic fiber. LED screen that shows the real and established temperature. Temperature range: 100- 1200 °C. Resolution: 1 °C. Temperature rising time to max. temperature: ≤ 30 min. Timer function (1- 9999 min). Safety devices: manual door security lock, over temperature sound and light alarm, heat emission turns off automatically when door is opened, over-temperature protection, furnace disconnection by thermocouple failure. It has a chimney at the rear (hole: Ø 30 mm; chimney dimensions: 80 × 60 mm). The reference MUFU-120-001 has a single-phase safety plug (32A). 220 V / 50-60 Hz. Warranty 2 years

| reference | capacity | ext. dim. (L x W x H) | int. dim. (L x W x H) | power | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MUFU-020-001 | 2 L | 685 x 450 x 600 mm | 200 x 120 x 80 mm | 1,5 kW | 1 | |
| MUFU-072-001 | 7,2 L | 785 x 530 x 640 mm | 300 x 200 x 120 mm | 3,0 kW | 1 | |
| MUFU-120-001 | 12 L | 785 x 530 x 720 mm | 300 x 200 x 200 mm | 4,5 kW | 1 | |



## CLAY PIPE TRIANGLE

With stainless steel wires

| reference | side length (mm) | min. crucible Ø (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PITC-050-006 | 50 | 30 | 6 | |
| PITC-060-006 | 60 | 40 | 6 | |
| PITC-075-006 | 75 | 50 | 6 | |

## WHAT ARE LABORATORY CRUCIBLES AND HOW TO CHOOSE THE RIGHT MODEL?

Laboratory crucibles are containers with **high chemical and thermal resistance** used for heating, calcination, dehydration, burning, or melting substances. Their applications are varied and include **high-temperature chemical reactions** or different **analytical methods**.

There is a variety of crucible types, so when choosing a crucible, it is important to consider factors such as the **material** (porcelain, quartz, alumina, etc.), **size** (chosen based on the sample size), **shape** (high and low forms, boat, casserole with handle, etc.), **temperature,** or **chemical compatibility.**

| MATERIAL | MAX. TEMP. | CHARACTERISTICS |
|---|---|---|
| Porcelain | 1000 °C | • high thermal resistance (however, it is essential to heat and cool it gradually)<br>• high chemical inertia (even to most acids, but not to hydrofluoric acid or alkaline substances)<br>• high durability<br>• relatively economical material |
| Quartz | 1100 °C | • high thermal resistance<br>• high chemical inertia (even to most acids, but not to hydrofluoric acid)<br>• easy to clean<br>• transparent, allowing observation<br>• suitable for chemical reactions and the melting of samples |
| Alumina | 1750 °C | • very high thermal resistance<br>• high chemical resistance<br>• highly versatile and widely used |
| PTFE | 280 °C | • high thermal resistance compared to other thermoplastic materials<br>• high chemical inertia<br>• easy to clean (thanks to the smooth surface) |
| Nickel | 600 °C | • thermal conductivity<br>• high chemical resistance to certain substances (such as chlorine), but less resistant to others (like certain acids)<br>• high durability<br>• easy to clean |
| Stainless steel | 800 °C | • thermal conductivity<br>• also suitable for cryogenic applications (resistant to low temperatures down to -180 °C)<br>• high durability<br>• easy to clean |

## MELTING CRUCIBLE HIGH FORM, WITH LID *BASIC LINE*

HDN

121°

Made of porcelain. Glazed inside and outside. Price includes crucible and lid

| reference | capacity | $Ø_{rim}$ (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CRHC-015-006 | 15 ml | 32 | 34 | 6 | |
| CRHC-020-006 | 20 ml | 36 | 38 | 6 | |
| CRHC-030-006 | 30 ml | 40 | 46 | 6 | |
| CRHC-040-006 | 40 ml | 42 | 54 | 6 | |
| CRHC-050-006 | 50 ml | 43 | 58 | 6 | |



HDN

121°

## MELTING CRUCIBLE MEDIUM FORM, WITH LID *BASIC LINE*

Made of porcelain. Glazed inside and outside. Price includes crucible and lid



| reference | capacity | Ø rim (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CRMC-015-006 | 15 ml | 35 | 30 | 6 | |
| CRMC-020-006 | 20 ml | 38 | 32 | 6 | |
| CRMC-025-006 | 25 ml | 40 | 36 | 6 | |
| CRMC-030-006 | 30 ml | 42 | 41 | 6 | |
| CRMC-040-006 | 40 ml | 48 | 42 | 6 | |
| CRMC-050-006 | 50 ml | 53 | 46 | 6 | |
| CRMC-100-006 | 100 ml | 63 | 57 | 6 | |

HDN

121°

## MELTING CRUCIBLE HIGH FORM *PREMIUM LINE*

Made of upper grade porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim and lower bottom. Do not include cover



| reference | capacity | Ø rim (mm) | h (mm) | cover type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CRHK-005-006 | 5 ml | 24 | 20 | A | 6 | |
| CRHK-010-006 | 10 ml | 31 | 26 | B | 6 | |
| CRHK-015-006 | 15 ml | 35 | 29 | C | 6 | |
| CRHK-025-006 | 25 ml | 40 | 32 | D | 6 | |
| CRHK-030-006 | 30 ml | 43 | 37 | D | 6 | |
| CRHK-040-006 | 40 ml | 50 | 40 | E | 6 | |
| CRHK-050-006 | 50 ml | 53 | 43 | F | 6 | |
| CRHK-100-006 | 100 ml | 65 | 54 | G | 6 | |
| CRHK-250-003 | 250 ml | 88 | 72 | I | 3 | |

HDN

121°

## MELTING CRUCIBLE LOW FORM *PREMIUM LINE*

Made of upper grade porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim and lower bottom. Do not include cover



| reference | capacity | Ø rim (mm) | h (mm) | cover type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CRLK-010-006 | 8 ml | 32 | 20 | B | 6 | |
| CRLK-020-006 | 17 ml | 41 | 26 | D | 6 | |
| CRLK-030-006 | 30 ml | 50 | 31 | E | 6 | |
| CRLK-050-006 | 50 ml | 61 | 37 | Z | 6 | |
| CRLK-100-006 | 100 ml | 76 | 46 | H | 6 | |
| CRLK-150-006 | 150 ml | 84 | 52 | I | 6 | |
| CRLK-250-006 | 250 ml | 102 | 60 | J | 6 | |
| CRLK-500-006 | 500 ml | 145 | 70 | N/A | 6 | |

## CRUCIBLE COVER *PREMIUM LINE*

HDN

NEW

121°

Made of upper grade porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim

| reference | Ø inside (mm) | cover type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CRCK-026-006 | 26 | A | 6 | |
| CRCK-034-006 | 34 | B | 6 | |
| CRCK-038-006 | 38 | C | 6 | |
| CRCK-047-006 | 47 | D | 6 | |
| CRCK-053-006 | 53 | E | 6 | |
| CRCK-058-006 | 58 | F | 6 | |
| CRCK-063-006 | 63 | Z | 6 | |
| CRCK-066-006 | 66 | G2 | 6 | |
| CRCK-069-006 | 69 | G | 6 | |
| CRCK-080-006 | 80 | H | 6 | |
| CRCK-093-006 | 93 | I | 6 | |
| CRCK-108-006 | 105 | J | 6 | |



## GOOCH CRUCIBLE WITH PERFORATED BOTTOM *PREMIUM LINE*

HDN

121°

Made of upper grade porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except rim and lower bottom. Does not include cover

| reference | capacity | Ø top (mm) | h (mm) | for paper filter Ø | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| CRGK-015-006 | 15 ml | 29 | 32 | 15-16 mm | 6 | |
| CRGK-030-006 | 30 ml | 36 | 45 | 20-21 mm | 6 | |
| CRGK-050-006 | 50 ml | 40 | 49 | 23-24 mm | 6 | |



## QUARTZ CRUCIBLE, TRANSPARENT

LBG

121°

Tall form. They can withstand temperatures up to 1100 ° C. Price includes crucible and lid

| reference | capacity | Ø rim (mm) | h with lid (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CRQZ-020-001 | 20 ml | 35 | 41 | 1 | |
| CRQZ-025-001 | 25 ml | 37 | 52 | 1 | |
| CRQZ-030-001 | 30 ml | 39 | 56 | 1 | |
| CRQZ-050-001 | 50 ml | 46 | 62 | 1 | |
| CRQZ-100-001 | 100 ml | 57 | 85 | 1 | |



To prolong the life of the porcelain material, use gradual heating and cooling speeds. Use an oven or hot plate as an intermediate step when fast heating/cooling speeds are required. When using a bunsen burner, increase the flame intensity gradually. Avoid contact of the hot material with a cold surface. Carefully inspect the laboratory material before each use and never use material that appears to be defective.

HDN

## ALUMINA CRUCIBLE HIGH FORM *PREMIUM LINE*

Made of alumina 99,7 % withstanding temperatures up to 1750 °C. Unglazed. Does not include cover



| reference | capacity | Ø top (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| ACHF-010-001 | 10 ml | 30 | 31 | 1 | |
| ACHF-020-001 | 20 ml | 40 | 35 | 1 | |
| ACHF-050-001 | 50 ml | 51 | 47 | 1 | |
| ACHF-100-001 | 100 ml | 60 | 62 | 1 | |
| ACHF-250-001 | 250 ml | 80 | 94 | 1 | |

astiK's

## CRUCIBLE, PTFE

Isostatically molded in pure, FDA approved, PTFE. Totally chemically resistant and inert. Use up to 280 °C



| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| PTFC-005-001 | 5 ml | 27 | 16 | 1 | |
| PTFC-025-001 | 25 ml | 44 | 26 | 1 | |
| PTFC-075-001 | 75 ml | 56 | 41 | 1 | |
| PTFC-100-001 | 100 ml | 60 | 45 | 1 | |

clink

## NICKEL CRUCIBLE

Withstanding temperatures up to 600 °C. Does not include cover



| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CRNK-030-001 | 30 ml | 40 | 35 | 1 | |
| CRNK-060-001 | 60 ml | 50 | 45 | 1 | |
| CRNK-110-001 | 110 ml | 60 | 55 | 1 | |

clink

## STAINLESS STEEL CRUCIBLE

For temperatures from-180 °C up to 800 °C. Does not include cover



| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CRIX-030-001 | 30 ml | 40 | 35 | 1 | |
| CRIX-060-001 | 60 ml | 50 | 45 | 1 | |
| CRIX-110-001 | 110 ml | 60 | 55 | 1 | |
| CRIX-125-001 | 125 ml | 80 | 70 | 1 | |

## COMBUSTION BOAT *PREMIUM LINE*

HDN

Made of porcelain withstanding temperatures up to 1150 °C. Glazed inside and outside, except lower bottom. With perforated handle

| reference | capacity | l (mm) | h (mm) | w (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| COBK-080-012 | 1,5 ml | 80 | 10 | 12 | 12 | |
| COBK-086-001 | 2 ml | 86 | 11 | 13 | 1 | |
| COBK-090-001 | 2,2 ml | 90 | 11 | 13 | 1 | |
| COBK-120-001 | 4 ml | 120 | 10,3 | 12 | 1 | |



## MICROWAVE, PROCLEAN 3010

cecotec

Heats and defrosts in a homogeneous and efficient way. Various heating modes. Mechanical controls. Spinning plate. Timer: 0-30 min with alarm. Easy to clean. 230 V, 50 Hz. 2-year warranty

| reference | capacity | power (W) | ext. dim. (L x W x H) | int. dim. (L x W x H) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MCRW-20L-001 | 20 L | 700 | 445 x 355 x 255 mm | 285 x 277 x 175 mm | 1 | |



## DRYER

Ergonomic design. Double insulation. 2 speeds, 3 temperatures. 3 meter power cable. Two diffuser nozzles and removable filter. Useful for drying laboratory equipment, instruments, precipitates and others. 220-240 V, 50-60 Hz. 2-year warranty

| reference | power (W) | pcs/ pack | price/ pack |
|---|---|---|---|
| SDRY-2K0-001 | 2000 | 1 | |





LABBOX QUALITIES

In order to fulfil all of our customer's requirements, some of our products are available in three different qualities:

1. *Basic Line*: The most competitive option
2. *Standard Line*: The best price-quality ratio
3. *Premium Line*: They are differentiated from the standard products by some relevant characteristics that make them suitable for specific applications destined to our most demanding clients, always keeping an excellent price-quality ratio

For example:

*Premium Line* tips are DNase, RNase and PCR inhibitors-free certified, making them specifically designed for PCR techniques



## IMHOFF CONE FOR SEDIMENTATION

Available in borosilicate glass 3.3 or in transparent plastic (SAN). Graduated. The CONP-1K0-001 reference features a bottom screw cap that facilitates draining and cleaning

| reference | capacity | description | pcs/ pack | price/ pack |
|---|---|---|---|---|
| COI3-1K0-001 | 1 L | made of borosilicate glass 3.3 | 1 | |
| CONP-1K0-001 | 1 L | made of plastic (SAN) | 1 | |



## IMHOFF CONE STAND

For glass or plastic cones. Available in methacrylate or stainless steel

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CONP-RAC-001 | stand made of PMMA, for 2 Imhoff cones | 1 | |
| CONR-002-001 | stand made of stainless steel, for 2 Imhoff cones | 1 | |
| CONR-004-001 | stand made of stainless steel, for 4 Imhoff cones | 1 | |



## WATER SAMPLING BOTTLES, PET, STERILE

Bottles without graduation, body made of PET, Ø 38,5 mm mouth, for easy filling and square shape that optimizes packaging and transport. Sterilized by ethylene oxide and single packed in polyethylene bag: the sterility of the product is only guaranteed if the pack is intact. Available with predosed sodium thiosulfate (20 mg/L), according to ISO 19458. Free sterilization certificate available on the website

| reference | capacity | dimensions (length x width x height) | weight (g) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| WSBE-500-090 | 500 ml | 65 x 65 x 165 mm | 42 | sterile without thiosulfate | 90 | |
| WSBE-50T-090 | 500 ml | 65 x 65 x 165 mm | 42 | sterile with thiosulfate | 90 | |
| WSBE-1K0-048 | 1000 ml | 71,5 x 77,2 x 237 mm | 50 | sterile without thiosulfate | 48 | |
| WSBE-1KT-048 | 1000 ml | 71,5 x 77,2 x 237 mm | 50 | sterile with thiosulfate | 48 | |



## WATER SAMPLING BOTTLES, PET, STERILE, WIDE NECK

Bottles without graduation, body made of PET, Ø 63 mm mouth, for easy filling and square shape that optimizes packaging and transport. Sterilized by ethylene oxide and single packed in polyethylene bag: the sterility of the product is only guaranteed if the pack is intact. Available with predosed sodium thiosulfate (20 mg/L), according to ISO 19458. Free sterilization certificate available on the website

| reference | capacity | dimensions (length x width x height) | weight (g) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| WSBW-500-060 | 500 ml | 75 x 75 x 119 mm | 44 | sterile without thiosulfate | 60 | |
| WSBW-50T-060 | 500 ml | 75 x 75 x 119 mm | 44 | sterile with thiosulfate | 60 | |
| WSBW-1K0-036 | 1000 ml | 88 x 88 x 190 mm | 69 | sterile without thiosulfate | 36 | |
| WSBW-1KT-036 | 1000 ml | 88 x 88 x 190 mm | 69 | sterile with thiosulfate | 36 | |



## STERILE BAGS FOR WATER SAMPLING WITHOUT THIOSULFATE

Made of polyethylene. Easy-to-close. Without thiosulfate tablets. With write-on strip. DNase, RNase and pyrogen free

| reference | capacity | w (mm) | l (mm) | thickness (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| STWS-12E-100 | 120 ml | 76 | 178 | 0,063 | 100 | |
| STWS-53E-100 | 530 ml | 114 | 229 | 0,063 | 100 | |

## STERILE BAGS FOR WATER SAMPLING

astiK's

Made of highly resistant polyethylene (FDA-approved). Easy-to-close bags with puncture-proof tabs for protection from possible damage due to wire-end punctures. Ideal for chlorinated water samples, with thiosulfate tablets (10 mg / 100 ml), to perform bacterial testing. Maximum bag mouth opening and write-on strip and volume markings for measurements. DNase, RNase and pyrogen free. Free sterilization certificate available on the website



| reference | capacity | w (mm) | l (mm) | thickness (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| STWS-100-100 | 100 ml | 76 | 178 | 0,063 | 100 | |
| STWS-300-100 | 300 ml | 114 | 229 | 0,063 | 100 | |

## BOD BOTTLE WITH GLASS ROBOTIC STOPPER

Made of 3.3 borosilicate glass (upper grade). Available without numbering and with a white write-on patch for labeling or in numbered series of 24 units



| reference | capacity | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| BODB-060-001 | 60 ml | without numbering | 1 | |
| BODB-300-001 | 300 ml | without numbering | 1 | |
| BODB-3N1-024 | 300 ml | with numbering 1 - 24 | 24 | |
| BODB-3N2-024 | 300 ml | with numbering 25 - 48 | 24 | |

## POOLTESTER - QUICK AND SEMIQUANTITATIVE MEASUREMENT KIT FOR PH, CHLORINE AND BROMINE

WATER-I.D.

PoolTester pH and chlorine / bromine (POLT-T10-001) includes Testblock with 8pH scale values (range 6.8 – 8.2) and 16 chlorine / bromine values (ranges DPD N°1 (free $Cl_2$) 0.1 – 6.0 / $Br_2$ 0.22 – 13.2) and tablets RAPID (rapidly soluble) for 30 tests each



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| POLT-T10-001 | PoolTester pH and DPD Nº1 (free $Cl_2$ / $Br_2$) | 1 | |
| Reagents | | | |
| POLT-R10-030 | refill pack phenol Red RAPID / DPD Nº1 (free $Cl_2$ / $Br_2$) RAPID | 30 | |

## FLEXITESTER QUANTITATIVE VISUAL MEASUREMENT KIT

WATER-I.D.

Quantitative water measurement kit with a continuous color scale that allows greater accuracy than semi-quantitative kits. Ergonomic design and high quality materials simplify measurements. Each reference includes a plastic box with hanger, stick magazine, FlexiTester and reagents



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| FLXT-100-020 | measurement kit for pH 6.5–8.4 + Chlorine 0.0–5.0 ppm | 20 | |
| FLXT-200-020 | measurement kit for pH 6.5–8.4 + Active Oxygen 0–20 ppm | 20 | |
| FLXT-400-020 | measurement kit for pH 6.5–8.4 + Copper/Zinc LR 0.0–1.0 ppm | 20 | |
| Reagents | | | |
| FLXT-R10-030 | reagent refill for pH and Chlorine | 30 | |
| FLXT-R20-030 | reagent refill for pH and Active Oxygen | 30 | |
| FLXT-R40-020 | reagent refill for pH and Copper/Zinc LR | 20 | |

## METRIA | SEMI-QUANTITATIVE INDICATOR STRIPS

Semi-quantitative indicator strips for ammonium, ascorbic acid, chloride, chlorine (free), copper, fluoride, free fatty acids, iron, nitrate, nitrite, peracetic acid, peroxide, phosphate, sulphite and water hardness. These tests allows a quick and easy method to determine these free/available ions in solution. 100 strips per pack




| reference | range | interval | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ascorbic acid | | | | |
| AAIS-011-001 | 0-2000 mg/l (ppm) | 0 - 50 - 100 - 200 - 300 - 500 - 700 - 1000 - 2000 | 1 | |
| peracetic acid | | | | |
| PAIS-011-001 | 0-500 mg/l (ppm) | 0 - 100 - 150 - 200 - 250 - 300 - 400 - 500 | 1 | |
| PAIS-012-001 | 0-2000 mg/l (ppm) | 0 - 500 - 1000 - 1500 - 2000 | 1 | |
| free fatty acids | | | | |
| FAIS-011-001 | 0 % - 2,5 % | 0 - 0,25 - 0,5 - 1 - 1,5 - 2 - 2,5 | 1 | |
| ammonium | | | | |
| MMIS-011-001 | 0-400 mg/l (ppm) | 0 - 10 - 25 - 50 - 100 - 200 - 400 | 1 | |
| chlorine | | | | |
| CHIS-011-001 | 0-5 mg/l (ppm) | 0 - 0,5 - 1,0 - 3,0 - 5,0 | 1 | |
| CHIS-012-001 | 0-20 mg/l (ppm) | 0 - 1,0 - 3,0 - 5,0 - 10,0 - 20,0 | 1 | |
| CHIS-013-001 | 0-300 mg/l (ppm) | 0 - 25 - 50 - 100 - 200 - 300 | 1 | |
| CHIS-014-001 | 0-1000 mg/l (ppm) | 0 - 50 - 100 - 250 - 500 - 1000 | 1 | |
| copper | | | | |
| COIS-011-001 | 0-300 mg/l (ppm) | 0 - 10 - 30 - 100 - 300 | 1 | |
| water hardness ($CaCO_3$) | | | | |
| WHIS-011-001 | 0-500 mg/l (ppm) | 0 - 5 - 125 - 250 - 500 | 1 | |
| WHIS-012-001 | 0-21 °d | 3 - 4 - 7 - 14 - 21 | 1 | |
| phosphate | | | | |
| PHIS-011-001 | 0-500 mg/l (ppm) | 0 - 3 - 10 - 25 - 50 - 100 - 250 - 500 | 1 | |
| iron | | | | |
| IRIS-011-001 | 0-100 mg/L | 0 - 2 - 5 - 10 - 25 - 50 - 100 | 1 | |
| chloride | | | | |
| CLIS-011-001 | 0-3000 mg/L (ppm) | 0 - 500 - 1000 - 1500 - 2000 - 3000 | 1 | |
| fluoride | | | | |
| FLIS-011-001 | 0-100 mg/l (ppm) | 0 - 10 - 25 - 50 - 100 | 1 | |
| nitrate | | | | |
| NAIS-011-001 | 0-500 mg/l (ppm) | 0 - 10 - 25 - 50 - 100 - 250 - 500 | 1 | |
| nitrite | | | | |
| NIIS-011-001 | 0-25 mg/l (ppm) | 0 - 0,5 - 1,0 - 5,0 - 10 - 25 | 1 | |
| NIIS-012-001 | 0-80 mg/l (ppm) | 0 - 2 - 5 - 10 - 20 - 40 - 80 | 1 | |
| peroxide | | | | |
| POIS-011-001 | 0-100 mg/l (ppm) | 0 - 1 - 3 - 10 - 30 - 100 | 1 | |
| POIS-012-001 | 0-1000 mg/l (ppm) | 0 - 100 - 200 - 400 - 600 - 800 - 1000 | 1 | |
| sulphite | | | | |
| SLIS-011-001 | 0-500 mg/l (ppm) | 0 - 10 - 25 - 50 - 100 - 250 - 500 | 1 | |

## REAGENTS FOR COD MEASUREMENT BY PHOTOMETRY

METRIA

Prepared vials for COD determination (Ø 16mm x h 100 mm), compatible with PrimeLab 1.0 Multitest photometer of WATER-ID, and also with photometers from other companies like LOVIBOND, WTW, MACHEREY-NAGEL, MERCK, HANNA, AQUALYTIC, PALIN, BIOCHROM, HACH and any manufacturer using 16 mm vials. Each vial contains 3.3 ml (of which 2.4 ml is sulfuric acid). Mercury-free vials are a safer choice for environmental and health reasons, but they do not provide the same precision and reliability as mercury-based methods. For compliance testing, many regulatory agencies specifically require mercury sulfate to eliminate chloride interference



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PHTR-DML-025 | COD (LR) 0 - 150 mg/l prepared vials, mercury-free | 25 | |
| PHTR-DMM-025 | COD (MR) 0 - 1500 mg/lprepared vials, mercury-free | 25 | |
| PHTR-DMH-025 | COD (HR) 0 - 15000 mg/l prepared vials, mercury-free | 25 | |
| PHTR-DQL-025 | COD (LR) 0 - 150 mg/l prepared vials | 25 | |
| PHTR-DQM-025 | COD (MR) 0 - 1500 mg/lprepared vials | 25 | |
| PHTR-DQH-025 | COD (HR) 0 - 15000 mg/l prepared vials | 25 | |
| “Saving package” | | | |
| PHTR-DML-150 | COD (LR) 0 - 150 mg/l prepared vials, mercury-free | 150 | |
| PHTR-DMM-150 | COD (MR) 0 - 1500 mg/lprepared vials, mercury-free | 150 | |
| PHTR-DMH-150 | COD (HR) 0 - 15000 mg/l prepared vials, mercury-free | 150 | |
| PHTR-DQL-150 | COD (LR) 0 - 150 mg/l prepared vials | 150 | |
| PHTR-DQM-150 | COD (MR) 0 - 1500 mg/lprepared vials | 150 | |
| PHTR-DQH-150 | COD (HR) 0 - 15000 mg/l prepared vials | 150 | |

## POOLLAB 2.0 PHOTOMETER

WATER-I.D.

Portable photometer, ideal for pool water analysis. It offers the possibility to measure 24 different parameters (not all reagents included), such as cyanuric acid, chlorine, pH, and others. Thanks to the triple cuvette, it is possible to measure three parameters simultaneously. The basic PoolLab 2.0 photometer kit (POLP-BK2-001) includes 1 PoolLab 2.0 with a large color screen, Bluetooth and WiFi, waterproof IP68, 1 triple measurement cuvette, 1 light protector, 3 plastic stirring rods (white, blue, red), 1 10 ml syringe, 3 AA batteries, 1 manual, software/app/cloud, 1 bag, and an initial pack of POLP-RRF-001 reagents. The initial pack of photometric quality reagents (POLP-RRF-001) includes 20 phenol red tablets, 20 DPD 1 tablets, 10 DPD 3 tablets, 10 alkalinity-M tablets, and 10 CYA tablets. These reagents allow measurement of the following parameters: alkalinity, chlorine (tablet mode), cyanuric acid, pH (tablet mode). Additional reagents for measuring other parameters are the PRLR and POLR references. 2-year warranty



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| POLP-BK2-001 | PoolLab 2.0 photometer, basic kit | 1 | |
| Accessories and spare parts | | | |
| POLP-AV2-001 | replacement vial | 1 | |
| POLP-AL2-001 | spare part light shield | 1 | |
| POLP-AH2-001 | spare part cuvette holder | 1 | |
| POLP-ASR-001 | spare part plastic stirring rod, white | 1 | |
| POLP-ASB-001 | spare part plastic stirring rod, blue | 1 | |
| POLP-ASC-001 | spare part plastic stirring rod, red | 1 | |
| POLP-AB2-001 | spare part nylon bag | 1 | |
| Reagents | | | |
| POLP-RRF-001 | initial reagent pack | 1 | |

WATER-I.D.

## REAGENTS FOR POOLLAB 2.0 PHOTOMETER

Reagents for PoolLab 2.0 photometer methods in tablets, powder or liquid. Photometer grade



| reference | description | price/ pack |
|---|---|---|
| PRLR-RD4-050 | reagent DPD Nº4, 50 tablets | |
| PRLR-005-050 | alkalinity - M, 50 tablets | |
| PRLR-041-050 | aluminium Nº1, 50 tablets | |
| PRLR-042-050 | aluminium Nº2, 50 tablets | |
| PRLR-021-050 | ammonia LR Nº1, 50 powder-pillows | |
| PRLR-023-050 | ammonia Nº2, 50 powder-pillows | |
| POLR-DCL-050 | DECHLOR, 50 tablets | |
| PRLR-RD1-050 | reagent DPD Nº1, 50 tablets | |
| PRLR-RD2-050 | reagent DPD Nº2, 50 tablets | |
| PRLR-RD3-050 | reagent DPD Nº3, 50 tablets | |
| PRLR-HGC-050 | reagent glycine, 50 tablets | |
| POLR-CP1-050 | chlorine HR KI, 50 powder-pillows | |
| PRLR-AGP-050 | reagent acidifying GP, 50 tablets | |
| PRLR-181-050 | copper Nº1, 50 tablets | |
| PRLR-182-050 | copper Nº2, 50 tablets | |
| PRLR-020-050 | cyanuric acid, 50 tablets | |
| POLR-CL1-040 | calcium hardness Nº1 and Nº2, 20/20 ml | |
| POLR-HL1-030 | total hardness Nº1 and Nº2, 20/10 ml | |
| POLR-HPL-050 | hydrogen peroxide LR, 50 tablets | |
| POLR-APT-050 | acidifying reagent, 50 tablets | |
| POLR-HPP-050 | hydrogen peroxide HR, 50 powder-pillows | |
| PRLR-028-050 | iron LR, 50 tablets | |
| POLR-NP1-050 | nitrate Nº1, 50 powder-pillows | |
| POLR-NP2-050 | nitrate Nº2, 50 powder-pillows | |
| PRLR-038-050 | pH MR phenol red (6.5 - 8.4), 50 tablets | |
| POLR-PHM-050 | PHMB, 50 tablets | |
| POLR-PP1-050 | phosphate LR Nº1, 50 powder-pillows | |
| PRLR-442-050 | phosphate LR Nº2, 50 tablets | |
| PRLR-461-050 | phosphate HR Nº1, 50 powder-pillows | |
| PRLR-462-050 | phosphate HR Nº2, 50 tablets | |
| PRLR-048-050 | potassium, 50 tablets | |
| PRLR-035-050 | nitrite LR, 50 powder-pillows | |
| PRLR-054-050 | sulfate, 50 powder-pillows | |
| POLR-URL-006 | urea Nº1 and Nº2, 4/2 ml | |
| PRLR-062-050 | copper / zinc LR, 50 tablets | |
| PRLR-RED-050 | EDTA reagent, 50 tablets | |
| POLR-D1A-030 | reagent DPD1A, 30 ml (250 tests) | |
| POLR-D1B-030 | reagent DPD1B, 30 ml (250 tests) | |
| POLR-D3C-030 | reagent DPD3C, 30 ml (250 tests) | |
| POLR-PRE-065 | pH phenol red, 65 ml (270 tests) | |

## Reagents needed for each of the PoolLab 2.0 photometer's parameters

| PARAMETER | RANGE | REFERENCE REAGENT | DESCRIPTION |
|---|---|---|---|
| Active Oxygen | 0,00 - 20,00 mg/l | PRLR-RD4-050 | reagent DPD N°4, 50 tablets" |
| Alkalinity | 0 - 200 mg/l | PRLR-005-050 | alkalinity - M, 50 tablets |
| Aluminium | 0,00 - 0,30 mg/l | PRLR-041-050 | aluminium N°1, 50 tablets |
| | | PRLR-042-050 | aluminium N°2, 50 tablets |
| Ammonia | 0,00 - 1,20 mg/l | PRLR-021-050 | ammonia LR N°1, 50 powder-pillows |
| | | PRLR-023-050 | ammonia N°2, 50 powder-pillows |
| Bromine, tablet mode | 0,00 - 13,00 mg/l | PRLR-RD1-050 | reagent DPD N°1, 50 tablets" |
| | | PRLR-HGC-050 | reagent glycine, 50 tablets |
| Bromine, liquid mode | 0,00 - 9,00 mg/l | POLR-D1A-030 | reagent DPD1A, 30 ml (250 tests) |
| | | POLR-D1B-030 | reagent DPD1B, 30 ml (250 tests) |
| | | PRLR-HGC-050 | reagent glycine, 50 tablets |
| Calcium Hardness | 0 - 500 mg/l | POLR-CL1-040 | calcium hardness N°1 and N°2, 20/20 ml |
| Chloramines | 0,00 - 6,00 mg/l | PRLR-RD1-050 | reagent DPD N°1, 50 tablets" |
| | | PRLR-RD2-050 | reagent DPD N°2, 50 tablets" |
| | | PRLR-RD3-050 | reagent DPD N°3, 50 tablets |
| Chlorine, tablet mode | 0,00 - 6,00 mg/l | PRLR-RD1-050 | reagent DPD N°1, 50 tablets" |
| | | PRLR-RD3-050 | reagent DPD N°3, 50 tablets |
| Chlorine, liquid mode | 0,00 - 4,00 mg/l | POLR-D1A-030 | reagent DPD1A, 30 ml (250 tests) |
| | | POLR-D1B-030 | reagent DPD1B, 30 ml (250 tests) |
| | | POLR-D3C-030 | reagent DPD3C, 30 ml (250 tests) |
| Chlorine HR (KI) | 5 - 200 mg/l | POLR-CP1-050 | chlorine HR KI, 50 powder-pillows |
| | | PRLR-AGP-050 | reagent acidifying GP, 50 tablets |
| Chlorine Dioxide, tablet mode | 0,00 - 11,00 mg/l | PRLR-RD1-050 | reagent DPD N°1, 50 tablets" |
| | | PRLR-HGC-050 | reagent glycine, 50 tablets |
| Chlorine Dioxide, liquid mode | 0,00 - 7,50 mg/l | POLR-D1A-030 | reagent DPD1A, 30 ml (250 tests) |
| | | POLR-D1B-030 | reagent DPD1B, 30 ml (250 tests) |
| | | PRLR-HGC-050 | reagent glycine, 50 tablets |
| Copper | 0,00 - 5,00 mg/l | PRLR-181-050 | copper N°1, 50 tablets |
| | | PRLR-182-050 | copper N°2, 50 tablets |
| Cyanuric acid | 0 - 100 mg/l | PRLR-020-050 | cyanuric acid, 50 tablets" |
| Hydrogen Peroxide LR | 0,00 2,40 mg/l | POLR-HPL-001 | hydrogen peroxide LR, 50 tablets |
| Hydrogen Peroxide HR | 0 - 180 mg/l | POLR-HPP-050 | hydrogen peroxide HR, 50 powder-pillows |
| | | POLR-APT-050 | acidifying reagent, 50 tablets |
| Iron LR | 0,00 - 1,00 mg/l | PRLR-028-050 | iron LR, 50 tablets |
| Nitrate | 1 - 50 mg/l | POLR-NP1-050 | nitrate N°1, 50 powder-pillows |
| | | POLR-NP2-050 | nitrate N°2, 50 powder-pillows |
| Nitrite | 0,00 - 1,50 mg/l | PRLR-035-050 | nitrite LR, 50 powder-pillows |
| Ozone, tablet mode | 0,00 - 4,00 mg/l | PRLR-RD1-050 | reagent DPD N°1, 50 tablets" |
| | | PRLR-RD3-050 | reagent DPD N°3, 50 tablets |
| | | PRLR-HGC-050 | reagent glycine, 50 tablets |
| Ozone, liquid mode | 0,00 - 2,70 mg/l | POLR-D1A-030 | reagent DPD1A, 30 ml (250 tests) |
| | | POLR-D1B-030 | reagent DPD1B, 30 ml (250 tests) |
| | | POLR-D3C-030 | reagent DPD3C, 30 ml (250 tests) |
| | | PRLR-HGC-050 | reagent glycine, 50 tablets |
| pH, tablet mode | 6,50 - 8,40 pH | PRLR-038-050 | pH MR phenol red (6.5 - 8.4), 50 tablets |
| pH, liquid mode | 6,50 - 8,40 pH | POLR-PRE-065 | pH phenol red, 65 ml (270 tests) |
| PHMB | 5 - 60 mg/l | POLR-PHM-050 | PHMB, 50 tablets |
| Phosphate LR | 0,00 - 4,00 mg/l | POLR-PP1-050 | phosphate LR N°1, 50 powder-pillows |
| | | PRLR-442-050 | phosphate LR N°2, 50 tablets |
| Phosphate HR | 0 - 80 mg/l | PRLR-461-050 | phosphate HR N°1, 50 powder-pillows |
| | | PRLR-462-050 | phosphate HR N°2, 50 tablets |
| Potassium | 0,7 - 12,0 mg/l | PRLR-048-050 | potassium, 50 tablets |
| Sulphate | 5 - 100 mg/l | PRLR-054-050 | sulphate, 50 powder-pillows |
| Total Hardness | 0 - 500 mg/l | POLR-HL1-030 | total hardness N°1 and N°2, 20/10 ml |
| Urea | 0,10 - 2,50 mg/l | POLR-DCL-050 | DECHLOR, 50 tablets |
| | | POLR-URL-006 | urea N°1 and N°2, 4/2 ml |
| | | PRLR-021-050 | ammonia LR N°1, 50 powder-pillows |
| | | PRLR-023-050 | ammonia N°2, 50 powder-pillows |
| Zinc (with chlorine) | 0,00 - 1,00 mg/l | POLR-DCL-050 | DECHLOR, 50 tablets |
| | | PRLR-062-050 | copper / zinc LR, 50 tablets |
| | | PRLR-RED-050 | EDTA reagent, 50 tablets |



## DIGITAL DRY BATH (5 TO 150 °C), CODB150

Dry heating system by metal blocks (7.6 x 9.6 cm). Temperature adjustable up to 150 °C (accuracy ±0.2 °C (single position)/0.5 °C (dual position)).Function mode: Continuos with alarm timer (1' - 99h 59'). LED display for temperature and time. 230v/50Hz. Insulation rating IP21 (DIN EN60529). PT1000 external temperature sensor. Warranty 2 years. No block included.Suitable for COD digestion (148 °C), TOC determination (120 °C), Chromium-total determination (100 °C), Phosphate-total determination (100°C) and Nitrogen-total determination (100 °C).

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| CODB-TC1-001 | dry bath, single position (15.2 x 19 x 8.6 cm), 5K/min, 165W | 1 | |
| CODB-TC2-001 | dry bath, dual position (15.2 x 30 x 8.6 cm), 4.5K/min, 250W | 1 | |
| CODB-B70-001 | block for 20 x 12mm or 13mm vials | 1 | |
| CODB-B71-001 | block for 12 x 15mm or 16mm vials | 1 | |
| CODB-A01-001 | support clamp for temperature sensor | 1 | |



## PORTABLE TURBIDITY METER (ISO 7027), M10

High performance portable turbidity meter for process control or field measurements. Ratio type. Measurement according to nephelometric method (90 °) ISO 7027. Range: 0 - 1100 NTU / FNU, 0 - 275 EBC, 0 - 9999 ASBC. Accuracy ± 2% (0- 500 NTU), ± 3% (501- 1100 NTU). 2 to 5 calibration points with formazine standards (standards not included). Backlit LCD screen and auto-off function. Stability indicator that recognizes the measurement as stable and expanded memory with a capacity of 100 readings transferable via USB interface. 3x1,5V AA batteries (not included), adapter (220 V / 50 Hz) or USB. Includes case, 6 sample vials, printed 5-point factory calibration certificate (0.02 – 10- 200- 500- 1000 NTU) and cleaning cloth. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| TBMT-M10-001 | portable turbidity meter M10 | 1 | |
| Spare parts | | | |
| TBMT-A01-006 | glass vials for M10 turbidity meter | 6 | |



## *OIL TASTING BATH, 6 PLACES

Housing made of AISI 304 stainless steel. Non-removable fixed aluminium box. Heating through a flat element covering all the box surface. Temperature adjustment with a digital thermometer, from room temperature 5 °C up to 40 °C. 3-digits temperature display with accuracy 0,1 °C. External dimensions: 185 x 80 x 315 mm. Maximum temperature: 30°C. Consumption: 125 W. Aluminium box specially designed for edible oil tasting according to European Union regulation L.248/67. Designed following recommendations of IOC (International Olive Council). Manufactured as per CE directives. 230V/50Hz. Warranty 2 years. Delivery time 3 weeks. It is recommended to take together with the tasting glasses (OLIV-001-006) and watch glasses dish, 60 mm (WDIN-060-010)

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| OLIV-B06-001 | oil taste bath, 6 places | 1 | |



## OLIVE OIL TASTING GLASS

Capacity: 130 ml. Manufactured according to COI/T.20/Doc. no. 5 (does not include certificate)

| reference | color | h (mm) | $Ø_{mouth}$ (mm) | $Ø_{max.}$ (mm) | $Ø_{base}$ (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| OLIV-001-006 | blue | 60 | 50 | 70 | 35 | 6 | |
| "Saving package" | | | | | | | |
| OLIV-001-072 | blue | 60 | 50 | 70 | 35 | 72 | |

## *KJELDAHL DIGESTION SYSTEM, KJD10

Graphite digester with advanced high temperature infrared radiation heating technology, controlled platform and anti-oxidation treatment, corrosion-resistant design for long lasting life. Temperature range: RT + 5 °C to 450 °C, quick temperature rise (400 °C in 25 minutes), accuracy: ± 1 °C. Linear and curve temperature rise modes. Offers 20 digestion programs for control of temperature rise curves. Capacity: 20 positions of 300 ml tubes. 5,7 inch color screen, easy to use. The standard configuration includes a waste gas collection hood but must be combined with the KJDL-A01-001 exhausting system (not included) to condensate and neutralize the corrosive gas waste generated in the experiment. The KJDF1 exhausting system has a triple filtration system, avoids spilling or emptying and has adjustable suction pressure with a low noise, anticorrosion vacuum pump and a PTFE anticorrosion pipe design. Environmentally friendly. It is recommended to combine with the DTU3-042-*** digestion tubes (10 tubes included) and the KJDL-CAT-250 catalyst tablets. High temperature alarm and overload protection. Power: 3600 W. 220 V ± 10%, 50 Hz. Warranty 2 years





| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| KJDL-001-001 | Kjeldahl digestion system, KJD10 | 1 | |
| Accessories | | | |
| KJDL-A01-001 | exhausting and fume elimination system, KJDF1 | 1 | |
| KJDL-T02-020 | sealing tubes for empty positions (mandatory to prevent gas leakage) | 20 | |

## *KJELDAHL AUTOMATIC DISTILLER, KJD20

Fully intelligent software that can complete sample distillation within minutes. Automatic addition of NaOH, $H_2O$ and $H_3BO_3$. Automatic reagent quantification and filling. Automatic cleaning system that further enhances measurement precision. Easy to operate interface. Measuring range: 0,1 mg – 240 mg N. Recovery ≥ 99,5%. Sample capacity: 6 g/sample (solid) or 16 ml/sample (liquid). Distillation speed: 3-6 min/sample. 4,3 inch LCD color screen. Manual and automatic operation modes. Automatic alkali pipeline washing function. Automatic or manual filling mode. Programmable distillation time with automatic alarm upon completion. Emergency stop, automatic fault detection, over temperature protection, over pressure protection and intelligent audible and visual alarm system. Calibration function: dilution water calibration, alkali solution calibration, boric acid solution calibration and washing flow calibration. Safety door, digestion tube and cooling water condition displayed at real time when running. Built in testing model to detect the current condition of most functions. It is recommended to combine with the DTU3-042-*** digestion tubes (10 tubes included). Power: 1300 W. 220 V ± 10%, 50 Hz. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| KJDL-002-001 | Kjeldahl automatic distiller, KJD20 | 1 | |

## KJELDAHL CATALYST TABLETS

They favor the digestion process of the Kjeldahl method. They contain $K_2SO_4$ (3,6 g) and $CuSO_4 \cdot 5H_2O$ (0,4 g). Nitrogen content of a tablet 20 ppm



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| KJDL-CAT-250 | Kjeldahl catalyst tablets | 250 | |



LBG | **TUBE FOR KJELDAHL DIGESTION**

Made of 3.3 borosilicate glass. Round bottom. With rim. The DTU3-042-*** tube is compatible with LBX Instruments

| reference | Ø mouth (mm) | Ø outer (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| DTU3-040-001 | 48 | 40 | 298 | 1 | |
| DTU3-042-001 | 47 | 42 | 300 | 1 | |
| "Saving package" | | | | | |
| DTU3-040-010 | 48 | 40 | 298 | 10 | |
| DTU3-042-010 | 47 | 42 | 300 | 10 | |

## THE THREE PHASES OF NITROGEN DETERMINATION BY THE KJELDAHL METHOD



### DIGESTION

A homogenized sample is brought to boil in concentrated sulfuric acid with a catalyst that accelerates digestion. The result is an ammonium sulfate solution [$(NH_4)_2SO_4$].



### DISTILLATION

An excess base is added to the result of the digestion to convert the ammonium salt ($NH_4^+$) to ammonia gas ($NH_3$). The gas passes through the equipment's distillation system and is condensed in an Erlenmeyer flask containing a receptor solution.



### TITRATION

The amount of ammonia in the receptor solution is quantified. The amount of nitrogen in a sample can be calculated from the quantified amount of ammonia ions in the receptor solution.

## LITMUS PAPER STRIPS

METRIA

Basic indicator paper when a precise pH value is not needed. Blue litmus paper turns to red when a solution goes from basic to acidic while red litmus paper turns to blue when a solution goes from acidic to basic. Neutral litmus paper turns to blue when going to basic and red when going to acid. Each plastic box contains 10 booklets with 20 paper strips each




| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| LSPH-001-001 | litmus blue indicator paper in strips | 1 | |
| LSPH-002-001 | litmus red indicator paper in strips | 1 | |
| LSPH-003-001 | litmus neutral indicator paper in strips | 1 | |

## UNIVERSAL pH TEST PAPERS, ROLL

METRIA

Universal pH test paper in rolls 5 m long and 7 mm wide. Each roll is stored in a plastic dispenser with a printed color scale with pH intervals of 1




| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| URPH-001-001 | pH 1 - 11 paper roll | 1 | |
| URPH-002-001 | pH 1 - 14 paper roll | 1 | |
| 10 units “Saving package” | | | |
| URPH-001-010 | pH 1 - 11 paper roll | 10 | |
| URPH-002-010 | pH 1 - 14 paper roll | 10 | |
| 50 units “Saving package” | | | |
| URPH-001-050 | pH 1 - 11 paper roll | 50 | |
| URPH-002-050 | pH 1 - 14 paper roll | 50 | |

## pH INDICATOR STRIPS WITH 4 PADS

METRIA

Strips made of vinyle with 4 indicator pads prepared with a non-bleed system, therefore the resultant colour change will remain far longer and readable until the pads are dry, even with a highly alkaline solution. These strips provide an accurate method of measuring the pH of a solution and produce high quality results each time. 100 strips per pack




| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| STPH-311-001 | pH 0.0 - pH 14.0, Interval: 1 pH | 1 | |
| STPH-312-001 | pH 4.0 - pH 10.0, Interval: 0.5 pH | 1 | |
| STPH-313-001 | pH 7.0 - pH 14, Interval: 0.5 pH | 1 | |
| 10 units “Saving package” | | | |
| STPH-311-010 | pH 0.0 - pH 14.0, Interval: 1 pH | 10 | |
| STPH-312-010 | pH 4.0 - pH 10.0, Interval: 0.5 pH | 10 | |
| STPH-313-010 | pH 7.0 - pH 14, Interval: 0.5 pH | 10 | |

## WINE pH INDICATOR STRIPS

METRIA

These indicator strips are specific for testing the pH of the juice prior to fermentation during wine production. 50 strips per pack




| reference | range | interval | pcs/ pack | price/ pack |
|---|---|---|---|---|
| WSPH-001-001 | pH 2,8 - 4,4 | pH 2,8 - 3,2 - 3,6 - 4,0 - 4,4 | 1 | |

## METRIA | UNIVERSAL pH TEST PAPERS, STRIPS

Each plastic box contains 200 paper strips and a printed color scale for comparison




| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| CSPH-001-001 | pH 1 - 11, Interval: 1 pH | 1 | |
| CSPH-002-001 | pH 1 - 14, Interval: 1 pH | 1 | |
| CSPH-003-001 | pH 1.0 - pH 3.5, Interval: 0.5 pH | 1 | |
| CSPH-004-001 | pH 3.6 - pH 5.1, Interval: 0.3 pH | 1 | |
| CSPH-005-001 | pH 5.2 - pH 6.7, Interval: 0.3 pH | 1 | |
| CSPH-006-001 | pH 6.8 - pH 8.3, Interval: 0.3 pH | 1 | |
| CSPH-007-001 | pH 8.4 - pH 10.0, Interval: 0.3 pH | 1 | |
| CSPH-008-001 | pH 4.0 - pH 8.0, Interval: 0.5 pH | 1 | |

## METRIA | POCKET pH METER

CE

Simply and compact pH meter. pH range: 0- 14 pH, precision: ± 0.1 pH. Automatic temperature compensation (0- 50 °C). Single point manual calibration. Fix electrode. 4 battery cells 1.5 V LR44 (included). Dimensions: 152 x 30 x 21 mm. Weight: 50 g



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PHMT-600-001 | pH meter, pH600 | 1 | |

## METRIA | POCKET pH METER, WATER-TIGHT

CE

2 WARRANTY

pH meter compact with interchangeable electrode and automatic temperature compensation. pH range: 0- 14 pH, precision: ± 0.05 pH. Temperature range: 0- 60 °C, accuracy ± 1 °C. Calibration in 2 points (pH 4.01, 7.00 and 10.01). Water-tight (IP 65 protection). Power supply: 3 LR44 batteries (included). 2-year warranty



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PHMT-030-001 | pH meter, pHscan 30 | 1 | |
| Spare parts | | | |
| PHMT-A30-001 | spare electrode | 1 | |

## XS | *PORTABLE pH METER, pH7

CE

3 WARRANTY

pH meter portable with automatic and manual temperature compesation. pH range: 0- 14 pH and ± 1000 mV (redox). Standard BNC connector for pH and redox electrodes. Automatic calibration in 3 points (pH 4.01, 7.00 and 10.01). Includes transportation case, rubber case, buffer solutions (pH 4.01 and 7.00), electrode for general use with BNC fixed cable and CAT probe. Warranty 3 year. Compatible with METRIA electrodes (PHEL). Delivery 1 week



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| PHMT-007-001 | pHmeter, pH7 , with electrode | 1 | |
| Spare parts | | | |
| PHMT-A07-001 | spare pH electrode for pH7 and pH50+ | 1 | |
| PHMT-A01-001 | spare redox probe for pH7 and pH50+ | 1 | |

## PORTABLE pH METER, M22

METRIA

Portable pH/ORP meter with automatic or manual temperature compensation (between 0 and 100 ° C). Range: -2.00 - 20.00 pH, accuracy ± 0.01 pH. ORP range: ± 1.999 mV, accuracy ± 1 mV. BNC standard connector for pH or redox electrodes and Phone Plug (3.5 mm) for the CAT probe. Up to 3 calibration points according to the USA (pH 4.01, 7.00 and 10.01) or NIST (pH 4.01, 6.86 and 9.18). Backlit LCD screen and auto-off function. Stability indicator that recognizes the measurement as stable and expanded memory with a capacity of 100 transferable readings via USB interface. Indication of the electrode calibration slope that helps the user to decide when to replace it. Power supply 3 x 1,5 V AA batteries (included) or DC5V adapter (not included). Includes transport case, buffer solutions (pH 4.01 and 7.00), METRIA PHEL-GB1-001 (maximum service temperature 80 °C) electrode and ATC probe PHMT-PT1-001. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PHMT-M22-001 | pHmeter M22, with electrode and ATC probe | 1 | |
| Spare parts | | | |
| PHMT-A03-001 | red-ox probe | 1 | |

## *BENCHTOP pH METER, pH50

XS

Benchtop pH meter with automatic and manual temperature compensation (between 0 and 80 °C). pH range: 0- 14 pH, resolution: 0.01 pH, accuracy ± 0.02 pH. Redox range: ± 1000 mV, resolution ± 1 mV. Standard BNC connector for pH and redox electrodes. Automatic calibration in 3 points (pH 4.01, 7.00 and 10.01). Backlit LCD display. Keypad resistant to water, bases and acids splashes. Stable measurement indication. Includes buffer solutions (pH 4.01 and 7.00), electrode arm, electrode for general use with BNC fixed cable and integrated CAT probe. Plastic body electrode, with gel electrolyte, pH range 0- 14 and 0- 60 °C. Warranty 3 years. Delivery 1 week



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| PHMT-P50-001 | pH meter, pH50+, with electrode | 1 | |
| Spare parts | | | |
| PHMT-A07-001 | spare pH electrode for pH7 and pH50+ | 1 | |
| PHMT-A01-001 | spare redox probe for pH7 and pH50+ | 1 | |

## BENCHTOP pH METER, M21

METRIA

Benchtop pH/ORP meter with automatic or manual temperature compensation (between 0 and 100 ° C). Range: -1.00 - 15.00 pH, resolution: 0.01 pH, accuracy ± 0.01 pH. Redox range: ± 1999 mV, accuracy ± 1 mV. Standard BNC connector for pH or redox electrodes and Phone Plug (3.5 mm) for the ATC probe. Autocalibration in 3 points according to USA (pH 4.01, 7.00 and 10.01) or NIST (pH 4.01, 6.86 and 9.18). Backlit LCD screen. Auto-Hold feature senses and locks the measurement endpoint. Automatic electrode slope display helps user decide chether to replace the sensor. Includes buffer solutions (pH 4.01, 7.00 and 10.01), electrode holder, METRIA electrode PHEL-GB1-001 (maximum service temperature 80 °C) and CAT probe PHMT-PT1-001. 220 V / 50 Hz. Warranty 2 years. Stirrer STIS-000-001 recommended



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PHMT-M21-001 | pH meter M21, with electrode and ATC probe | 1 | |
| Spare parts | | | |
| PHMT-A03-001 | red-ox probe | 1 | |



## METRIA BENCHTOP pH METER, M92

Benchtop pH/ORP meter with automatic or manual temperature compensation (between 0 and 100 ° C). Range: -2.000- 20.000 pH, resolution: 0.001 pH, precision ± 0.002 pH. ORP range: ± 1999 mV, resolution ± 0.2 mV. Standard BNC connector for pH or redox electrodes and Phone Plug (3.5 mm) for the ATC probe. Auto-calibration from 1 to 5 points according to USA, NIST, DIN or customized and recalibration alarm from 1 to 31 days. Backlit LCD screen. Stability indicator that recognizes the measurement as stable and expanded memory with a capacity of 500 readings. Includes buffer solutions (pH 4.01, 7.00 and 10.01), electrode holder, METRIA PHEL-GB1-001 electrode (maximum service temperature 80 °C), CAT probe PHMT-PT1-001 and USB cable. 220 V / 50 Hz. Warranty 2 years. STIS-000-001 stirrer recommended

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| PHMT-M92-001 | pH meter M92, with electrode and ATC probe | 1 | |
| Spare parts | | | |
| PHMT-A03-001 | red-ox probe | 1 | |



## METRIA PLASTIC BODY DUAL pH ELECTRODE WITH ATC PROBE, GENERAL USE

Plastic body (epoxy), specially designed for general use. Reference element Ag/AgCl, gel non refillable electrolyte and porous teflon diaphragm. pH range 0- 14, maximum service temperature 100°C. Dimensions: 120 x 12 mm. Available with BNC connection and 1 m cable, and two types of ATC probe connections: 10K/3.5mm Jack for METRIA meters and 30K/CINCH for Mettler-Toledo, FISHER and VWR meters

| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHDE-PM1-001 | 10K/BNC/3.5mm JACK | 1 | |
| PHDE-PW1-001 | 10K/BNC/CINCH | 1 | |
| PHDE-PK1-001 | 30K/BNC/CINCH | 1 | |



## METRIA GLASS BODY DUAL pH ELECTRODE WITH ATC PROBE, INTENSIVE USE

For general laboratory uses and measurements that require greater precision in liquids and non-aqueous solutions, aggressive samples. Resists poisoning and fouling. Reference element Ag/AgCl, non refillable electrolyte and porous teflon diaphragm. pH range 0- 14, maximum service temperature 130 °C. Dimensions: 120 x 12 mm. Available with BNC connection and 1 m cable, and two types of ATC probe connections: 10K/3.5mm Jack for METRIA meters and 30K/CINCH for Mettler-Toledo

| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHDE-GM2-001 | 10K/BNC/3.5mm JACK | 1 | |
| PHDE-GW2-001 | 10K/BNC/CINCH | 1 | |
| PHDE-GK2-001 | 30K/BNC/CINCH | 1 | |



## METRIA EPOXY BODY pH ELECTRODE FOR EDUCATIONAL USE, *BASIC LINE*

Specially designed for educational market, combining quality at an affordable price. Minimum maintenance, less frequent calibrations and greater stability. Plastic body (epoxy). Reference element Ag/AgCl, gel non refillable electrolyte and fiber diaphragm. pH range 0 ... 14, maximum service temperature 60 °C. Dimensions: 120 x 12 mm. Fixed cable 1 m long with BNC connector

| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHEL-EDU-001 | 1 m cable + BNC | 1 | |

## EPOXY BODY pH ELECTRODE, GENERAL USE

METRIA

Plastic body (epoxy), specially designed for general use in portable pH meters. Reference element Ag/AgCl, gel non refillable electrolyte and porous teflon diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (length: 1 m) or S7 connector (delivery without connecting cable, please order separately)




| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHEL-PB1-001 | 1 m cable + BNC | 1 | |
| PHEL-PS1-001 | S7 | 1 | |

## GLASS BODY pH ELECTRODE, GENERAL USE

METRIA

For general use. Aqueous solutions. Reference element Ag/AgCl, liquid refillable electrolyte (3M KCl/AgCl) and annular ceramic diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Available with two types of connections: BNC connector with fixed cable (lenght: 1 m) or S7 connector (delivery without connecting cable, please order separately)




| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHEL-GB1-001 | 1 m cable + BNC | 1 | |
| PHEL-GS1-001 | S7 | 1 | |

## EPOXY BODY pH ELECTRODE, INTENSIVE USE

METRIA

Plastic body (epoxy), specially designed for general use in portable pH meters and also for industrial uses. Reference element Ag/AgCl, gel non refillable electrolyte and double porous teflon diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensiones: 120 x 12 mm. Fixed cable 1 m long with BNC connector




| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHEL-PB2-001 | 1 m cable + BNC | 1 | |

## GLASS BODY pH ELECTRODE, INTENSIVE USE

METRIA

For general use and high accuracy measurements in liquids and non aqueous samples. Reference element Ag/AgCl, liquid refillable electrolyte (3M KCl/AgCl) and double ceramic diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Fixed cable 1 m long with BNC connector




| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHEL-GB2-001 | 1 m cable + BNC | 1 | |

## GLASS BODY pH ELECTRODE, SEMI MICRO APPLICATIONS

METRIA

Glass body electrode, specially designed for measuring pH in very small sample volumes or narrow vessels. Reference element Ag/AgCl, liquid refillable electrolyte (3M KCl/AgCl) and frit ceramic diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Stem dimensions: 90 x 4,5 mm. Fixed cable 1 m long with BNC connector




| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHEL-GB3-001 | 1 m cable + BNC | 1 | |

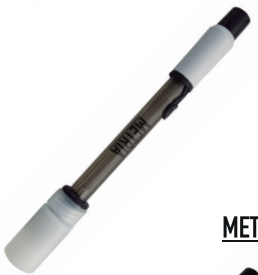
## METRIA GLASS BODY pH ELECTRODE, FOR LIQUIDS



Glass body electrode, specially designed for measuring pH in liquids and deep flasks with narrow neck. Reference element Ag/AgCl, liquid refillable electrolyte (3M KCl/AgCl) and frit ceramic diaphragm. pH range 0- 14, maximum service temperature 80 °C. Lower shaft dimensions: 150 (±2mm) x 6,2 mm (±2mm). Fixed cable 1 m long with BNC connector

| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHEL-LB1-001 | 1 m cable + BNC | 1 | |

## METRIA EPOXY BODY pH ELECTRODE, DIFICULT SAMPLES



Specially designed for measuring difficult samples: dairy products, viscose samples, creams, surface measurements (paper, Agar, skin, ...). Reference element Ag/AgCl, partial gel refillable electrolyte (3.5M KCl/AgCl) and teflon diaphragm. pH range 0 ... 14, maximum service temperature 80 °C. Dimensions: 120 x 12 mm. Fixed cable 1 m long with BNC connector

| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHEL-PB4-001 | 1 m cable + BNC | 1 | |

## METRIA GLASS BODY pH ELECTRODE FOR HIGH TEMPERATURE MEASUREMENTS



Specially designed for high temperature measurements and for industrial pipeline. Reference element Ag/AgCl, gel non refillable electrolyte and double teflon diaphragm. pH range 0 ... 14, maximum service temperature 130 °C. Dimensions: 120 x 12 mm. Fixed cable 1 m long with BNC connector

| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHEL-GB6-001 | 1 m cable + BNC | 1 | |

## METRIA PENETRATION pH ELECTRODE FOR SOLIDS AND SEMI-SOLIDS



Penetration food probe specially designed for measuring pH of: meat, cheese and semi solids. Robust Teflon Bodied. Reference element Ag/AgCl, gel non refillable electrolyte and teflon diaphragm. pH range 0 ... 14, maximum service temperature 60 °C. Dimensions: 75 x 8 mm. Fixed cable 1 m long with BNC connector

| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHEL-PB5-001 | 1 m cable + BNC | 1 | |

## METRIA GLASS BODY pH ELECTRODE, FOR SLURRIES AND SOIL MEASUREMENTS



Glass body electrode, specially designed for measuring pH in slurries and soil. Reference element Ag/AgCl, liquid refillable electrolyte (3M KCl/AgCl) and frit ceramic diaphragm. pH range 0- 14, maximum service temperature 80 °C. Dimensions: 12 x 120 mm. Fixed cable 1 m long with BNC connector

| reference | connector | pcs/ pack | price/ pack |
|---|---|---|---|
| PHEL-MB1-001 | 1 m cable + BNC | 1 | |

## CABLE FOR ELECTRODES WITH S7 HEAD

METRIA

BNC connector cable for electrodes with S7 head



| reference | length | pcs/ pack | price/ pack |
|---|---|---|---|
| PHAC-001-001 | 1 m | 1 | |

## CONSERVATION ELECTRODE SOLUTIONS LABKEM

labkem

Electrolyte solutions for the conservation and regeneration of the electrode



| reference | description | package | price/ pack |
|---|---|---|---|
| POCL-30A-250 | solution for conservation, potassium chloride 3M | 250 ml | |
| POCL-A0A-250 | potassium chloride 3M+AgCl - re-fillable electrodes | 250 ml | |

## LABKEM pH BUFFER SOLUTION

labkem

Coloured solutions to prevent mistakes. Certificate of analysis to be downloaded free of charge at www.labbox.com. Certificates traceable to SRM from NIST. Variation table of pH / temperature on the label. Use within 12-15 months of opening



| reference | type | description | package | price/ pack |
|---|---|---|---|---|
| PHBS-002-250 | pH 1,68 ± 0,01 (20 ºC) | colourless | 250 ml | |
| PHBS-004-250 | pH 4,00 ± 0,01 (20 ºC) | red | 250 ml | |
| PHBS-004-1K0 | pH 4,00 ± 0,01 (20 ºC) | red | 1000 ml | |
| PHBS-007-250 | pH 7,00 ± 0,01 (20 ºC) | yellow | 250 ml | |
| PHBS-007-1K0 | pH 7,00 ± 0,01 (20 ºC) | yellow | 1000 ml | |
| PHBS-0A9-250 | pH 9,21 ± 0,01 (20 ºC) | colourless | 250 ml | |
| PHBS-0A9-1K0 | pH 9,21 ± 0,01 (20 ºC) | colourless | 1000 ml | |
| PHBS-010-250 | pH 10,00 ± 0,01 (20 ºC) | blue | 250 ml | |
| PHBS-010-1K0 | pH 10,00 ± 0,01 (20 ºC) | blue | 1000 ml | |
| PHBS-012-250 | pH 12,65 ± 0,01 (20 ºC) | colourless | 250 ml | |

## LABKEM pH BUFFER SOLUTION WITH MEASURING CHAMBER

labkem

Bottle with a separate measuring chamber, “twin-neck”. No other containers are required during the calibration process and subsequent cleaning thereof, preserving the purity of the buffer solution. Colored solutions to prevent mistakes. Certificates traceable to SRM from NIST. Variation table of pH / temperature on the label. Use within 12-15 months of opening



| reference | type | description | package | price/ pack |
|---|---|---|---|---|
| PHBW-002-500 | pH 1,68 ± 0,01 (20 ºC) | colourless | 500 ml | |
| PHBW-004-500 | pH 4,00 ± 0,01 (20 ºC) | red | 500 ml | |
| PHBW-004-1K0 | pH 4,00 ± 0,01 (20 ºC) | red | 1000 ml | |
| PHBW-007-500 | pH 7,00 ± 0,01 (20 ºC) | yellow | 500 ml | |
| PHBW-007-1K0 | pH 7,00 ± 0,01 (20 ºC) | yellow | 1000 ml | |
| PHBW-0A9-500 | pH 9,21 ± 0,01 (20 ºC) | colourless | 500 ml | |
| PHBW-010-500 | pH 10,00 ± 0,01 (20 ºC) | blue | 500 ml | |
| PHBW-012-500 | pH 12,65 ± 0,01 (20 ºC) | colourless | 500 ml | |

labkem

## pH BUFFER CAPSULE



Twist the capsule, open and pour the granules in 100ml of DI (deionised) water, shake the solution so the granules dissolve and the solution is ready to use. Once made up the buffer should last approximately one week, before it's too weak to use. NIST certified. Tolerance margin of ± 0,02 if used with deionised water. Tests show the same results even if the volume is not totally accurate, no need to measure with an exact volumetric flask and a pipette. If to use as a side information it can be used with distilled water and even tap water. No expiring date

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| PHBC-004-010 | pH 4,01 ± 0,02 (25 °C) | 10 | |
| PHBC-007-010 | pH 7,00 ± 0,02 (25 °C) | 10 | |
| PHBC-009-010 | pH 8,96 ± 0,02 (25 °C) | 10 | |
| PHBC-010-010 | pH 10,01 ± 0,02 (25 °C) | 10 | |

METRIA

CE

## POCKET CONDUCTIVITY METER, BASIC SERIES



Range: 10 to 1990 µS/cm, res.: 10 µS/cm and accuracy ±2% full scale. Single point manual calibration. Automatic temperature compensation from +5 up to +50 °C. Built in a one-piece casing. Battery type: 4 x 1.5V LR44 (included). Dimensions: 150 x 30 x 24 mm, weight 85 g

| reference | range | pcs/ pack | price/ pack |
|---|---|---|---|
| COMT-601-001 | 10 - 1990 µS/cm | 1 | |

METRIA

CE

2 WARRANTY

## POCKET CONDUCTIVITY METER, WATER-TIGHT



Compact Conductivity meter with interchangeable cell and automatic temperature compensation (0 - 50 °C). Conductivity range according to model: 1,0- 199.9 µS/cm, 10- 1999 µS/cm or 0,1- 19.99 mS/cm, accuracy ±1% F.S. (full scale). Single point calibration. Auto-power off feature helps you effectively conserve battery life. Water-tight. Power supply: 3 LR44 batteries (included). 2-year warranty

| reference | range | readability | calibration solutions | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| COMT-020-001 | 1,0 - 199,9 µS/cm | 0,1 µS | 146 µS | 1 | |
| COMT-030-001 | 10 - 1999,9 µS/cm | 1 µS | 1413 µS | 1 | |
| COMT-040-001 | 0,1 - 19,9 mS/cm | 0,01 mS | 12,88 mS | 1 | |

XS

CE

3 WARRANTY

## *PORTABLE CONDUCTIVITY METER, COND7 VIO



Portable conductivity meter with automatic and manual temperature compensation. Range: 0- 19.99 µS/cm, 0- 199.9 µS/cm, 200- 1999 µS/cm, 2.00- 199.9 mS/cmAutomatic calibration in 5 points (84, 147, 1413 µS/cm, 12.88 y 111 mS/cm) and manual calibration in 5 points. Includes transportation case, rubber case, two buffer solutions and conductivity cell for general use (K=1) with automatic temperature compesation. Warranty 3 years. Delivery 1 week

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| COMT-007-001 | conductivity meter, COND7 VIO, with probe | 1 | |
| Spare parts | | | |
| COMT-A02-001 | conductivity cell for COND7 and COND50 | 1 | |

## METRIA PORTABLE CONDUCTIVITY METER, MODEL M52

METRIA

Portable conductivity meter with automatic temperature compensation (between 0 and 105 °C). Conductivity measuring ranges 10,00 to 20, 200, 2000,00 µS/cm, 20.00 mS/cm, accuracy ± 0.5%. Expandable to conductivity range 10.00 µS/cm- 200.0 mS/cm, accuracy ± 0.5% with COEL-P0H-001 (K = 10, for measurements 20 mS/cm) and to conductivity range 0.01 µS/cm- 20.00 mS/cm, accuracy ± 0.5% with COEL-G0L-001 (K = 0,1, for measurements 10 µS/cm). Calibration of 1 to 3 points with automatic recognition of 5 conductivity standards: 10 µS/cm, 84 µS/cm, 1413 µS/cm, 12.88 mS/cm and 111.8 mS/cm. Backlit LCD screen. Stable measurement indication and auto-off function. Storage memory of 100 records. Calibration alarm from 1 to 31 days. Selectable constant K (0.1- 1- 10) and linear temperature coefficient. Power supply 3x1,5V AA batteries (not included) or DC5V adapter (not included). Includes standard solutions 84 µS/cm, 1413 µS/cm and 12.88 mS/cm (solutions do not include certificate), conductivity electrode K = 1 (COEL-P0S-001) and temperature sensor (PHMT-PT1-001). 2 year warranty



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| COMT-M52-001 | conductivity meter M52 with electrode COEL-P0S-001 and temperature probe | 1 | |

## *DESKTOP CONDUCTIVITY METER, COND50

XS

Desktop conductivity meter with manual or automatic temperature compensation (between 0 and 99 °C). Available ranges (range is automatically chosen): 0,0- 200,0 µS/cm, 200,0- 2000 µS/cm, 2,00- 20,00 mS/cm, 20,0- 200,0 mS/cm, accuracy ±1 % full scale. Automatic and manual calibration with automatic recognition of 4 conductivity solutions: 84, 1413 mS / cm and 12.88, 111.8 mS / cm. Stable measurement indication. Includes sensor support, two buffer solutions and conductivity cell with integrated temperature sensor (K=0,1- 1,0- 10,0 selectable). Keypad resistant to water, bases and acids splashes. Backlit LCD. Warranty 3 years. Delivery 1 week



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| COMT-P51-001 | conductivity meter, COND50, with probe | 1 | |
| Spare parts | | | |
| COMT-A02-001 | conductivity cell for COND7 and COND50 | 1 | |

## BENCH TOP CONDUCTIVITY METER, M51

METRIA

Conductivity/TDS desktop meter with automatic temperature compensation (between 0 and 100 ° C). Conductivity measuring ranges 10,00 to 20, 200, 2000,00 µS/cm, 20.00 mS/cm, accuracy ± 1% and TDS 0- 100,0 ppt (max. 200 ppt), accuracy ± 1%. Expandable to conductivity range 10,00 µS/cm- 200,0 mS/cm, accuracy ± 1% and TDS 0- 100,0 ppm (max. 200 ppm), accuracy ± 1% with COEL-P0H-001 (K = 10, for measurements 20 mS/cm) and to conductivity range 0,1 µS/cm- 20,00 mS/cm, accuracy ± 1% and TDS 0- 10,0 ppt (max. 20 ppt), accuracy ± 1% with COEL-G0L-001 (K = 0 , 1, for measurements 10 µS/cm). Calibration of 1 to 3 points with automatic recognition of 5 conductivity standards: 10 µS/cm, 84 µS/cm, 1413 µS/cm, 12,88 mS/cm and 111,8 mS/cm. Backlit LCD screen. Stable measurement indication and auto-off function. Selectable TDS conversion factor (0,01- 1,00), constant K (0,1- 1- 10) and temperature coefficient (0,0- 10,0%). Includes standard solutions 84 µS/cm, 1413 µS/cm and 12,88 mS/cm (solutions do not include certificate), conductivity electrode K = 1 (COEL-G0S-001) and temperature sensor (PHMT-PT1-001). 220 V / 50 Hz. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| COMT-M51-001 | conductivity meter M51 with electrode COEL-G0S-001 and temperature probe | 1 | |

METRIA

## CONDUCTIVITY ELECTRODES



Conductivity electrodes with temperature compensation to be used with COMT-M51-001 or COMT-M52-001. Dimensions 120 x 12 mm, BNC conection with 1 m cable length.
K = 1: conductivity values (0- 150 mS/cm), temperature range (0- 100°C).
General purpose, plate material: platinum
K = 10: conductivity values (0- 500 mS/cm), temperature range (0- 100°C).
For high conductivity solutions, plate material: carbon
K = 0,1: conductivity values (0- 500 µS/cm), temperature range (0- 50°C).
For pure water, plate material: platinum

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| COEL-G0S-001 | glass standard conductivity electrode, BNC, K = 1 | 1 | |
| COEL-P0S-001 | plastic standard conductivity electrode, BNC, K = 1 | 1 | |
| COEL-G0H-001 | glass standard conductivity electrode, BNC, K = 10 | 1 | |
| COEL-P0H-001 | plastic standard conductivity electrode, BNC, K = 10 | 1 | |
| COEL-G0L-001 | glass standard conductivity electrode, BNC, K = 0,1 | 1 | |

labkem

## CONDUCTIVITY SOLUTIONS



Tolerance ±1% of the declared value. Certificates traceable to SRM from NIST. Use within 12 months of opening (6 months for COSS-10U-500)

| reference | type | package | price/ pack |
|---|---|---|---|
| COSS-10U-500 | 10 µS/cm (25 ºC) | 500 ml | |
| COSS-084-500 | 84 µS/cm (25 ºC) | 500 ml | |
| COSS-147-500 | 147 µS/cm (25 ºC) | 500 ml | |
| COSS-1K4-500 | 1413 µS/cm (25 ºC) | 500 ml | |
| COSS-012-500 | 12,88 mS/cm (25 ºC) | 500 ml | |
| COSS-111-500 | 111,8 mS/cm (25 ºC) | 500 ml | |

XS

CE

2 WARRANTY

## *MULTIPARAMETER TESTER, PC5 SERIES



A single compact device to measure pH, mV, conductivity, TDS, salinity and temperature. With interchangeable probe. pH range:-2 ... 16,00 pH, accuracy ±0.01 pH and 1...3 points calibration. mV (redox) measuring range: ±1000. Conductivity range: 0- 200 µS/cm, 0- 2000 µS/cm, 0- 20,00 mS/cm, accuracy: ±0.5 % (value reading) and 1...3 points calibration. Temperature range: 0 - 50 °C, accuracy ±0.2 °C. TDS range: 0,1 mg/L - 10 g/L, accuracy: 0,5 % (value reading). Salinity range: 0,01 - 10 ppt. Water-tight, IP 67. Includes: MPMT-A05-001 electrode. Warranty 2 years. Delivery 1 week

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| MPMT-005-001 | multiparameter tester, PC5 | 1 | |
| Accessories and spare parts | | | |
| MPMT-A05-001 | spare electrode | 1 | |
| MPMT-A35-001 | red-ox probe | 1 | |

## THERMOMETER

METRIA

Chemical thermometers filled with colored liquid (without mercury). Partial immersion (76 mm)



| reference | range | readability | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| THER-050-001 | -10 +50 ºC | ± 0,5 °C | 6 | 300 | 1 | |
| THER-110-001 | -10 +110 ºC | ± 1 °C | 6 | 300 | 1 | |
| THER-150-001 | -10 +150 ºC | ± 1 °C | 6 | 300 | 1 | |
| THER-250-001 | -10 +250 ºC | ± 1 °C | 6 | 300 | 1 | |
| 10 units “Saving package” | | | | | | |
| THER-050-010 | -10 +50 ºC | ± 0,5 °C | 6 | 300 | 10 | |
| THER-110-010 | -10 +110 ºC | ± 1 °C | 6 | 300 | 10 | |
| THER-150-010 | -10 +150 ºC | ± 1 °C | 6 | 300 | 10 | |
| THER-250-010 | -10 +250 ºC | ± 1 °C | 6 | 300 | 10 | |

## THERMOMETER FOR LOW TEMPERATURES

METRIA

Chemical thermometers filled with colored liquid (without mercury). Total immersion



| reference | range | readability | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| THER-LT1-001 | -50 +50 ºC | ± 1 °C | 6 | 300 | 1 | |
| THER-LT2-001 | -50 +100 ºC | ± 1 °C | 6 | 300 | 1 | |
| THER-LT3-001 | -100 +50 ºC | ± 1 °C | 6 | 300 | 1 | |
| THER-LT4-001 | -100 +100 ºC | ± 1 °C | 6 | 300 | 1 | |
| “Saving package” | | | | | | |
| THER-LT1-010 | -50 +50 ºC | ± 1 °C | 6 | 300 | 10 | |
| THER-LT2-010 | -50 +100 ºC | ± 1 °C | 6 | 300 | 10 | |
| THER-LT3-010 | -100 +50 ºC | ± 1 °C | 6 | 300 | 10 | |
| THER-LT4-010 | -100 +100 ºC | ± 1 °C | 6 | 300 | 10 | |

## THERMOMETER, ALLA FRANCE

Yellow enameled rod. Filled with red coloured liquid (without mercury). Partial immersion (76 mm)



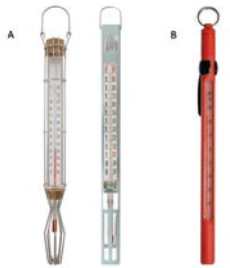
| reference | range | readability | precision | Ø (mm) | l (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| THER-60A-010 | -10 + 60 °C | ± 0,5 °C | ± 1 °C | 6 - 7 | 305 | 10 | |
| THER-11A-010 | -20 + 110 °C | ± 1 °C | ± 2 °C | 6 - 7 | 305 | 10 | |
| THER-15A-010 | -20 + 150 °C | ± 1 °C | ± 2 °C | 6 - 7 | 305 | 10 | |

## THERMOMETER WITH PRECISION AND TRACEABILITY CERTIFICATE, ALLA FRANCE

Yellow enameled rod. Filled with coloured organic liquid (without mercury, ecologically safe). Indelible printing scale resistant to chemical products. Triangular ring to prevent the thermometer from rolling. Partial immersion at 76 mm. The batch number is not printed on the thermometer. Connected to the 3 following calibretion channels: MRA/ILAC (COFRAC, DKD...), NIST and GOST



| reference | range | readability | precision | Ø (mm) | l (mm) | color | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|---|
| THER-60C-001 | -10 + 60 °C | ± 0,5 °C | ± 0,8 °C | 6 - 7 | 305 | blue | 1 | |
| THER-11C-001 | -20 + 110 °C | ± 1 °C | ± 1 °C | 6 - 7 | 305 | red | 1 | |
| THER-15C-001 | -20 + 150 °C | ± 1 °C | ± 2 °C | 6 - 7 | 305 | red | 1 | |




METRIA

## THERMOMETER WITH COVER

Thermometers filled with colored liquid (without mercury) and protected inside a cover to avoid any breakage in freezers or oven

| reference | range | readability | l (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| THES-120-001 | 0 +120 ºC | ±1 ºC | 300 | stainless steel shielded (A) | 1 | |
| THES-220-001 | +80 +220 ºC | ±1 ºC | 360 | stainless steel shielded (A) | 1 | |
| THES-041-001 | -40 +40 ºC | ±1 ºC | 170 | plastic shielded (B) | 1 | |

XS

CE

## DIGITAL THERMOMETER WITH PROBE SENSOR TP3001



Fixed probe made of stainless steel, 145 mm long. Temperature unit °C/°F. Range:-50 300 °C (-58 572 °F), resolution 0.1 °C/°F and accuracy ±1 °C from-50 °C to 200 °C y ±3 °C from 200 °C to 300 °C. Hold function included (temperature hold in display). Power supply: 1 battery cell G13. Dimensions: 235 x 22 mm, weight 25 g. Includes PVC protection cover

| reference | range | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| THER-D30-001 | -50 +300 ºC | straight | 1 | |

METRIA

CE

## DIGITAL THERMOMETER WITH FOLDABLE PROBE KT-600



Foldable probe made of stainless steel, 100 mm long. Temperature unit °C/°F. Range: -50 +300 °C (-58 +572 °F), resolution 0.1 °C/°F. Power supply: 1 battery LR44 type 1.5V. Dimensions: 243 x 33 mm (143 x 33 mm folded)

| reference | range | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| THER-D33-001 | -50 +300 °C | foldable | 1 | |

METRIA

CE

## DIGITAL INDOOR THERMO-HYGROMETER DC108




Thermo-hygrometer with wall and table holder. Temperature unit °C/°F. Temperature range:-10 up to +50 °C (+14 + 122°F), resolution 0.1 °C/°F. Humidity mesuring range: 20% to 90% with 1% resolution. Functions: maximum temperature, minimum temperature and comfort area. Power supply: 1 battery 1.5 V type AAA. Dimensions: 91 x 85 x 20 mm, weight 96 g. CE certification

| reference | range | precision | pcs/ pack | price/ pack |
|---|---|---|---|---|
| THER-D31-001 | -10 +50 ºC | ±1 ºC | 1 | |

METRIA

CE

## TERMO-HIGRÓMETRO DIGITAL PARA INTERIORES CON TEMPORIZADOR KT-9




Thermo-hygrometer with holder. Display for indoor temperature and humidity, time and timer. Temperature unit °C/°F. Temperature range:-10 up to +50 °C (+14-122 °F), resolution 0.1 °C/°F. Humidity range: 20% to 95% with 1% resolution. Timer range: 0 to 99 min. Power supply: 2 batteries AAA 1.5 V. Dimensions: 105 x 105 x 20 mm

| reference | range | readability | pcs/ pack | price/ pack |
|---|---|---|---|---|
| THER-D34-001 | -10 50 °C / 20 - 95% / 0 - 99 min | 0,1 °C / 1 % / 1 s | 1 | |

## DIGITAL INDOOR/OUTDOOR THERMOMETER DC105

METRIA

CE

Thermo-hygrometer with table holder. Double display for indoor and outdoor temperature. Sensor probe cable for outdoor long 1 m. Temperature unit °C/°F. Indoor temperature range: -10 up to +50 °C (+14-122 °F), resolution 0.1 °C/°F. Outdoor temperature range: -50 up to +90 °C (-58+194 °F), resolution 0.1 °C/°F. Humidity mesuring range: 20% to 90% with 1% resolution. Functions: maximum temperature, minimum temperature and comfort area. Power supply: 1 battery cell AAA 1.5 V. Dimensions: 98 x 58 x 13 mm, weight 78 g. CE certification




| reference | range | precision | pcs/ pack | price/ pack |
|---|---|---|---|---|
| THER-D32-001 | -50 +90 °C | ± 1 °C | 1 | |

## DIGITAL INDOOR/OUTDOOR THERMO-HYGROMETER HC-520

METRIA

CE

Thermo-hygrometer with holder. Display for indoor and outdoor temperature and indoor humity. Sensor probe cable for outdoor long 1 m. Temperature unit °C/°F. Indoor temperature range: -10 up to +50 °C (+14-122 °F), resolution 0.1 °C/°F. Outdoor temperature range: -50 up to +70 °C (-58+158 °F), resolution 0.1 °C/°F. Humidity mesuring range: 20% to 90% with 1% resolution. Memory for MAX/MIN value of temperature and humidity and "RESET" button in the front panel. Power supply: 1 battery AAA 1.5 V. Dimensions: 98 x 75 x 18 mm




| reference | range | readability | pcs/ pack | price/ pack |
|---|---|---|---|---|
| THER-D35-001 | -50 70 °C / 20 - 90% | 0,1 °C / 1 % | 1 | |

## DIGITAL THERMO-HYGROMETER FOR REFRIGERATORS/FREEZERS, C602

METRIA

CE

Thermo-hygrometer with holder and magnet for an easy installation on the outside of refrigerators/freezers. Display that shows indoor and outdoor temperature and humidity. 1 m long sensor probe cable. Temperature unit °C/°F. Indoor temperature range: -10 up to +50 °C (+14 +122 °F), resolution 0.1 °C/°F. Outdoor temperature range: -40 up to +70 °C (-40 +158 °F), resolution 0.1 °C/°F. Relative humidity measuring range: 20% to 95% with 1% resolution. User-definable alarm function of maximum and minimum temperatures. LED alarm indicator. Power supply: 1 battery LR44 1.5 V. Dimensions: 65 x 59 x 18 mm




| reference | range | readability | accuracy | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| THER-D36-001 | -40 70 °C / 20 - 95 % | 0,1 °C / 1 % | ±1 °C / ±5 % | 1 | |

## PORTABLE DIGITAL THERMO-HYGROMETER, HY-8

METRIA

CE

Portable thermo-hygrometer, easy to use. Display for temperature and humidity. Temperature unit °C/°F. Temperature range: -10 up to +50 °C (+14 +122 °F), resolution 0.1 °C/°F. Humidity measuring range: 20% to 99% with 1% resolution. Memory for MAX/MIN value of temperature and humidity. Power supply : 1 battery AAA 1.5 V. Dimensions: 172 x 33 mm



| reference | range | precision | pcs/ pack | price/ pack |
|---|---|---|---|---|
| THER-D37-001 | -10 +50 °C | 0,1 ºC/ 1 % | 1 | |

METRIA

## DIGITAL THERMO-HYGROMETER FOR CULTIVATION, D100



Thermo-hygrometer for soil and plant environment study. Displays ambient temperature, soil temperature, humidity and solar intensity. Temperature unit °C/°F. Soil temperature range:-20 up to 70°C (-4 +158°F), resolution 0.1 °C/°F. Ambient temperature range:-10 up to 50°C (+14 +122°F), resolution 0.1 °C/°F. Humidity measurement range: 20% to 99%, resolution 1%. Comfort level indication function. Power supply : 1 battery 9V. Dimensions: 368 x 83 mm

| reference | range | precision | pcs/ pack | price/ pack |
|---|---|---|---|---|
| THER-D38-001 | -20 +70 ºC / -10 +50 ºC / 20 % - 99 % | 0,1 ºC / 1 % | 1 | |

TFA

## INFRARED LASER DIGITAL THERMOMETER, -33 ºC UP TO 500 ºC



Range: -33 °C up to +500 °C. Accuracy: 1 °C or ±1% from +15 °C and +35 °C, for the remaining temperatures 2 °C or ±2%. Laser pointer type II, answer time 1 second. Optical resolution: 12:1. Illuminated screen. Operating environment: 0 +50 °C. Dimensions: 175 x 80 x 39 mm, weight 180 g. Power supply: 2 battery cells 1,5 V AAA. Bag included. 2-year warranty

| reference | range | precision | pcs/ pack | price/ pack |
|---|---|---|---|---|
| THER-L03-001 | -33 +500 ºC | ± 1 ºC / ± 2 ºC | 1 | |

## BATTERIES

For office and laboratory equipment



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| BTTY-D3A-010 | Duracell Industrial LR03 (AAA) alkaline battery case, 10 pcs | 10 | |
| BTTY-D2A-010 | Duracell Industrial LR06 (AA) alkaline battery case, 10 pcs | 10 | |
| BTTY-KCR-005 | Kodak CR2032 lithium button cell battery, in strips, 5 pcs | 5 | |
| BTTY-VLR-010 | Vinnic LR44 alkaline battery, in strips, 10 pcs | 10 | |
| BTTY-F36-001 | Fullwat 3,6 V ER14250 (1/2AA) lithium battery | 1 | |

METRIA

## DATA LOGGER FOR TEMPERATURE MEASUREMENT



Temperature data logger that can store up to 48.000 readings. Temperature measuring range: -30 °C up to 70 °C, resolution 0,1 °C and accuracy ±0,5 °C. LED display and alarm, minimum, maximum and mark function. EN 12830. Integrated USB that can download data to PC and generates PDF/Excel reports automatically containing summary, graphs and detailed data. Completely programmable: 6 languages, sampling interval, start delay, alarm delay, unit, alarm range, alarm type, password and user name. IP65 (88161) and IP67 (88160). 88161 allows the connection of an external temperature probe (not included). Power supply: 2 x 3,0 V CR2032 (included). 9 month battery life time. 2-year warranty



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| DLOG-00T-001 | 88160 (-30 °C + 70 °C) | 1 | |
| DLOG-02T-001 | 88161 (-30 °C + 70 °C) | 1 | |
| Accessories | | | |
| DLOG-A01-001 | External probe, 2 cm, for 88161, without handle. Cable length: 200 cm (probe Ø 3.8 mm) | 1 | |
| DLOG-A02-001 | External probe, 15 cm, for 88161, without handle. Cable length: 116 cm (probe Ø 3.8 mm) | 1 | |

## DATA LOGGER FOR TEMPERATURE, HUMIDITY AND PRESSURE MEASUREMENT

METRIA

Temperature, RH and barometric pressure (only on model 88163) data logger that can store up to 48.000 readings. Temperature measuring range:-30 °C up to 70 °C, resolution 0,1 °C and accuracy ±0,5 °C. Humidity range: 0,1- 99% RH (0,1% resolution and 3% accuracy). Barometric pressure (88163): 300- 1100 hPa (resolution 0,1 hPa and 3 hPa accuracy). LED display and alarm, minimum, maximum and mark function. EN 12830. Integrated USB that can download data to PC and generates PDF/Excel reports automatically containing summary, graphs and detailed data. Completely programmable: 6 languages, sampling interval, start delay, alarm delay, unit, alarm range, alarm type, password and user name. IP65 (does not include sensor area). Power supply: 2 x 3,0 V CR2032 (included). 9 month battery life time. 2-year warranty





| reference | range | model | pcs/ pack | price/ pack |
|---|---|---|---|---|
| DLOG-0HT-001 | -30 °C 70 °C / 0,1 - 99 % RH | 88162 | 1 | |
| DLOG-PHT-001 | -30 °C 70 °C / 0,1 - 99 % RH / 300-1100 hPa | 88163 | 1 | |

## DATA LOGGER FOR ULTRA LOW TEMPERATURES, UL-2

METRIA

Designed to withstand low temperatures. Can store up to 48,000 readings (24,000 internal and 24,000 external). Body working temperature: -30 °C up to 70 °C, resolution 0.1 °C and accuracy ±0.5 °C. Pt1000 probe working temperature:-100 °C +120 °C. LED display and alarm, minimum, maximum and mark function. EN 12830. Integrated USB that can download data to PC and generates PDF/Excel reports automatically containing summary, graphs and detailed data. Completely programmable: 6 languages, sampling interval, start delay, alarm delay, unit, alarm range, alarm type, password and user name. IP65. Available with glycol vial (reference DLOG-UL2-001). Power supply: 2 x 3.0 V CR2032 (included). 3 month battery life time. Warranty 2 years





| reference | range | model | pcs/ pack | price/ pack |
|---|---|---|---|---|
| DLOG-UL1-001 | -30 °C +70 °C / -100 °C +120 °C | 88164 | 1 | |
| DLOG-UL2-001 | -30 °C +70 °C / -100 °C +120 °C | 88164 (with vial for glycol) | 1 | |

## DATA LOGGER FOR HIGH TEMPERATURES, HT-2

METRIA

Designed to withstand high temperatures. 304 stainless steel. Can store up to 48,000 readings. Interval between 1 s and 120 min. Working temperature:-40 °C + 140 °C, precision ± 0.4 °C, resolution 0.1 °C. Integrated USB that can download data to PC and generates PDF/Excel reports automatically containing summary, graphs and detailed data. Completely programmable: 6 languages, sampling interval, start delay, unit, password and user name. IP68. Power supply: 3.6V high temperature lithium battery. Weight: 175g. 2-year warranty



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| LOGT-HI2-001 | data logger for high temperature, HT-2 | 1 | |
| Accessories and spare parts | | | |
| LOGT-HA5-001 | battery and 13 replacement seals | 1 | |




## *THERMO DATA LOGGER WITH INTERNAL SENSOR

Thermo data logger that can store up to 16.240 readings. Range:-40 °C up to 70 °C, resolution 0.1 °C and accuracy ±0.3°C from -10 °C to 70°C, for the remaining temperatures ±0.5°C. Large LCD displays the minimum, maximum, average and time out of specifications. Data can be downloaded to PC with mini USB cable (included) and activation through push button. No interface or proprietary software required, only a PDF reader. IP65. Power supply: 3V Lithium battery. Warranty 2 years

| reference | range | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| LOGT-16K-001 | -40 +70 ºC | 16.240 readings | 1 | |




## *DATA LOGGER ILOG SERIES WITH INTERNAL TEMPERATURE AND HUMIDITY SENSOR

32000 readings. Temperature measuring range -40°C to 70°C, resolution 0.1°C and accuracy ±0.3°C. Humity measuring range 2% to 98%, resolution 0.1% and accuracy ±3%. LCD displays the minimum, maximum, average and time out of specifications. Data can be downloaded to PC with LOGH-A01-001 (not included) and managed with Console Plus software. IP51. Power supply: 3,6V Lithium battery LS14250 1/2AA. Warranty 2 years

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| LOGH-32K-001 | data logger iLOG | 1 | |
| Spare parts | | | |
| LOGH-A01-001 | interface USB connection for iLOG series includes Console Plus software | 1 | |




## *THERMO DATA LOGGER WITH INTERNAL TEMPERATURE AND HUMIDITY SENSOR, LOG210

Temperature and humidity data logger that can store up to 100.000 readings. Temperature measuring range: -40 °C up to 70 °C, resolution 0,1 °C and accuracy ±0,5 °C from -10 °C to 40 °C, for the remaining temperatures ±1 °C. Humidity measuring range: 0% to 100% with 0,1% resolution and accuracy ±3% from 40 to 60%, for the remaining range ±5%. Large LCD displays the minimum, maximum and average. Integrated USB that can download data to PC and activation through push button. Generates data PDF reports automatically. Includes software and wall mount device. IP65. Power supply: 3,6 V Lithium battery. Warranty 2 years

| reference | range | pcs/ pack | price/ pack |
|---|---|---|---|
| LOGH-210-001 | -40 70 °C / 0 - 100 % RH | 1 | |





## *DATA LOGGER FOR TEMPERATURE MEASUREMENT, BUTTON TYPE

Temperature data logger that can store up to 8.192 readings. Registers date and time, programmable alarms with timing levels and countdown. Interval between 5 min and 243 h. Waterproof. Stainless steel capsule. ISO 17025. Battery life: 10 years max. between -30 and 50 °C (LOGT-BT1-001) and 30-50 sterilization cycles (LOGT-BT2-001) starting at 25 °C, holding at 121 °C for 15 min. and returning to 25 °C. 16 x 6 mm (Ø x h). Accuracy: ± 0.5 °C. Requires software and USB reader (not included). Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| LOGT-BT1-001 | range: (-40 to +85 °C) resolution: ± 0.5 °C | 1 | |
| LOGT-BT2-001 | range: (0 to +125 °C) resolution: ± 0.1 °C | 1 | |
| Accessories | | | |
| LOGT-BP1-001 | software for only one button and USB reader | 1 | |
| LOGT-BP2-001 | software for up to five buttons and USB reader | 1 | |
| LOGT-BP3-001 | software for unlimited buttons and USB reader | 1 | |
| LOGT-BTA-001 | protection capsule for button type logger up to +140 °C | 1 | |

## DIGITAL THERMOHYGROMETER WITH REMOTE SENSOR

TFA

Sending the data through radio from a remote probe. Temperature measuring range indoor: -10°C to 50°C, resolution 0.1°C, outdoor:-20°C to 50°C, resolution 0.1°C. Humity measuring range: indoor 20% to 95%, resolution 1%, outdoor 20% to 99%, resolution 1%. Includes remote sensor with transmission range up to 30 m (open space). Maximum and minimum record with auto-reset every 24h. Power supply: 2x AAA batteries (not included). Dimensions: 137 x 97 x 19 mm



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| HIGR-D23-001 | digital thermohygrometer with remote sensor | 1 | |
| Accessories | | | |
| HIGR-A23-001 | additional remote sensor | 1 | |

## *PORTABLE THERMOMETER, TEMP 7 VIO PT100 MODEL

XS

3 WARRANTY

Range:-200 °C up to +999 °C, resolution 0.2 °C from 99,9 °C up to +199.9 °C (2 °C for the remaining temperatures). Probe included (Warning: probe measurements limits may be different than the thermometer). Functions: stability indicator, maximum, minimum, hold and automatic switch off. LCD screen. Battery life: 550 hours. Dimensions: 185 x 85 x 45 mm, weight 400 g. Includes a rubber cover and transportation case. IP56. Warranty 3 years. Delivery 1 week



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| THER-D22-001 | thermometer with immersion probe Ø3 x 200 mm, -50 up to +400 °C | 1 | |
| THER-D26-001 | thermometer with penetration probe Ø4 x 150 mm, -50 up to +400 °C | 1 | |

## BASIC DIGITAL CALIPER, CAD-1

METRIA

2 WARRANTY

Allows the measurement of internal diameters, external diameters and depths. ABS housing, resistant to corrosion and wear, with a smooth surface. Range: 0 - 150 mm. Resolution: 0.1 mm. Accuracy: ±0.2 mm. Power supply: 1 battery LR44 type 1.5V (not included). Case included. 2-year warranty



| reference | range | readability | pcs/ pack | price/ pack |
|---|---|---|---|---|
| CALI-D01-001 | 0 - 150 mm | 0,1 mm | 1 | |

## COMMERCIAL GRADE DENSITY HYDROMETERS

METRIA

Made of glass. Not standardized. Reading below meniscus. Calibrated at 20°C. Unit: g/ml. These instruments are not delivered with calibration certificates



| reference | range (g/ml) | accuracy (g/ml) | division (g/ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| HYDR-06M-001 | 0,600 - 0,700 | ±0,001 | 0,001 | 1 | |
| HYDR-07M-001 | 0,700 - 0,800 | ±0,001 | 0,001 | 1 | |
| HYDR-08M-001 | 0,800 - 0,900 | ±0,001 | 0,001 | 1 | |
| HYDR-09M-001 | 0,900 - 1,000 | ±0,001 | 0,001 | 1 | |
| HYDR-10M-001 | 1,000 - 1,100 | ±0,001 | 0,001 | 1 | |
| HYDR-11M-001 | 1,100 - 1,200 | ±0,001 | 0,001 | 1 | |
| HYDR-HLM-001 | 1,000 - 2,000 | ±0,01 | 0,01 | 1 | |

METRIA

## BAUME HYDROMETERS

Made of glass. Unit: °Bé. Calibrated at 20°C. These instruments are not delivered with calibration certificates



| reference | range (°Be) | accuracy (g/ml) | division (g/ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| HYBE-01M-001 | 0 - 10 | ±0,1 | 0,1 | 1 | |
| HYBE-02M-001 | 10 - 20 | ±0,1 | 0,1 | 1 | |
| HYBE-03M-001 | 20 - 30 | ±0,1 | 0,1 | 1 | |
| HYBE-04M-001 | 30 - 40 | ±0,1 | 0,1 | 1 | |
| HYBE-05M-001 | 40 - 50 | ±0,1 | 0,1 | 1 | |
| HYBE-06M-001 | 50 - 60 | ±0,1 | 0,1 | 1 | |
| HYBE-07M-001 | 60 - 70 | ±0,1 | 0,1 | 1 | |

## BAUME HYDROMETERS

Unit: °Bé. Length: 280 mm. Calibrated at 15°C or 20°C. These instruments are not delivered with calibration certificates



| reference | range (°Be) | accuracy (°Be) | division (°Be) | T.S. (mN/m) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| Calibrated at 15ºC | | | | | | |
| HYBE-010-001 | 0 - 10 | ±0,2 | 0,1 | 55 | 1 | |
| HYBE-020-001 | 10 - 20 | ±0,2 | 0,1 | 55 | 1 | |
| HYBE-030-001 | 20 - 30 | ±0,2 | 0,1 | 55 | 1 | |
| HYBE-040-001 | 30 - 40 | ±0,2 | 0,1 | 75 | 1 | |
| HYBE-050-001 | 40 - 50 | ±0,2 | 0,1 | 75 | 1 | |
| HYBE-060-001 | 50 - 60 | ±0,2 | 0,1 | 75 | 1 | |
| HYBE-070-001 | 60 - 70 | ±0,2 | 0,1 | 75 | 1 | |
| Calibrated at 20ºC | | | | | | |
| HYBE-210-001 | 0 - 10 | ±0,2 | 0,1 | 55 | 1 | |
| HYBE-220-001 | 10 - 20 | ±0,2 | 0,1 | 55 | 1 | |

## QUEVENNE MILK HYDROMETER

Made of glass. Compared to conventional hydrometers, it offers a more accurate option as its scale is adapted to the range of milk. For opaque liquids like milk, the reading is taken above the meniscus. Calibrated at 20°C. Unit: g/ml. Length: 225 mm. This instrument is not delivered with calibration certificate



| reference | range (g/ml) | accuracy (g/ml) | division (g/ml) | T.S. (mN/m) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| LACD-Q01-001 | 1,015 - 1,040 | ±0,002 | 0,001 | 45 | 1 | |

## WINE HYDROMETER, TRIPLE SCALE

Made of glass. The instrument allows measuring three parameters. Scale 1: density (g/ml); division 0.001. Scale 2: Baumé degrees (°Bé); division 0.5. Scale 3: volumetric alcohol degree (%vol); division 0.5. Calibrated at 20°C. Length: 290 mm. This instrument is not delivered with calibration certificate



| reference | scale 1 | scale 2 | Scale 3 | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| MUST-B01-001 | 0,980 - 1,130 g/ml | 0 - 16 ºBé | 3 - 17 %vol | 1 | |

## QUÉVENNE MILK THERMO-HYDROMETER

Made of glass. Compared to conventional hydrometers, it offers a more accurate option as it has a scale suitable for the range of milk. The instrument has the thermometer scale placed at the top, making reading easier despite the opacity of the milk. For opaque liquids like milk, the reading is taken above the meniscus. Calibrated at 20°C. Units: °C and g/ml. Length: 250 mm. This instrument is not delivered with calibration certificate

| reference | range (g/ml) | accuracy (g/ml) | division (g/ml) | T.S. (mN/m) | gamme (°C) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| LACD-QT1-001 | 1,015 - 1,040 | ±0,001 | 0,001 | 45 | 0 - 40 | 1 | |



## HIGH PRECISION ALCOHOLOMETER, ALLA FRANCE

Made of glass. According to ISO 4801 and NF B 35-515 standards. Class II. Calibrated at 20 °C. Unit: ethanol in %vol. Length: 350 mm, Ø 30 mm. These instruments are delivered with a certificate of conformity

| reference | range (%vol) | accuracy (%vol) | division (%vol) | T.S. (mN/m) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| ALCO-000-001 | 0 - 10 | ±0,1 | 0,1 | 72,6 | 1 | |
| ALCO-010-001 | 10 - 20 | ±0,1 | 0,1 | 50,5 | 1 | |
| ALCO-020-001 | 20 - 30 | ±0,1 | 0,1 | 41,4 | 1 | |
| ALCO-030-001 | 30 - 40 | ±0,1 | 0,1 | 35,4 | 1 | |
| ALCO-040-001 | 40 - 50 | ±0,1 | 0,1 | 31,7 | 1 | |
| ALCO-050-001 | 50 - 60 | ±0,1 | 0,1 | 29,4 | 1 | |
| ALCO-060-001 | 60 - 70 | ±0,1 | 0,1 | 27,9 | 1 | |
| ALCO-070-001 | 70 - 80 | ±0,1 | 0,1 | 26,7 | 1 | |
| ALCO-080-001 | 80 - 90 | ±0,1 | 0,1 | 25,6 | 1 | |
| ALCO-090-001 | 90 - 100 | ±0,1 | 0,1 | 24,2 | 1 | |



## RESEARCH ALCOHOMETER

Made of glass. Seeker type alcoholometer. Calibrated at 20 °C. Length 295 mm, Ø 17.5 mm. Double scale. Scale 1: division 1 %. Scale 2: division 0.5°. Does not include certificate

| reference | scale 1 | scale 2 | pcs/ pack | price/ pack |
|---|---|---|---|---|
| ALCO-RFM-001 | 0-100 %Vol/GL/Tralles | 10-44° Cartier | 1 | |



## VINOMETER

Made of glass. The instrument allows determining the ethanol concentration in wines and has an adapted measuring range from 0 to 25%. Calibrated at 20°C. Unit: ethanol in %vol. Length: 133 mm. This instrument is not delivered with calibration certificate

| reference | range (%vol) | accuracy (%vol) | division (%vol) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| VINO-B01-001 | 0 - 25 | ±2 | 1 | 1 | |





## METRIA MECHANICAL TIMER 60 MINUTES

Countdown mechanical timer with alarm

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| TIME-M01-001 | mechanical timer, 60 min | 1 | |




## METRIA COUNTDOWN TIMER AND CLOCK 24 HOURS

Clock function, timer countdown up to 23 h 59' 59'' with alarm and chronometer. Three hold positions: with a magnet in metallic surfaces, with a clothing pin and with a kickstand to remain standing. Power supply: 1 battery LR44 (included)

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| TIME-W24-001 | 24 h clock watch digital timer | 1 | |
| 10 units "Saving package" | | | |
| TIME-W24-010 | 24 h clock watch digital timer | 10 | |



## METRIA COUNTDOWN TIMER 100 MINUTES

Timer countdown up to 99' 59'' with alarm. Three hold positions: with a magnet in metallic surfaces, with a clothing pin and with a kickstand to remain standing. Power supply: 1 battery LR44 (included)

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| TIME-100-001 | 100 minutes digital timer | 1 | |
| 10 units "Saving package" | | | |
| TIME-100-010 | 100 minutes digital timer | 10 | |




## METRIA DIGITAL CHRONOMETER RS-808

Functions: digital chronometer, watch 12/24, alarm, calendar, week system, alarm. Chronometer resolution: 1/100" for the first 30 minutes of timing, and then in 1 second increment up to maximum of 24 hours. Accumulated time (Split) and 2 memories. Power supply: 2 batteries LR44 (included)

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| TIME-D05-001 | RS-808 digital chronometer | 1 | |




## METRIA DIGITAL CHRONOMETER, RS-021

Functions: chronometer, countdown, watch, alarm, calendar. Total time 23 h 59' 59.99", 1/100" intervals. 2 memories. Digital LCD display and lanyard to hang on your neck. Waterproof (IP67). Power supply: 1 battery LR44 (included). Dimensions: 84 x 64 x 20 mm, weight 56 g

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| TIME-D06-001 | digital chronometer, RS-021 | 1 | |

## PORTABLE DIGITAL REFRACTOMETER

METRIA

Digital hand-held refractometer with Automatic Temperature Compensation (ATC) 5 to 40 °C, automatic power management and high precision. Temperature measurement range from 0 to 40 °C (0,5 °C accuracy). Large backlit colour TFT display, user-defined zero setting function, ergonomic durable design and anti-interference from light. Measurement of Brix grade, refractive index (RI), Oechsle, mass S/W, probable alcohol (AP) and KMW (Babo). Net weight 200g, power supply 2 x AAA (1,5 V). Compliance with IP65 standards, CE and ROHS. 2-year warranty



| reference | model | type (range, precision) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PDRF-R45-001 | RSD200 | Brix (0 – 45 %, ±0,2 %) / RI (1,3330 – 1,4098, ±0,0003) | 1 | |
| PDRF-R85-001 | RSD500 | Brix (0 – 85 %, ±0,5 %) / RI (1,3330 – 1,5100, ±0,0005) | 1 | |
| PDRF-RM5-001 | RSD205 | Oe Germany (3 – 150 / ±1) / Oe Swiss (0 – 150 / ±1) / Mass S/W (0 – 35 % / ±0,2) / Vol AP (0 – 22 % / ±0,2) / KMW (0 – 25 / ±0,2) | 1 | |

## ABBE ANALOGUE REFRACTOMETER -RST111

METRIA

ABBE analogue refractometer for measuring refractive index (RI), Brix grade and Temperature with good accuracy and a wide measurement range. Very easy to move thanks to its reduced dimensions (31x23x12cm) and weight (2.85 kg) and also very easy to use. Includes high resistant aluminium portable case for transportation, special purpose thermometer, screwdriver, standard sample and naphtalene bromide. 2-year warranty



| reference | type (range, precision) | pcs/ pack | price/ pack |
|---|---|---|---|
| ABRF-111-001 | RI (1,30000 - 1,70000, ± 0,0005) / Brix (0 - 95 %, ±0,25 %) / Temp. (0 - 60°C, ±1°C) | 1 | |

## PORTABLE ANALOGUE REFRACTOMETER

METRIA

Analogue hand-held refractometer with Automatic Temperature Compensation (ATC) and high precision. Anti-rolling design, comfortable eyepiece with perfect fit, easy-to-clean prism and protective flap for the prism opening. Measures: Brix grade, Probable Alcohol, specific gravity, Baume grade and KMW grade (Babo). Includes case with screwdriver and pipette. 2-year warranty



| reference | type | type (range, precision) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PREF-B20-001 | Brix | Brix (0 – 20 %, ±0,1%) | 1 | |
| PREF-B32-001 | Brix | Brix (0 – 32 %, ±0,2%) | 1 | |
| PREF-B50-001 | Brix | Brix (0 – 50 %, ±0,5%) | 1 | |
| PREF-B82-001 | Brix | Brix (45 – 82 %, ±0,5%) | 1 | |
| PREF-B92-001 | Brix | Brix (58 – 92 %, ±0,2%) | 1 | |
| PREF-WN1-001 | Wine | Oe (0 – 140, ±1) / KMW (Babo) (0 – 25, ±0,2) / Mas Sacch (0 – 32 %, ±0,2%) | 1 | |
| PREF-WN5-001 | Wine | Oe (0 – 190, ±2) / KMW (Babo) (0 – 38, ±0,5) / Brix (0 – 44 %, ±0,5%) | 1 | |
| PREF-WN7-001 | Wine | Oe (30 – 140, ±1) / KMW (Babo) (0 – 25, ±0,2) / Brix (0 – 32 %, ±0,2%) | 1 | |
| PREF-AL6-001 | Alcohol (AP) | %vol (0 – 25 %, ±0,2%) / Baumé (0 – 20, ±0,2) / Brix (0 – 40 %, ±0,2%) | 1 | |
| PREF-AL7-001 | Alcohol (AP) | Brix (0 – 32 %, ±0,2%) / sg (1.000 – 1.120, ±0,001) | 1 | |



## METRIA DIGITAL VISCOMETER, VD2M

Instrument used for measuring viscosity. Available with four (VISC-2M0-001) or five rotors (VISC-2M1-001). Measurement range between 1 mPa·s (0.1 mPa·s with rotor 0) and 2,000,000 mPa·s, accuracy of ±5% (Newtonian liquid). Speed of 0,3 / 0,6 / 1,5 / 3 / 6 / 12 / 30 / 60 rpm. Temperature probe included. External dimensions (L x W x H): 370 x 325 x 280 mm. 110-230 V / 50-60 Hz. Warranty 2 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| VISC-2M0-001 | viscometer, VD2M, with rotors 1 to 4 | 1 | |
| VISC-2M1-001 | viscometer, VD2M, with rotors 0 to 4 (calibrated for rotor 0) | 1 | |
| Accessories and spare parts | | | |
| VISC-A00-001 | rotor 0 | 1 | |
| VISC-A01-001 | rotor 1 | 1 | |
| VISC-A02-001 | rotor 2 | 1 | |
| VISC-A03-001 | rotor 3 | 1 | |
| VISC-A04-001 | rotor 4 | 1 | |
| VISC-A05-001 | temperature probe | 1 | |



## ONDA *SPECTROPHOTOMETER, VISIBLE, ONDA V-10 PLUS

For education, general use and routine analysis. Components that guarantee an excellent performance. Wavelength lecture directly on the screen. Auto zero and blank. Measurement of absorbance, transmittance and concentration. Quantitative: standard curve and coefficient methods. Pre-aligned lamp design, which ensures an easy exchange by the user. Includes software to extend the applications to the curve and standard kinetics. LCD screen (128 x 64 pixels). Sheath. Trackable Standard DAkkS Certificate.Wavelength range: 325 - 1000 nm. Bandwidth: 4 nm. Optical system: single beam. Grid: 1200 lines/mm. Wavelength accuracy: ± 2 nm. Repeatability: ± 1 nm. Resolution: 0,5 nm. Photometric mode: %T, Abs, Conc and Factor. Detector: silicon photodiode. Standard cell holder for 4 square 10 mm cells (4 optical glass cells included). Light source: tungsten. Lamp lifespan: 2000 hours approx. USB port (for PC remote control) and parallel port (for direct printing). Optional: professional software for data exportation to spreadsheet, color intensity analysis and tonality according to specific methods for OIV-MA-AS2-07B wines (SPTR-A01-001). Weight: 8 kg. Dimensions (mm): 440 x 360 x 180. 85-265 V / 50-60 Hz. Warranty 2 years. Delivery time 3 weeks. See the spare parts available for this spectrophotometer and the data sheet on our website

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SPTR-V01-001 | spectrophotometer, visible, ONDA V-10 PLUS | 1 | |
| Accessories | | | |
| SPTR-A01-001 | professional software, specific for wine | 1 | |
| SPTR-A02-001 | thermal printer for ONDA spectrophotometers | 1 | |
| SPTR-A03-001 | support for tubes with a diameter of 8 to 24 mm and a maximum height of 110 mm; light beam height at 3.5 cm from the bottom | 1 | |
| Spare parts | | | |
| SPTR-A04-001 | halogen replacement lamp | 1 | |

## STANDARD (MACRO) SPECTROPHOTOMETER CUVETTE WITH PTFE LID

METRIA

Available in quartz (LB Q) for use within 200- 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320- 2500 nm



| reference | composition | light path | internal width | vol. | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| Made of quartz | | | | | | |
| MALQ-001-002 | LB Q | 1 mm | 10 mm | 0,35 ml | 2 | |
| MALQ-002-002 | LB Q | 2 mm | 10 mm | 0,7 ml | 2 | |
| MALQ-005-002 | LB Q | 5 mm | 10 mm | 1,7 ml | 2 | |
| MALQ-010-002 | LB Q | 10 mm | 10 mm | 3,5 ml | 2 | |
| MALQ-020-002 | LB Q | 20 mm | 10 mm | 7 ml | 2 | |
| MALQ-040-002 | LB Q | 40 mm | 10 mm | 14 ml | 2 | |
| MALQ-050-002 | LB Q | 50 mm | 10 mm | 17,5 ml | 2 | |
| MALQ-100-001 | LB Q | 100 mm | 10 mm | 35,0 ml | 1 | |
| Made of optical glass | | | | | | |
| MALG-001-002 | LB OG | 1 mm | 10 mm | 0,35 ml | 2 | |
| MALG-002-002 | LB OG | 2 mm | 10 mm | 0,7 ml | 2 | |
| MALG-005-002 | LB OG | 5 mm | 10 mm | 1,7 ml | 2 | |
| MALG-010-002 | LB OG | 10 mm | 10 mm | 3,5 ml | 2 | |
| MALG-020-002 | LB OG | 20 mm | 10 mm | 7 ml | 2 | |
| MALG-040-002 | LB OG | 40 mm | 10 mm | 14 ml | 2 | |
| MALG-050-002 | LB OG | 50 mm | 10 mm | 17,5 ml | 2 | |
| MALG-100-001 | LB OG | 100 mm | 10 mm | 35,0 ml | 1 | |



## SEMI-MICRO SPECTROPHOTOMETER CUVETTE WITH PTFE LID

METRIA

Available in quartz (LB Q) and optical glass (LB OG)Available in quartz (LB Q) for use within 200- 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320- 2500 nm



| reference | composition | light path | internal width | vol. | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SMLQ-010-002 | LB Q | 10 mm | 4 mm | 1,4 ml | 2 | |
| SMLG-010-002 | LB OG | 10 mm | 4 mm | 1,4 ml | 2 | |

## MICRO SPECTROPHOTOMETER CUVETTE WITH PTFE LID

METRIA

Available in quartz (LB Q) for use within 200- 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320- 2500 nm



| reference | composition | light path | internal width | vol. | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MILQ-010-002 | LB Q | 10 mm | 2 mm | 0,7 ml | 2 | |
| MILG-010-002 | LB OG | 10 mm | 2 mm | 0,7 ml | 2 | |



## METRIA | STANDARD (MACRO) SPECTROPHOTOMETER CUVETTE WITH PTFE STOPPER

For volatile samples. Available in quartz (LB Q) for use within 200- 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320- 2500 nm

| reference | composition | light path | internal width | vol. | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MASQ-010-002 | LB Q | 10 mm | 10 mm | 3,5 ml | 2 | |
| MASG-010-002 | LB OG | 10 mm | 10 mm | 3,5 ml | 2 | |



## METRIA | SEMI-MICRO SPECTROPHOTOMETER CUVETTE WITH PTFE STOPPER

For volatile samples. Available in quartz (LB Q) for use within 200- 2500 nm (includes Ultraviolet) and optical glass (LB OG) for use within 320- 2500 nm

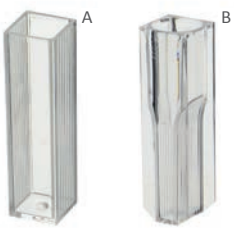
| reference | composition | light path | internal width | vol. | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| SMSQ-010-002 | LB Q | 10 mm | 4 mm | 1,4 ml | 2 | |
| SMSG-010-002 | LB OG | 10 mm | 4 mm | 1,4 ml | 2 | |



## METRIA | MICRO SPECTROPHOTOMETER CUVETTE WITH PTFE STOPPER

For volatile samples. Available in quartz (LB Q) for use within 200- 2500 nm (includes Ultraviolet)

| reference | composition | light path | internal width | vol. | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MISQ-010-002 | LB Q | 10 mm | 2 mm | 0,7 ml | 2 | |




## METRIA | DISPOSABLE SPECTROPHOTOMETER CUVETTE

Available in optical polystyrene (PS) for use within 340- 800 nm and in PMMA for use within 280- 800 nm

| reference | composition | light path | internal width | vol. | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|---|
| Standard (macro) type (A) | | | | | | | |
| MAPS-010-100 | PS | 10 mm | 10 mm | 4,5 ml | standard(macro)(A) | 100 | |
| MAPM-010-100 | PMMA | 10 mm | 10 mm | 4,5 ml | standard(macro)(A) | 100 | |
| Semi-micro type (B) | | | | | | | |
| SMPS-010-100 | PS | 10 mm | 4 mm | 2,5 ml | semi-micro(B) | 100 | |
| SMPM-010-100 | PMMA | 10 mm | 4 mm | 2,5 ml | semi-micro(B) | 100 | |



## METRIA | STANDARD (MACRO) FLUOROMETER CUVETTE WITH PTFE LID

Cuvette with 4 polished faces available in quartz (LB Q) or optical glass (LB OG)

| reference | composition | light path | internal width | vol. | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MALQ-F10-002 | LB Q | 10 mm | 10 mm | 3,5 ml | 2 | |
| MALG-F10-002 | LB OG | 10 mm | 10 mm | 3,5 ml | 2 | |

## STANDARD (MACRO) DISPOSABLE FLUOROMETER CUVETTE

METRIA

Cuvette with 4 polished faces available in optical polystyrene (PS) for use within 340- 800 nm and in PMMA for use within 280- 800 nm



| reference | composition | light path | internal width | vol. (ml) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| MAPS-F10-100 | PS | 10 mm | 10 mm | 4,5 ml | 100 | |
| MAPM-F10-100 | PMMA | 10 mm | 10 mm | 4,5 ml | 100 | |

## CUVETTE HOLDER

astiK's

For 12 cuvettes (path length 10 mm)



| reference | h (mm) | l (mm) | w | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CUVP-012-001 | 15 | 170 | 50 | 1 | |

## PORTABLE AIR QUALITY METER, 77532

METRIA

Measures $CO_2$ (0- 9999 ppm) and temperature (-10 + 60 °C). $CO_2$ precision: ± 30 ppm ± 5% of measurement (0- 5000 ppm) and ± 10% of the measurement for the other range. Temperature precision: ± 0,6 °C. Ideal for indoor air quality measurement (IAQ). Uses NDIR technology (non dispersive infrared detector) to ensure long-term reliability and stability. Acoustic alarms, maximum, minimum, average and hold functions. 4 AA batteries (included). Includes hard carry case. Warranty 2 years



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| IAQM-P01-001 | Portable air quality meter, 77532 | 1 | |

## AIR QUALITY METER, WALLMOUNT, 7722

METRIA

Measures $CO_2$ (0- 9999 ppm), temperature (-10 + 60 °C) and humidity (0,1- 99,9% RH). $CO_2$ precision: ± 50 ppm ± 5% of measurement (0- 2000 ppm) and ± 10% of the measurement for the other range. Temperature precision: ± 0,6 °C. Humidity precision: ± 3% RH. Ideal for indoor air quality measurement (IAQ). Uses NDIR technology (non dispersive infrared detector) to ensure long-term reliability and stability. Acoustic alarms, maximum, minimum and average functions. Universal adapter for charging. Warranty 2 years




| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| IAQM-W01-001 | Air quality meter, wallmount, 7722 | 1 | |
| Accessories | | | |
| IAQM-A01-001 | Salt bottle for 33% RH calibration | 1 | |
| IAQM-A02-001 | Salt bottle for 75% RH calibration | 1 | |

## *LABORATORY TABLE, C SHAPE





Worktop made with high resistance compact phenolic resin Fundermax Resistance², soft grey, 20 mm thick. Ideal for all types of laboratories and indispensable in physical-chemical laboratories. Tube metal frame made of cold rolled steel 60 x 30 mm with an antirust epoxy resin protection layer. With a maximum load capacity of 300 kg/ linear meter. Four adjustable support points to level the table. Delivered assembled. Warranty 5 years. Delivery time 5-7 weeks

| reference | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| LABT-C01-001 | 900 x 750 x 900 mm | without back panel | 1 | |
| LABT-C02-001 | 1200 x 750 x 900 mm | without back panel | 1 | |
| LABT-C03-001 | 1500 x 750 x 900 mm | without back panel | 1 | |
| LABT-C04-001 | 1800 x 750 x 900 mm | without back panel | 1 | |
| LABT-C11-001 | 900 x 750 x 900 mm | with back panel | 1 | |
| LABT-C12-001 | 1200 x 750 x 900 mm | with back panel | 1 | |
| LABT-C13-001 | 1500 x 750 x 900 mm | with back panel | 1 | |
| LABT-C14-001 | 1800 x 750 x 900 mm | with back panel | 1 | |

## *LABORATORY TABLE, A SHAPE





Worktop made with high resistance compact phenolic resin Fundermax Resistance², soft grey, 20 mm thick. Ideal for all types of laboratories and indispensable in physical-chemical laboratories. Tube metal frame made of cold rolled steel 60 x 30 mm with an antirust epoxy resin protection layer. With a maximum load capacity of 300 kg/ linear meter. Four adjustable support points to level the table. Delivered assembled. Warranty 5 years. Delivery time 5-7 weeks

| reference | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| LABT-A01-001 | 900 x 750 x 900 mm | without back panel | 1 | |
| LABT-A02-001 | 1200 x 750 x 900 mm | without back panel | 1 | |
| LABT-A03-001 | 1500 x 750 x 900 mm | without back panel | 1 | |
| LABT-A04-001 | 1800 x 750 x 900 mm | without back panel | 1 | |
| LABT-A11-001 | 900 x 750 x 900 mm | with back panel | 1 | |
| LABT-A12-001 | 1200 x 750 x 900 mm | with back panel | 1 | |
| LABT-A13-001 | 1500 x 750 x 900 mm | with back panel | 1 | |
| LABT-A14-001 | 1800 x 750 x 900 mm | with back panel | 1 | |

## *DOUBLE TABLE FOR LABORATORY OVENS, INCUBATORS AND FURNACES



Table for furnaces, ovens and incubators. Two heights with a separation of 74 cm. Worktop made of high resistance compact phenolic resin Fundermax Resistance² soft grey, 20 mm thick. Ideal for all types of laboratories. Tube metal frame made of cold rolled steel 40 x 40 mm with an antirust epoxy resin protection layer. Four adjustable support points to level the table. With a maximum load capacity of 300 kg. Four adjustable support points to level the table. Delivered assembled. Warranty 5 years. Delivery time: 5-7 weeks

| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| LABT-H01-001 | 900 x 750 x 1300 mm | 1 | |
| LABT-H02-001 | 1200 x 750 x 1300 mm | 1 | |
| LABT-H03-001 | 1500 x 750 x 1300 mm | 1 | |

## *WELDED CENTRAL LABORATORY TABLE

INBAUTEK

5 WARRANTY

XXL

Worktop made with high resistance compact phenolic resin Fundermax Resistance², soft grey, 20 mm thick. Ideal for all type of laboratories and indispensable in physical-chemical laboratories. Tube metal frame made of cold rolled steel 40 x 40 mm, with an antirust epoxy resin protection layer. Can be used as a support surface for laboratory instrumentation and experiment setup. With a maximum load capacity of 400 kg/linear meter. Four adjustable support points to level the table. Delivered assembled. Warranty 5 years. Delivery time 5-7 weeks



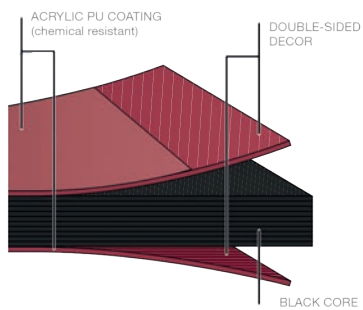
| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| LABT-M01-001 | 900 x 900 x 900 mm | 1 | |
| LABT-M02-001 | 1200 x 900 x 900 mm | 1 | |
| LABT-M03-001 | 1500 x 900 x 900 mm | 1 | |
| LABT-M04-001 | 1800 x 900 x 900 mm | 1 | |

### ULTRA-RESISTANT LABORATORY TABLES

Made with Max Resistance2, a patented material that complies with EN 438-4 standards:

- Highly robust.
- Resistant to solvents, most acids, and the most aggressive chemicals, exceeding SEFA3 standards.
- Non-porous and microporous-free material for easy disinfection.
- Inhibits bacterial growth (as effective as stainless steel or tiles), making it ideal for laboratories in the medical, biochemical, food, and pharmaceutical sectors.
- Abrasion resistance is three times higher than that of melamine or EBC (450 U), with 25% greater scratch resistance (Grade: 3-4, 4-6 N) and impact resistance of 8 mm.
- Withstands high temperatures up to 180°C and sudden thermal variations tested under EN 438-2 standards.

**MAX RESISTANCE² STRUCTURE**





## *AUXILIAR LABORATORY CABINET WITH WHEELS AND ONE DOOR

Soft grey color. Right / left door. Hinges with 270° opening. Includes a height adjustable shelf. Four wheels at the base, two with brakes. Available in two versions:
- made of melamine (19 mm thick). Fronts edged with aluminum (1 mm thick). Handle made of natural aluminum
- built with cold-rolled galvanized sheet steel (1 mm thick), finished in thermo-hardened epoxy-polyester paint
Delivered assembled with the handle inside the cabinet to avoid damage. Warranty 5 years. Delivery time: 5-7 weeks

| reference | height of work | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| LABC-751-001 | 750 mm | 450 x 520 x 635 mm | melamine | 1 | |
| LABC-901-001 | 900 mm | 600 x 520 x 805 mm | melamine | 1 | |
| LABC-7B1-001 | 750 mm | 450 x 520 x 635 mm | steel | 1 | |
| LABC-9B1-001 | 900 mm | 600 x 520 x 805 mm | steel | 1 | |



## *AUXILIAR LABORATORY CABINET WITH WHEELS, ONE DRAWER AND ONE DOOR

Soft grey color. Right / left door. Hinges with 270° opening. Includes a height adjustable shelf. Four wheels at the base, two with brakes. Available in two versions:
- made of melamine (19 mm thick). Fronts edged with aluminum (1 mm thick). Handles made of natural aluminum. Melamine drawer with guides and sides of sheet steel coated with antioxidant protection
- built with cold-rolled galvanized sheet steel (1 mm thick), finished in thermo-hardened epoxy-polyester paint. Chest of drawer with synchronized slides of high precision and total extraction, soft and silent closing
Delivered assembled with the handle inside the cabinet to avoid damage. Warranty 5 years. Delivery time: 5-7 weeks

| reference | height of work | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| LABC-752-001 | 750 mm | 450 x 520 x 635 mm | melamine | 1 | |
| LABC-902-001 | 900 mm | 600 x 520 x 805 mm | melamine | 1 | |
| LABC-7B2-001 | 750 mm | 450 x 520 x 635 mm | steel | 1 | |
| LABC-9B2-001 | 900 mm | 600 x 520 x 805 mm | steel | 1 | |



## *AUXILIAR LABORATORY CABINET WITH WHEELS AND DRAWERS

Soft grey color. Four wheels at the base, two with brakes. Available in two versions:
- made of melamine (19 mm thick). Fronts edged with aluminum (1 mm thick). Handles made of natural aluminum. Melamine drawers with guides and sides of sheet steel coated with antioxidant protection
- built with cold-rolled galvanized sheet steel (1 mm thick), finished in thermo-hardened epoxy-polyester paint. Chest of drawers with synchronized slides of high precision and total extraction, soft and silent closing
Delivered assembled with the handle inside the cabinet to avoid damage. Warranty 5 years. Delivery time: 5-7 weeks

| reference | height of work | max. n° of shelves | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| LABC-753-001 | 750 mm | 3 | 450 x 520 x 635 mm | melamine | 1 | |
| LABC-903-001 | 900 mm | 4 | 600 x 520 x 805 mm | melamine | 1 | |
| LABC-906-001 | 900 mm | 4 | 900 x 520 x 805 mm | melamine | 1 | |
| LABC-7B3-001 | 750 mm | 3 | 450 x 520 x 635 mm | steel | 1 | |
| LABC-9B3-001 | 900 mm | 4 | 600 x 520 x 805 mm | steel | 1 | |
| LABC-9B4-001 | 900 mm | 4 | 900 x 520 x 805 mm | steel | 1 | |

## *AUXILIAR LABORATORY CABINET WITH WHEELS AND TWO DOORS

Soft grey color. Hinges with 270° opening. Includes a height adjustable shelf. Four wheels at the base, two with brake. Available in two versions:
- made of melamine (19 mm thick). Fronts edged with aluminum (1 mm thick). Handles made of natural aluminum
- built with cold-rolled galvanized sheet steel (1 mm thick), finished in thermo-hardened epoxy-polyester paint
Delivered assembled with the handle inside the cabinet to avoid damage. Warranty 5 years. Delivery time: 5-7 weeks



| reference | height of work | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| LABC-904-001 | 900 mm | 900 x 520 x 805 mm | melamine | 1 | |
| LABC-9B5-001 | 900 mm | 900 x 520 x 805 mm | steel | 1 | |

## *AUXILIAR LABORATORY CABINET WITH WHEELS, ONE DRAWER AND TWO DOORS

Soft grey color. Hinges with 270° opening. Includes a height adjustable shelf. Four wheels at the base, two with brake. Available in two versions:
- made of melamine (19 mm thick). Fronts edged with aluminum (1 mm thick). Handles made of natural aluminum. Drawer with guides and sides of sheet steel coated with antioxidant protection
- built with cold-rolled galvanized sheet steel (1 mm thick), finished in thermo-hardened epoxy-polyester paint. Chest of drawers with synchronized slides of high precision and total extraction, soft and silent closing Delivered assembled with the handle inside the cabinet to avoid damage. Warranty 5 years. Delivery time: 5-7 weeks



| reference | height of work | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| LABC-905-001 | 900 mm | 900 x 520 x 805 mm | melamine | 1 | |
| LABC-9B6-001 | 900 mm | 900 x 520 x 805 mm | steel | 1 | |

## *HANGING TOP FURNITURE

Soft grey color. Made of melamine (19 mm thick). Fronts edged with aluminium (1 mm thick). The doors may be blind folding melamine or sliding glass doors. Doors with 270° opening hinges. Includes a height adjustable shelf. Delivered assembled with the handle inside the cabinet to avoid damage. Warranty 5 years. Delivery time: 5-7 weeks



| reference | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| LABC-607-001 | 600 x 350 x 700 mm | 1 blind folding door | 1 | |
| LABC-907-001 | 900 x 350 x 700 mm | 2 blind folding doors | 1 | |
| LABC-6V7-001 | 600 x 350 x 700 mm | 1 folding glass door | 1 | |
| LABC-9V7-001 | 900 x 350 x 700 mm | 2 sliding glass | 1 | |

## *TALL LABORATORY FURNITURE

Soft grey color. Madeof melamine (19 mm thick). Fronts edged with aluminium (1 mm thick). The doors may be blind folding melamine or glass doors. Hinges with 270 ° opening. Includes three height adjustable shelves, made of melamine (19 mm thick). Delivered assembled except for glass doors. Warranty 5 years. Delivery time: 5-7 weeks



| reference | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| LABW-900-001 | 900 x 500 x 2000 mm | blind folding melamine doors | 1 | |
| LABW-1K2-001 | 1200 x 500 x 2000 mm | blind folding melamine doors | 1 | |
| LABW-90V-001 | 900 x 500 x 2000 mm | glass doors | 1 | |
| LABW-1V2-001 | 1200 x 500 x 2000 mm | glass doors | 1 | |



## *LABORATORY SINK UNIT IN POLYPROPYLENE

With anti-splash sides in welded PP. Cabinet sides, base and lid made of water-repellent melamine (19 mm thick) with 1 or 2 doors of 270° opening. Handle made of natural aluminum. Laboratory water tap mix. Includes the following accessories: 1 siphon, 2 connecting tube 3/8HM, 50 cm tube PVC Ø 40 mm, 1 elbow 90 °, 1 elbow 45 °, 1 handle, filter and overflow pipe exit 1 ½. Delivered assembled. Warranty 5 years. Delivery time: 5-7 weeks

| reference | dimensions (length x width x height) | number of doors | number of wells | number of drainers | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| LABS-A01-001 | 600 x 750 x 900 mm | 1 | 1 | 0 | 1 | |
| LABS-A02-001 | 900 x 750 x 900 mm | 2 | 1 | 1 | 1 | |
| LABS-A03-001 | 1200 x 750 x 900 mm | 2 | 1 | 1 | 1 | |
| LABS-A04-001 | 1200 x 750 x 900 mm | 2 | 2 | 0 | 1 | |



## AUXILIARY LABORATORY TROLLEY

Made of polished 18/8 304 stainless steel, with 4 rotating wheels of 60 mm, flat superior and inferior shelves. Available with 2 or 3 shelves. Warranty 3 years

| reference | dimensions (length x width x height) | shelves | max. weight | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| LATR-602-001 | 600 x 400 x 910 mm | 2 | 20 kg / shelf | 1 | |
| LATR-603-001 | 600 x 400 x 910 mm | 3 | 20 kg / shelf | 1 | |



## LOW LABORATORY CHAIR WITH WHEELS

Five wheels, rotating, for working at a 75 cm height. Seat/back material: Anti-slip polyurethane, easy to clean. Resistant to abrasion and cleaning products. Adjustable seat by gas lift: 40-58 cm. Seat dimensions (width x depth): 41 x 54 cm. Dimensions of the backrest (width x height): 42 x 39 cm. Base: black polyamide with fiberglass, diameter of base: 60 cm. Does not includes armrest. Delivered unassembled. Warranty 5 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| LACH-040-001 | low laboratory chair with wheels | 1 | |



## HIGH LABORATORY CHAIR

Five feet, rotating seat, for working at a 90 cm height. Seat/back material: Anti-slip polyurethane, easy to clean. Resistant to abrasion and cleaning products. Adjustable seat by gas lift: 50-70 cm. Seat dimensions (width x depth): 41 x 54 cm. Dimensions of the backrest (width x height): 42 x 39 cm. Base: black polyamide with fiberglass, base diameter: 60 cm. Does not include armrest. Delivered unassembled. Warranty 5 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| LACH-055-001 | high laboratory chair | 1 | |
| Accessories | | | |
| LACH-A01-005 | stool wheels | 5 | |

## HIGH LABORATORY STOOL

Five feet, rotating seat. Seat material: polypropylene, easy to clean. Adjustable seat by gas lift: 59-84 cm. Diameter of the seat: 33 cm. Base: black polyamide with fiberglass, base diameter: 60 cm. Delivered unassembled. Warranty 5 year



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| LASL-054-001 | high laboratory stool | 1 | |
| Accessories | | | |
| LACH-A01-005 | stool wheels | 5 | |

## WASTE BIN WITH PEDAL

clink

Made of stainless steel, with extractable plastic container in the interior



| reference | capacity | Ø (mm) | h (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| LACB-005-001 | 5 L | 200 | 280 | 1 | |
| LACB-012-001 | 12 L | 250 | 390 | 1 | |
| LACB-020-001 | 20 L | 290 | 440 | 1 | |
| LACB-030-001 | 30 L | 290 | 670 | 1 | |

## *WASTE FURNITURE

INBAUTEK

Waste container system for low module made of 19 mm thick melamine, with complete extraction system and cushioned closure. The containers are made of recyclable polypropylene resistant to high and low temperatures, shocks, scratches and chemical products. The lid is fixed and can be used as an internal shelf. GRASS Nova Pro guides that guarantee the minimum opening force, the most effective brake (system by air and not by oils or greases) and a total synchronization both in opening and in closing with up to 40 Kg of load. Four wheels at the base, two of them with brakes. Light grey color. 2 buckets included. Delivered assembled. Warranty 5 years. Delivery time 5-7 weeks



| reference | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| LABR-450-001 | 450 x 520 x 635 mm | two buckets of 30 L | 1 | |
| LABR-600-001 | 600 x 520 x 820 mm | two buckets of 36 L | 1 | |

## STEPPERS

clink

Tubular structure of chromium plated steel, with surface made of non-sliding rubber



| reference | dimensions (length x width x height) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| LABN-001-001 | 450 x 200 x 270 mm | one step | 1 | |
| LABN-002-001 | 450 x 520 x 270 mm | two steps | 1 | |



## clink | WALL SUPPORT FOR BASKETS

Stainless steel. Support with hooks for 4 baskets. Two 1500 x 30 x 15 mm bars

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| LASC-004-001 | support for 4 baskets (does not include baskets) | 1 | |
| LASC-A01-001 | basket in stainless steel, 570 x 300 x 200 mm | 1 | |








### WHY CHOOSE BB LABORATORY CHAIRS?

**Manufactured in the EU** with European quality standards.

**5-year warranty**, designed for intensive use in technical environments.

**Backrest and seat made of 100% integral polyurethane**, resistant and very easy to clean and disinfect.

**Designed for user well-being**, with an ergonomic structure intended to reduce muscle tension, promote healthy posture, and minimize fatigue.

**Highly adaptable**, with multiple mechanical configurations.

**Antibacterial material compliant with protocol 177.0/20**, which reduces bacterial proliferation.

**Free of CFCs/HCFCs**, ensuring a more sustainable production process.

**Designed for medical, pharmaceutical, and research environments**, adapting to the different demands of the sector.

**Durable and resistant materials**, ideal for laboratory work.



# HEALTH AND SAFETY

## Epibox VISITOR SAFETY GLASS



Made of polycarbonate with anti-scratches treatment and aeration slots in arms. According to EN 166 1.F CE standards

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SPEC-001-001 | visitor safety glass | 1 | |
| 12 units “Saving package” | | | |
| SPEC-001-012 | visitor safety glass | 12 | |

## Epibox SAFETY GLASSES



A



B

Made of polycarbonate with anti-scratch treatment. Includes an adjustable neck cord. Modern design and ultra light. Model A: According to EN 166 1.F CE standards. Model B: According to EN 166, EN 170 and EN 172 CE standards

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SPEC-002-001 | safety glasses (A) | 1 | |
| SPEC-UV2-001 | safety glasses, grey sunscreen with UV filter (B) | 1 | |
| 12 units “Saving package” | | | |
| SPEC-002-012 | safety glasses (A) | 12 | |

## Epibox SAFETY GOGGLE



Frame made of comfortable and soft PVC, glass made of polycarbonate. High protection against impatcs, particles, splashes, etc. Fixing self-adjusting elastic band. According to EN 166 CE standards

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SPEC-003-001 | safety goggle | 1 | |
| 10 units “Saving package” | | | |
| SPEC-003-010 | safety goggle | 10 | |

## PEGASO SAFETY GOGGLE *PREMIUM LINE*, LITE SERIES




Extremely confortable, resistant frame. Small, ideal for workers who do not need prescription glasses. Forehead section with air vents. Adjustable headband. Optical lens: class 1, antifog treatment and anti-scratch treatment. Medium-energy impact resistance to high-speed particles, protection against large dust particles > 5 microns, protection against liquid droplets. According to EN 166 CE standards

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SPEC-004-001 | safety goggle, LITE series | 1 | |

## Epibox CRYOGENIC PROTECTION GOOGLES



Made of a special designed composite for protecting against drops of liquid gases. Adjustable headband. Can be worn over prescription spectacles and for prolonged use. Protects also against impacts and UV rays. PPE category II, complies with EN 166 and EN 170

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SPEC-CRY-001 | cryogenic protection googles | 1 | |

## NON VENTED SAFETY GLASSES

Frame in PVC and curved polycarbonate lens. With adjustable elastic band and anti-scratch and anti-fog treatment. Protection against splashes, fumes, gases, and vapors. PPE of category II, compliant with standards EN 166:2001 and EN 170:2002



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SPEC-005-001 | non vented safety glasses | 1 | |

## FACE PROTECTOR

Face protector made of polycarbonate with head self-adjusting elastic band. Internal foom strip. Very convinient front and side protection (protector covering 180°). High protection against impacts, particules, splashes, etc. According to EN 166 CE standards



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| FACE-001-001 | face protector | 1 | |

## REUSABLE HALF-MASK

Made of soft silicone. With harness and two adjustable straps. With two inhalation and one exhalation valve. For bayonet filters. Complies with EN 140 :1998 and (EU) 2016/425. Compatible with our FMAS filters



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SMAS-R01-001 | reusable half-mask | 1 | |

## REUSABLE PANORAMIC MASK

Made of polycarbonate with silicone face seal. Equipped with a head harness with 4 adjustable straps. Lens with anti-fog and anti-scratch treatment. For bayonet filters. Complies with EN 136 and (EU) 2016/425. Compatible with our FMAS filters



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| PMAS-001-001 | reusable panoramic mask | 1 | |

## BAYONET FILTERS

Filters that effectively protect against gases, vapours and/or particles. Bayonet-connection system ensures a fast and secure fit. Please refer to the technical documentation on the website to determine the appropriate filter choice. Compliant with Regulation (EU) 2016/425 and EN 14387:2004. Compatible with SMAS and PMAS masks.



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| FMAS-001-002 | ABEK1P3 | 2 | |
| FMAS-002-002 | A2P3 | 2 | |
| FMAS-003-002 | AE1P3 | 2 | |
| FMAS-004-002 | A1 | 2 | |

## Epibox DISPOSABLE HYGIENIC MASK



Disposable 3-layer hygienic mask made of non-woven melt blown filter cloth. With adjustable nose clip and elastic rings for support

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| MASK-H01-050 | hygienic, 3 layers | 50 | |

## Epibox DISPOSABLE RESPIRATOR, FFP1 LEVEL



Protection against solid and liquid particles of low toxicity at low concentrations (corresponds to FFP1 protection level as defined in standard EN 149:2001), up to 4 x TLV. Spherical shape with adjustable nose clip. Latex-free. Classification: FFP1 NR D

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| MASK-001-020 | FFP1 spherical shape | 20 | |
| MASK-0V1-010 | FFP1 spherical shape with valve | 10 | |

## Epibox DISPOSABLE RESPIRATOR, FFP2 LEVEL



Protection against solid and liquid particles of low and medium toxicity (corresponds to FFP2 protection level as defined in standard EN 149:2001), up to 12 x TLV. Spherical shape with valve. Latex-free. Classification: FFP2 NR D

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| MASK-002-010 | FFP2 spherical shape with valve | 10 | |

## Epibox DISPOSABLE RESPIRATOR, FFP3 LEVEL





High protection against solid and liquid particles of very high toxicity (corresponds to FFP3 protection level as defined in standard EN 149:2001), up to 50 x TLV. Foldable with adjustable nose clip. Latex-free. Classification: FFP3 NR D

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| MASK-003-020 | FFP3 folded with valve | 20 | |
| MASK-P03-020 | FFP3 folded without valve | 20 | |

## LABORATORY SCRUB SET

Epibox

Set of unisex laboratory scrub with long sleeve top. Made of twill (65% polyester/35% cotton), white. Includes a V-neck top with a chest pocket and two waist patch pockets, as well as a pair of elastic waistband pants with 2 italian pockets. Grammage: 195 g



| reference | size | waist girth | pcs/ pack | price/ pack |
|---|---|---|---|---|
| LSSS-0XS-001 | XS | 72 cm | 1 | |
| LSSS-00S-001 | S | 76 - 80 cm | 1 | |
| LSSS-00M-001 | M | 84 - 88 cm | 1 | |
| LSSS-00L-001 | L | 92 - 96 cm | 1 | |
| LSSS-0XL-001 | XL | 100 - 104 cm | 1 | |
| LSSS-XXL-001 | XXL | 108 - 112 cm | 1 | |
| LSSS-3XL-001 | XXXL | 116 - 120 cm | 1 | |
| 10 units “Saving package” | | | | |
| LSSS-0XS-010 | XS | 72 cm | 10 | |
| LSSS-00S-010 | S | 76 - 80 cm | 10 | |
| LSSS-00M-010 | M | 84 - 88 cm | 10 | |
| LSSS-00L-010 | L | 92 - 96 cm | 10 | |
| LSSS-0XL-010 | XL | 100 - 104 cm | 10 | |
| LSSS-XXL-010 | XXL | 108 - 112 cm | 10 | |
| LSSS-3XL-010 | XXXL | 116 - 120 cm | 10 | |

## LAB-COAT FOR WOMEN WITH SNAP BUTTON

Epibox

With collar flap, 6 metal snap button closure that allows the garment to be quickly removed in case of accident. Two pockets in the lower side, one on the chest. White colour



| reference | size | waist girth | chest girth | composition | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| In 100% cotton | | | | | | |
| GOCW-S0S-001 | S | 82 - 88 cm | 96 - 102 cm | 100% cotton | 1 | |
| GOCW-S0M-001 | M | 90 - 96 cm | 104 - 110 cm | 100% cotton | 1 | |
| GOCW-S0L-001 | L | 98 - 104 cm | 112 - 118 cm | 100% cotton | 1 | |
| GOCW-SXL-001 | XL | 106 - 112 cm | 120 - 126 cm | 100% cotton | 1 | |
| GOCW-SXX-001 | XXL | 114 - 120 cm | 128 - 134 cm | 100% cotton | 1 | |
| In 100% cotton, “saving package” | | | | | | |
| GOCW-S0S-010 | S | 82 - 88 cm | 96 - 102 cm | 100% cotton | 10 | |
| GOCW-S0M-010 | M | 90 - 96 cm | 104 - 110 cm | 100% cotton | 10 | |
| GOCW-S0L-010 | L | 98 - 104 cm | 112 - 118 cm | 100% cotton | 10 | |
| GOCW-SXL-010 | XL | 106 - 112 cm | 120 - 126 cm | 100% cotton | 10 | |
| GOCW-SXX-010 | XXL | 114 - 120 cm | 128 - 134 cm | 100% cotton | 10 | |



## Epibox | LAB-COAT FOR WOMEN

With collar flap, closure by 5 buttons. Two pockets in the lower side, one on the chest. The sleeves are finished with buttoned cuffs for a secure and comfortable fit. White colour

| reference | size | waist girth | chest girth | composition | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| In 65% polyester/35% cotton | | | | | | |
| GOSW-00S-001 | S | 82 - 88 cm | 96 - 102 cm | 65% polyester/35% cotton | 1 | |
| GOSW-00M-001 | M | 90 - 96 cm | 104 - 110 cm | 65% polyester/35% cotton | 1 | |
| GOSW-00L-001 | L | 98 - 104 cm | 112 - 118 cm | 65% polyester/35% cotton | 1 | |
| GOSW-0XL-001 | XL | 106 - 112 cm | 120 - 126 cm | 65% polyester/35% cotton | 1 | |
| GOSW-XXL-001 | XXL | 114 - 120 cm | 128 - 134 cm | 65% polyester/35% cotton | 1 | |
| In 65% polyester/35% cotton, “saving package” | | | | | | |
| GOSW-00S-010 | S | 82 - 88 cm | 96 - 102 cm | 65% polyester/35% cotton | 10 | |
| GOSW-00M-010 | M | 90 - 96 cm | 104 - 110 cm | 65% polyester/35% cotton | 10 | |
| GOSW-00L-010 | L | 98 - 104 cm | 112 - 118 cm | 65% polyester/35% cotton | 10 | |
| GOSW-0XL-010 | XL | 106 - 112 cm | 120 - 126 cm | 65% polyester/35% cotton | 10 | |
| GOSW-XXL-010 | XXL | 114 - 120 cm | 128 - 134 cm | 65% polyester/35% cotton | 10 | |
| In 100% cotton | | | | | | |
| GOCW-00S-001 | S | 82 - 88 cm | 96 - 102 cm | 100% cotton | 1 | |
| GOCW-00M-001 | M | 90 - 96 cm | 104 - 110 cm | 100% cotton | 1 | |
| GOCW-00L-001 | L | 98 - 104 cm | 112 - 118 cm | 100% cotton | 1 | |
| GOCW-0XL-001 | XL | 106 - 112 cm | 120 - 126 cm | 100% cotton | 1 | |
| GOCW-XXL-001 | XXL | 114 - 120 cm | 128 - 134 cm | 100% cotton | 1 | |
| In 100% cotton, “saving package” | | | | | | |
| GOCW-00S-010 | S | 82 - 88 cm | 96 - 102 cm | 100% cotton | 10 | |
| GOCW-00M-010 | M | 90 - 96 cm | 104 - 110 cm | 100% cotton | 10 | |
| GOCW-00L-010 | L | 98 - 104 cm | 112 - 118 cm | 100% cotton | 10 | |
| GOCW-0XL-010 | XL | 106 - 112 cm | 120 - 126 cm | 100% cotton | 10 | |
| GOCW-XXL-010 | XXL | 114 - 120 cm | 128 - 134 cm | 100% cotton | 10 | |



## Epibox | DISPOSABLE COVERALL

White, in PP (40 gr) with zip fastening and hood. Adaptable to ankle and wrists by elastic band. Class I PPE. Latex free. Compliant with EU Regulation 2016/425 and EU 10/2011

| reference | size | pcs/ pack | price/ pack |
|---|---|---|---|
| DSCA-00M-005 | M | 5 | |
| DSCA-00L-005 | L | 5 | |
| DSCA-0XL-005 | XL | 5 | |
| DSCA-XXL-005 | XXL | 5 | |
| “Saving package” | | | |
| DSCA-00M-025 | M | 25 | |
| DSCA-00L-025 | L | 25 | |
| DSCA-0XL-025 | XL | 25 | |
| DSCA-XXL-025 | XXL | 25 | |

## LAB-COAT FOR MEN WITH SNAP BUTTON

Epibox

With collar flap, 6 metal snap button closure that allows the garment to be quickly removed in case of accident. Two pockets in the lower side, one on the chest. White colour



| reference | size | chest girth | composition | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| In 100% cotton | | | | | |
| GOCM-S0S-001 | S | 98 - 104 cm | 100% cotton | 1 | |
| GOCM-S0M-001 | M | 106 - 112 cm | 100% cotton | 1 | |
| GOCM-S0L-001 | L | 114 - 120 cm | 100% cotton | 1 | |
| GOCM-SXL-001 | XL | 122 - 128 cm | 100% cotton | 1 | |
| GOCM-SXX-001 | XXL | 130 - 136 cm | 100% cotton | 1 | |
| In 100% cotton, “saving package” | | | | | |
| GOCM-S0S-010 | S | 98 - 104 cm | 100% cotton | 10 | |
| GOCM-S0M-010 | M | 106 - 112 cm | 100% cotton | 10 | |
| GOCM-S0L-010 | L | 114 - 120 cm | 100% cotton | 10 | |
| GOCM-SXL-010 | XL | 122 - 128 cm | 100% cotton | 10 | |
| GOCM-SXX-010 | XXL | 130 - 136 cm | 100% cotton | 10 | |

## LAB-COAT FOR MEN

Epibox

With collar flap, closure by 5 buttons. Two pockets in the lower side and one on the chest. Without cuffs. White colour



| reference | size | chest girth | composition | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| In 65% polyester/35% cotton | | | | | |
| GOSM-00S-001 | S | 98 - 104 cm | 65% polyester/35% cotton | 1 | |
| GOSM-00M-001 | M | 106 - 112 cm | 65% polyester/35% cotton | 1 | |
| GOSM-00L-001 | L | 114 - 120 cm | 65% polyester/35% cotton | 1 | |
| GOSM-0XL-001 | XL | 122 - 128 cm | 65% polyester/35% cotton | 1 | |
| GOSM-XXL-001 | XXL | 130 - 136 cm | 65% polyester/35% cotton | 1 | |
| In 65% polyester/35% cotton, “saving package” | | | | | |
| GOSM-00S-010 | S | 98 - 104 cm | 65% polyester/35% cotton | 10 | |
| GOSM-00M-010 | M | 106 - 112 cm | 65% polyester/35% cotton | 10 | |
| GOSM-00L-010 | L | 114 - 120 cm | 65% polyester/35% cotton | 10 | |
| GOSM-0XL-010 | XL | 122 - 128 cm | 65% polyester/35% cotton | 10 | |
| GOSM-XXL-010 | XXL | 130 - 136 cm | 65% polyester/35% cotton | 10 | |
| In 100% cotton | | | | | |
| GOCM-00S-001 | S | 98 - 104 cm | 100% cotton | 1 | |
| GOCM-00M-001 | M | 106 - 112 cm | 100% cotton | 1 | |
| GOCM-00L-001 | L | 114 - 120 cm | 100% cotton | 1 | |
| GOCM-0XL-001 | XL | 122 - 128 cm | 100% cotton | 1 | |
| GOCM-XXL-001 | XXL | 130 - 136 cm | 100% cotton | 1 | |
| In 100% cotton, “saving package” | | | | | |
| GOCM-00S-010 | S | 98 - 104 cm | 100% cotton | 10 | |
| GOCM-00M-010 | M | 106 - 112 cm | 100% cotton | 10 | |
| GOCM-00L-010 | L | 114 - 120 cm | 100% cotton | 10 | |
| GOCM-0XL-010 | XL | 122 - 128 cm | 100% cotton | 10 | |
| GOCM-XXL-010 | XXL | 130 - 136 cm | 100% cotton | 10 | |

Epibox

## LABORATORY CLOGS

Made of antistatic SEBS (Styrene-ethylene-butylene-styrene), anatomical, with certified non-slip sole. With openings on the sides to facilitate ventilation. 100% recyclable. The references LACL-ST1-002 and LACL-ST2-002, allow the clog to be fastened to the ankle for greater comfort and safety. Complies with EN ISO 20347:2012. Autoclavable at 134 °C





| reference | EU size | pcs/ pack | price/ pack |
|---|---|---|---|
| LACL-W34-001 | 34/35 | 1 | |
| LACL-W36-001 | 36/37 | 1 | |
| LACL-W38-001 | 38/39 | 1 | |
| LACL-W40-001 | 40/41 | 1 | |
| LACL-W42-001 | 42/43 | 1 | |
| LACL-W44-001 | 44/45 | 1 | |
| LACL-W46-001 | 46/47 | 1 | |
| Accessories | | | |
| LACL-ST1-002 | 33/43 | 2 | |
| LACL-ST2-002 | 44/47 | 2 | |

Epibox

## DISPOSABLE CAP

Disposable cap made of white polypropylene, circular shape

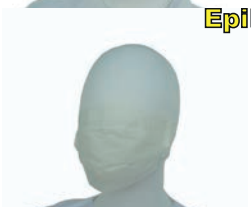


| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| CAPP-001-100 | white color | 100 | |

Epibox

## DISPOSABLE TIE-ON MASK

Tie-on mask, made of 1 single layer of paper with self-adjusting elastic band



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| MASK-000-100 | white color | 100 | |

Epibox

## DISPOSABLE VISITOR COAT

Made of polypropylene with velcro closure



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| COAP-002-010 | one size, white | 10 | |

Epibox

## DISPOSABLE SLEEVE

In blue LDPE. Adaptable by elastic band on both sides Waterproof. Latex free. Size 40 x 20 cm



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| DSSL-001-100 | blue colour | 100 | |

## DISPOSABLE BOOT COVERS

In blue LDPE. Adaptable by elastic band. Waterproof. Latex free. Size 41 x 50 cm

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| DSBC-001-100 | blue colour | 100 | |



## DISPOSABLE SHOE COVER

Adaptable to the ankle by elastic band. Waterproof, 15 x 38 cm

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| SHOP-001-100 | green color, PE | 100 | |
| SHOP-002-100 | blue color, non-slip soles, TNT | 100 | |
| SHOP-003-100 | blue color, CPE | 100 | |



## NITRILE DISPOSABLE GLOVES

Powder-free, non sterile. Nitrile is much more chemicaly resistant than other kind of disposable gloves commonly used in laboratory, such as latex or vinyl. 100% latex protein free: An alternative to common latex gloves to prevent allergies. Ambidextrous. AQL 1,5. According to EU 2016/425 and EN 420, EN 374 1/5 and EN 455 1/2/3 standards

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GLON-00S-100 | powder free, S (6-7) size | 100 | |
| GLON-00M-100 | powder free, M (7-8) size | 100 | |
| GLON-00L-100 | powder free, L (8-9) size | 100 | |
| GLON-0XL-100 | powder free, XL (9-10) size | 100 | |
| 10 x 100 Powder-free gloves “Saving package” | | | |
| GLON-00S-1K0 | powder free, S (6-7) size | 10 x 100 | |
| GLON-00M-1K0 | powder free, M (7-8) size | 10 x 100 | |
| GLON-00L-1K0 | powder free, L (8-9) size | 10 x 100 | |
| GLON-0XL-1K0 | powder free, XL (9-10) size | 10 x 100 | |



## GLOVES DISPENSER

With lid and oval opening for dispensing, in 18/8 stainless steel

| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| GDSS-001-001 | 250 x 135 x 90 mm | 1 | |



## GLOVES DISPENSER WALL MOUNT

Made of 18/8 stainless steel. With the sides open to facilitate the replacement of the consumable, ready to fix on the wall (Ø 6 mm holes, screws not included)

| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| GDWM-001-001 | 250 x 130 x 80 mm | 1 | |





## Epibox NITRILE DISPOSABLE GLOVES 'SENSITIVE'

Powder-free, non sterile. More sensitive to touch than usual nitrile gloves. With the advantages of nitrile gloves at a more competitive price. 100% latex protein free. Ambidextrous. AQL 1,5. According to EU 2016/425, EN 420, and EN 374 1/5 standards

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GLOS-0XS-100 | powder free, XS (5-6) size | 100 | |
| GLOS-00S-100 | powder free, S (6-7) size | 100 | |
| GLOS-00M-100 | powder free, M (7-8) size | 100 | |
| GLOS-00L-100 | powder free, L (8-9) size | 100 | |
| GLOS-0XL-100 | powder free, XL (9-10) size | 100 | |
| 10 x 100 Powder-free gloves "Saving package" | | | |
| GLOS-0XS-1K0 | powder free, XS (5-6) size | 10 x 100 | |
| GLOS-00S-1K0 | powder free, S (6-7) size | 10 x 100 | |
| GLOS-00M-1K0 | powder free, M (7-8) size | 10 x 100 | |
| GLOS-00L-1K0 | powder free, L (8-9) size | 10 x 100 | |
| GLOS-0XL-1K0 | powder free, XL (9-10) size | 10 x 100 | |



## Epibox NITRILE STERILE EXAMINATION GLOVES

Powder-free, with internal polymer for easy donning and removal. Anti-slip, resistant and sensitive to touch. Sterile by ethylene oxide. Ambidextrous AQL 1,0. Complies with directive 2016/425 /UE and standards EN ISO 21420, EN 374 1/2/4/5, EN 16523-1 and EN 388. American standards ASTM D6319

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GLEN-00S-050 | sterile powder-free, small size | 50 | |
| GLEN-00M-050 | sterile powder-free, medium size | 50 | |
| GLEN-00L-050 | sterile powder-free, large size | 50 | |
| 8 x 50 gloves "Saving package" | | | |
| GLEN-00S-400 | sterile powder-free, small size | 8 x 50 | |
| GLEN-00M-400 | sterile powder-free, medium size | 8 x 50 | |
| GLEN-00L-400 | sterile powder-free, large size | 8 x 50 | |



## Epibox DISPOSABLE EXTRA-LONG NITRILE GLOVES

Powder free, non-sterile. External microtexturized surface in the fingertips, provides a greater grip strength. Internal surface is chlorinated, smooth and comfortable. Ambidextrous AQL 1,5. They comply with the EN 420, EN 374 1/2/4/5 standards

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GLOX-B0S-050 | 28,5 cm long, small size | 50 | |
| GLOX-B0M-050 | 28,5 cm long, medium size | 50 | |
| GLOX-B0L-050 | 28,5 cm long, large size | 50 | |
| GLOX-BXL-050 | 28,5 cm long, extra-large size | 50 | |

## REUSABLE NITRILE GLOVES

Epibox

Powder free, non-sterile. The external surface has an anti-slip effect on fingers and palm for better grip. Internal surface is smooth, soft, comfortable, allows you to put on and take off the glove easily. According to EN 420, EN 374 1/2/3 and EN 388 standards. Each unit equals one pair of gloves



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GLOR-00S-001 | reusable, S (6-7) size | 1 | |
| GLOR-00M-001 | reusable, M (7-8) size | 1 | |
| GLOR-00L-001 | reusable, L (8-9) size | 1 | |

## LATEX DISPOSABLE EXAM GLOVES

Epibox

Available in powdered and powder-free option, non sterile. 100% pure natural latex, natural colour. Ambidextrous. AQL 1.5. According to EU 2016/425, and EN 420, EN 374 1/5 and EN 455 1/2/3 standards



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| Powdered | | | |
| GLOL-PXS-100 | powdered, XS (5-6) size | 100 | |
| GLOL-P0S-100 | powdered, S (6-7) size | 100 | |
| GLOL-P0M-100 | powdered, M (7-8) size | 100 | |
| GLOL-P0L-100 | powdered, L (8-9) size | 100 | |
| GLOL-PXL-100 | powdered, XL (9-10) size | 100 | |
| Powder-free | | | |
| GLOL-0XS-100 | powder free, XS (5-6) size | 100 | |
| GLOL-00S-100 | powder free, S (6-7) size | 100 | |
| GLOL-00M-100 | powder free, M (7-8) size | 100 | |
| GLOL-00L-100 | powder free, L (8-9) size | 100 | |
| GLOL-0XL-100 | powder free, XL (9-10) size | 100 | |
| 10 x 100 Powdered gloves “Saving package” | | | |
| GLOL-PXS-1K0 | powdered, XS (5-6) size | 10 x 100 | |
| GLOL-P0S-1K0 | powdered, S (6-7) size | 10 x 100 | |
| GLOL-P0M-1K0 | powdered, M (7-8) size | 10 x 100 | |
| GLOL-P0L-1K0 | powdered, L (8-9) size | 10 x 100 | |
| GLOL-PXL-1K0 | powdered, XL (9-10) size | 10 x 100 | |
| 10 x 100 Powder-free gloves “Saving package” | | | |
| GLOL-0XS-1K0 | powder free, XS (5-6) size | 10 x 100 | |
| GLOL-00S-1K0 | powder free, S (6-7) size | 10 x 100 | |
| GLOL-00M-1K0 | powder free, M (7-8) size | 10 x 100 | |
| GLOL-00L-1K0 | powder free, L (8-9) size | 10 x 100 | |
| GLOL-0XL-1K0 | powder free, XL (9-10) size | 10 x 100 | |

## CHEMICAL PROTECTIVE GLOVES



Chlorinated black latex gloves with cotton flocking inside. High mechanical resistance and resistance to many chemicals such as ketones, alcohols and bases. Complies with EN 388, EN 374-1 and EN 374-5. Each unit equals one pair of gloves

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GLOQ-00M-001 | size 8, 32,5 cm long | 1 | |
| GLOQ-00L-001 | size 9, 32,5 cm long | 1 | |

## CRYOGENIC GLOVES




Used to handle items stored under liquid nitrogen or other very cold temperatures (from -120 °C up to -190 °C). Designed in order to leave plenty of space to the fingers. Water-resistant. Up to mid-arm, 37 cm long. According to EN 511 and EN 388 standards. Each unit equals one pair of gloves

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GLOF-S37-001 | small size | 1 | |
| GLOF-M37-001 | medium size | 1 | |
| GLOF-L37-001 | large size | 1 | |
| GLOF-X37-001 | extra large size | 1 | |

## THERMAL PROTECTIVE GLOVES



Waterproof gloves for protection against liquid nitrogen (and other cryogenic gases) and heat (-200°C to 250°C). Antistatic and made of waterproof treated leather. An inner membrane allows perspiration but does not allow liquids to penetrate. Soft inner lining in multilayer fabric for thermal protection and comfort. Conforms to EN 388, EN 511 and EN 407. Each unit equals one pair of gloves

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GLOD-S38-001 | 38 cm long, small size | 1 | |
| GLOD-M38-001 | 38 cm long, medium size | 1 | |
| GLOD-L38-001 | 38 cm long, large size | 1 | |

## ANTI-ACID PVC GLOVES



Gloves made of red PVC with smooth finishing. Very good resistence to abrasion, concentrated acids, hydrocarbons, oils and grease. According to EN 388 and EN 420 standards. Each unit equals one pair of gloves

| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GLOP-035-001 | one size, length 40 cm | 1 | |

## AUTOCLAVE GLOVES

Epibox

CE

Made of Nomex III fibers (mixture of thermo-resistant and infusible aromatic polyamides) and with no asbestos fibers. Under normal service conditions, physical properties stay unchanged for several hours at 260 ªC, withstanding as well 370 °C when its degradation starts. When approached to flame, they do not melt, but instead they get scorched making a crust allowing protection. Can also be used sporadically to handle items stored under nitrogen vapour phase (-180 °C). Resistant to bases, acids and organic products but not to large exposures to some concentrated inorganic acids. Available in 30 cm long or 52 cm long. According to EN 407, EN 388 and EN 21420:2020 standards. Thanks to their low thermal conductivity and double thickness, the gloves provide effective protection in very hot environments. However, they should be kept reasonably dry, since water absorbed in the fibers can transfer heat through the surface. Each unit equals one pair of gloves



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| GLOT-S30-001 | small size, 30 cm long | 1 | |
| GLOT-M30-001 | medium size, 30 cm long | 1 | |
| GLOT-L30-001 | large size, 30 cm long | 1 | |
| GLOT-S52-001 | small size, 52 cm long | 1 | |
| GLOT-M52-001 | medium size, 52 cm long | 1 | |
| GLOT-L52-001 | large size, 52 cm long | 1 | |

## EARMUFF

Epibox

CE

Very light earmuff. Metal free. Light noise reduction (SNR = 27 dB). Adjustable height pads and padded harness. According to EN 352-1 CE standards



| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| EARP-001-001 | SNR = 27 dB | 1 | |

## SAFE-HANDLE BOTTLE PROTECTOR

Epibox

Prevents breakage of 2.5 L glass bottles commonly used for most laboratory reagents and solvent manufacturers. If a bottle does break, it helps contain glass shards and liquid spills, protecting lab personnel. Integrated handle helps handling and pouring heavy bottles. Easy-to-use mechanism and fully reusable. Important: suitable only for bottle models with smooth external surface (not suitable for bottles with integrated handle)



| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| SAFE-001-001 | Safe-Handle bottle protector | 1 | |



## EYEWASH STATIONARY STAND

Wall stand with two eyewash bottles, explanatory pictograms for instructions and a small mirror. Specially designed for work areas with eye damage risks by chemical products or foreign bodies. Includes two bottles available separately for sale: one including 500 ml of eyewash liquid (sterile NaCl 0.9%) and one including 200 ml of neutral solution (sterile phosphate buffer 4.9%). Neutral solution is to be used to quickly neutralize acids and bases and must be rinsed with the eyewash solution afterwards. Both bottles have an ergonomic mouth, perfectly adapted to the eye. According to CE standards and with expiry date from 2 to 3 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| EYES-S01-001 | stationary stand eyewash | 1 | |
| Spare parts | | | |
| EYES-SAL-500 | saline solution, 500 ml | 1 | |
| EYES-NEU-200 | 200 ml neutral pH solution | 1 | |



## DUO EYEWASH STATIONARY STAND

Wall stand with two DUO eyewash bottles, explanatory pictograms for instructions and a small mirror. Specially designed for work areas with eye damage risks by chemical products or foreign bodies. Includes two bottles available separately for sale: one including 1000 ml of eyewash liquid (sterile NaCl 0.9%) and one including 500 ml of neutral solution (sterile phosphate buffer 4.9%). Neutral solution is to be used to quickly neutralize acids and bases and must be rinsed with the eyewash solution afterwards. The DUO bottles are equipped with a special eye device that allows rinsing both eyes at the same time. According to CE standards and with expiry date from 2 to 3 years

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| EYED-S01-001 | DUO eyewash stationary stand | 1 | |
| Spare parts | | | |
| EYED-SAL-1K0 | saline solution, 1000 ml, DUO bottle | 1 | |
| EYED-NEU-500 | neutral pH solution, 500 ml, DUO bottle | 1 | |

LIQUID NITROGEN HANDLING RECOMMENDATIONS

- Wear appropriate personal protective equipment (PPE) (face shield/goggles, insulated gloves)
- Only use containers & equipment designed for cryogenic liquids. The liquid turn into gas and raises the pressure in the container
- Never trap liquid nitrogen in a container, tubing or piping. Common materials such as plastic or glass can shatter when exposed to liquid nitrogen
- Use liquid nitrogen in well-ventilated areas as the gas could potentially displace oxygen posing a risk of asphyxiation

## HYDROALCOHOLIC GEL

labkem

Antiseptic gel, without perfume and not greasy. Specially designed for hygiene and disinfection of hands. Formulation with dermoprotective compound, protects the skin and prevents drying, allowing frequent use (up to 10 times/hour). Excellent penetrability and compatibility with the skin, dries quickly after application. Effective against a broad spectrum of bacteria, fungi and viruses. Contains 70% alcohol




| reference | description | package | price/ pack |
|---|---|---|---|
| ETHG-D01-300 | bottle with dispenser | 300 ml | |
| ETHG-R01-1K0 | refill bottle | 1 L | |
| ETHG-R01-5K0 | refill bottle | 5 L | |

## AUTOCLAVE DEODORANT

labkem

This neutralizer effectively eliminates unpleasant odours generated during the waste autoclaving process, providing a fresh and citrus perfumed environment. Easy and safe to use, it guarantees efficient odour neutralization without interfering with the sterilization process. It is recommended to place one or two capsules, as needed, inside the autoclave or incubator. They dissolve automatically upon heating, leave no colour residue, and are 100% biodegradable




| reference | description | package | price/ pack |
|---|---|---|---|
| AUDE-001-100 | orange colour, citrus scent | 100 un | |
| “Saving package” | | | |
| AUDE-001-500 | orange colour, citrus scent | 5 x 100 un | |

## ABSORBENT POWDER FOR SPILLED LIQUIDS LABKEM AUX - AUXILIARY GRADE

labkem

Naturally occurring absorbent particles specially designed to absorb all kinds of spills or leaks that occur inside or outside in protected areas of the wind. Mineral sepiolite 30/60 assay > 65%, max. bulk density 720 g/l, min. water absorption 110% and min. oil absorption 65%.
INSTRUCTIONS: Add the granules on the spilled liquid, wait for a few minutes until the liquid is completely absorbed and collect it with a shovel. For further information, see Specification Sheet on the website



| reference | description | packaging | price/ pack |
|---|---|---|---|
| ABSU-00P-1K0 | mineral sepiolite | 1 kg | |
| ABSU-00P-5K0 | mineral sepiolite | 5 kg | |

## RINSING AGENT LABKEM A103 FOR AUTOMATIC WASHING MACHINE

labkem

Acidic neutralizing agent- surfactant free. For use in laboratory glassware washers. LABKEM RINSE AGENT A103 is biodegradable and is used in the neutralizing cycle after the main alkaline washing cycle with LABKEM CLEANER A102. Neutralizes and removes residual alkaline and mineral traces which may cause white stains on glassware. LABKEM RINSE AGENT A103 can also be used in the prewash cycle. Complete rinse without residues. See Specification Sheet to consult the composition and other relevant information to be downloaded on the website



| reference | description | package | price/ pack |
|---|---|---|---|
| SOAP-103-5K0 | labkem rinse agent A103, bottle 5 L | 5 L | |

## labkem | DETERGENTS FOR LABORATORY USE LABKEM CLEANER, FOR MANUAL CLEANING



Recommended for manual use, soaking and ultrasonic cleaning of glassware and laboratory equipment made of stainless steel, porcelain, ceramic and plastic. Labkem Cleaner is biodegradable and ensures complete removal: grease, oils, blood, cell tissue, chemicals and biological residues, etc. Complete rinse without residues. Packaging: 5 L. See Specification Sheet to consult the composition and other information available on the website

| reference | description | package | price/ pack |
|---|---|---|---|
| SOAP-066-5K0 | Labkem Cleaner M66 Alkaline liquid detergent | 5 L | |
| SOAP-067-5K0 | Labkem Cleaner M67 Alkaline liquid detergent, phosphate free | 5 L | |
| SOAP-068-5K0 | Labkem Cleaner M68 Neutral liquid detergent | 5 L | |

## labkem | DETERGENTS FOR LABORATORY USE LABKEM CLEANER, FOR AUTOMATIC WASHING MACHINE



Recommended for use in laboratory glassware washers, washers-sterilizers, spray washers. LABKEM CLEANER is used to clean glassware, instruments and items made of stainless steel, plastic, ceramic and porcelain. Efficiently removes grease, silicon oil, blood, cell cultures, chemical and biological residues. Complete rinse without residues. Packaging: 5 L (SOAP-105-5K0 and SOAP-106-5K0) or 4,5 Kg (SOAP-107-5K0). See Specification Sheet to consult the composition and other relevant information available on the website.

**Caution: SOAP-107-5K0 - Dangerous chemical product (UN 1824)**. Due to shipping restrictions or local/national regulations, this product may not be available in all countries or for some particular customers. For more information, please contact our Customer Service

| reference | description | package | price/ pack |
|---|---|---|---|
| SOAP-102-5K0 | Labkem cleaner A102 Alkaline liq. detergent, Phosphate free | 5 L | |
| SOAP-106-5K0 | Labkem cleaner A106 Neutral liquid detergent, Phosphate free | 5 L | |
| SOAP-107-5K0 | Labkem cleaner A107 Alkaline powder detergent | 4,5 kg | |

## labkem | DISINFECTANT FOR LABORATORIES



Disinfectants for surfaces, material and laboratory equipment. 3 varieties available for different types of laboratories: General, Medical and Molecular Biology.

**DSNF-GFS-750**- GERMfree solution for disinfection of instruments and surfaces in general.

**DSNF-MYS-250** - MYCOPLASMA solution for particularly active disinfection of mycoplasma and a wide variety of microorganisms.

**DSNF-ZDS-250**- ZERO DNA solution for cleaning contaminating DNA and RNA particles of examinations, samples and tests in PCR assays

| reference | description | package | price/ pack |
|---|---|---|---|
| DSNF-GFS-750 | GERMfree solution in 750 ml spray | 750 ml | |
| DSNF-GFR-750 | 750 ml GERMfree refill | 750 ml | |
| DSNF-GFR-5K0 | 5 L GERMfree refill | 5 L | |
| DSNF-MYS-250 | MYCOPLASMA solution in 250 ml spray | 250 ml | |
| DSNF-ZDS-250 | ZERO DNA solution in 250 ml spray | 250 ml | |
| DSNF-MYR-500 | 500 ml MYCOPLASMA refill | 500 ml | |
| DSNF-ZDR-500 | 500 ml ZERO DNA refill | 500 ml | |

## DRAINING RACK

PVC coated wire. Can be hanged or placed upon a table. Includes a water collection tray

| reference | type | h (mm) | w (mm) | base (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DRAI-055-001 | 55 positions | 650 | 360 | 360 x 130 | 1 | |
| Accessories and spare parts | | | | | | |
| DRAI-TRA-001 | replacement tray | 20 | 136 | 333 x 136 | 1 | |



## WALL DRAINING RACK FOR LABWARE

Made of ABS and polycarbonate. To be used hanging on the wall. Bottom of the rack is provided with a tray which collects all the waste water with drain outlet to facilitate emptying

| reference | type | h (mm) | w (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| DRAI-P20-001 | 20 positions | 460 | 350 | 1 | |



## TEST TUBE BASKET

Made of polypropylene. Autoclavable at 121°C

| reference | h (mm) | l (mm) | w (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| TTBP-001-001 | 140 | 120 | 110 | 1 | |
| TTBP-002-001 | 160 | 160 | 160 | 1 | |



## TEST TUBE BASKET WITH COVER

Made of polypropylene, non-corrosive, with hinged lid. For sterilising tubes and small instruments. Autoclavable at 121°

| reference | h (mm) | l (mm) | w (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| TTBC-001-001 | 110 | 120 | 150 | 1 | |
| TTBC-002-001 | 180 | 170 | 160 | 1 | |
| TTBC-003-001 | 230 | 230 | 230 | 1 | |



Material safety data sheets and certificates of analysis are downloadable free of charge at www.labbox.eu.

**Disclaimer**: Labkem chemical products are exclusively for laboratory and must be used by instructed and experienced technicians. These chemical products may be dangerous, so please follow the instructions mentioned on the Material safety data sheets.

Due to shipping restrictions or local/national regulations, all products may not be available in all countries or for some particular customers. For further explanation please contact Customer Service.

The information about our products (specifications, transportation regulations, etc.) may be updated throughout the year. Please visit our website to check for possible updates on our products.

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## STAINLESS STEEL WIRE BASKET

Designed for transporting, storing, cleaning and sterilising laboratory utensils. Excellent chemical resistance. Both models round and square come with folding handle, and the square model comes also with lid





| reference | ext. dim. (L x W x H) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| BASS-R15-001 | Ø 150 x h120 mm | round | 1 | |
| BASS-R21-001 | Ø 210 x h180 mm | round | 1 | |
| BASS-R24-001 | Ø 240 x h180 mm | round | 1 | |
| BASS-R30-001 | Ø 300 x h200 mm | round | 1 | |
| BASS-S16-001 | 160 x 160 x 160 mm | square | 1 | |
| BASS-S20-001 | 200 x 200 x 200 mm | square | 1 | |
| BASS-S30-001 | 300 x 200 x 150 mm | square | 1 | |

## PROTECTIVE SILICONE MAT FOR GLASS

Made of silicone. Ideal to protect the glass during cleaning and allow it to drain



| reference | dimensions (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|
| PSIM-W30-001 | 250 x 350 | wavy | 1 | |

astiK's

## WASTE STERILIZING BAG, HDPE

Made of polyethylene (HDPE). Translucent. Perfect for the sterilization and disposal of hazardous and contaminated labware. With side gusset. Thickness: 0,03 mm



| reference | capacity | dimensions (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| WABS-300-100 | 8 L | 300 x 500 | 100 | |
| WABS-400-100 | 38 L | 400 x 780 | 100 | |
| WABS-600-100 | 60 L | 600 x 800 | 100 | |
| “Saving package” | | | | |
| WABS-300-2K0 | 8 L | 300 x 500 | 20 x 100 | |
| WABS-400-1K0 | 38 L | 400 x 780 | 10 x 100 | |
| WABS-600-500 | 60 L | 600 x 800 | 5 x 100 | |

## WASTE DISPOSAL BAG RESISTANT TO AUTOCLAVE, PP

astiK's

Made of polypropylene (PP), autoclavable at 134°C. Perfect for the sterilization and disposal of hazardous and contaminated labware. For autoclaving, the bag must not be completely closed. Thickness: 0,05 mm

| reference | capacity | dimensions (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| WABP-300-100 | 8 L | 300 x 500 | 100 | |
| WABP-400-100 | 38 L | 400 x 780 | 100 | |
| WABP-600-100 | 60 L | 600 x 800 | 100 | |
| "Saving package" | | | | |
| WABP-300-1K5 | 8 L | 300 x 500 | 15 x 100 | |
| WABP-400-600 | 38 L | 400 x 780 | 6 x 100 | |
| WABP-600-300 | 60 L | 600 x 800 | 3 x 100 | |



## SELF-SEALING STERILIZATION POUCH

Self-sealing disposable bags, ideal for the sterilization of instruments in laboratories. With a transparent side to facilitate the identification of the content. Suitable for autoclaving and ethylene oxide (EtO) sterilization

| reference | dimensions (mm) | film dimensions (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| STPO-070-200 | 70 x 260 | 70 x 230 | 200 | |
| STPO-090-200 | 90 x 260 | 90 x 230 | 200 | |
| STPO-190-200 | 190 x 360 | 190 x 330 | 200 | |



## SET OF 9 ASSORTED BRUSHES

Includes brushes for general use and test tubes of different sizes in nylon and natural bristle

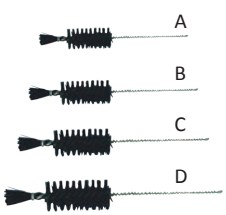
| reference | type | pcs/ pack | price/ pack |
|---|---|---|---|
| BRU1-KIT-001 | 9 assorted brushes | 1 | |



## BRUSHES FOR GENERAL PURPOSES

Natural bristle hand on twisted galvanised iron wire stem

| reference | $l_{total}$ (mm) | $Ø_{brush}$ (mm) | $l_{brush}$ (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BRU4-001-001 | 280 | 40 | 80 | natural bristle (A) | 1 | |
| BRU4-002-001 | 310 | 50 | 100 | natural bristle (B) | 1 | |
| BRU4-003-001 | 355 | 50 | 110 | natural bristle (C) | 1 | |
| BRU4-004-001 | 600 | 70 | 150 | natural bristle (D) | 1 | |

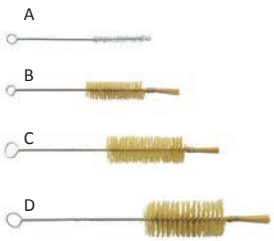




## BURETTE BRUSHES

Natural bristle hand on twisted glavanised iron wire stem

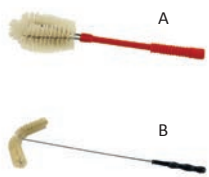
| reference | $l_{total}$ (mm) | $Ø_{brush}$ (mm) | $l_{brush}$ (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BRU3-005-001 | 800 | 25 | 150 | natural bristle | 1 | |




## TEST TUBE BRUSHES

White nylon or natural bristle hand on twisted glavanised iron wire stem

| reference | $l_{total}$ (mm) | $Ø_{brush}$ (mm) | $l_{brush}$ (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BRU1-002-002 | 120 | 6 | 40 | nylon (A) | 2 | |
| BRU3-001-001 | 170 | 17 | 55 | natural bristle (B) | 1 | |
| BRU3-002-001 | 200 | 25 | 75 | natural bristle (C) | 1 | |
| BRU3-003-001 | 240 | 35 | 70 | natural bristle (D) | 1 | |




## BRUSH FOR SPECIAL PURPOSES

Natural bristle

| reference | $l_{total}$ (mm) | $Ø_{brush}$ (mm) | $l_{brush}$ (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BRU2-001-001 | 380 | 52 | 120 | for big beakers (A) | 1 | |
| BRU2-003-001 | 580 | 40 | 220 | for round bottom flasks (B) | 1 | |



## BRUSHES WITH SOFT TIP

Nylon brush with twisted galvanised iron wire handle. With extra cushioning at the tip for thorough cleaning of delicate materials

| reference | $l_{total}$ (mm) | $Ø_{brush}$ (mm) | $l_{brush}$ (mm) | type | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| BRU5-005-002 | 300 | 5 | 100 | nylon | 2 | |
| BRU5-010-002 | 300 | 10 | 100 | nylon | 2 | |
| BRU5-020-002 | 300 | 20 | 100 | nylon | 2 | |
| BRU5-030-002 | 300 | 30 | 100 | nylon | 2 | |



## ANTIBACTERIAL MICROFIBER CLOTH

With Copptech antibacterial technology. Eliminates up to 99.9% of bacteria. Tested according to ISO 20743: 2013. Composition: 80% polyester and 20% polyamide

| reference | dimensions (mm) | weight/surface | pcs/ pack | price/ pack |
|---|---|---|---|---|
| AMFC-001-003 | 400 x 350 | 290 ± 10% (g/m²) | 3 | |

## ANTIBACTERIAL MICROFIBER MOP

With Copptech antibacterial technology. Eliminates up to 99.9% of bacteria. Tested according to ISO 20743: 2013. Quick drying and great absorption capacity. Composition: 80% polyester and 20% polyamide

| reference | description | pcs/ pack | price/ pack |
|---|---|---|---|
| AMFM-001-001 | antibacterial | 1 | |



## JOSEPH PAPER

BRANCHIA by PRAT DUMAS

Extra thin paper, superior quality for wiping or packing laboratory glassware.0 Chemical and solvent-free. Excellent absorption and perfect wiping does not go fluffy. Surface weight: 30 g/m². Thickness: 70 µm

| reference | l (mm) | w (mm) | pcs/ pack | price/ pack |
|---|---|---|---|---|
| JPPF-350-040 | 350 | 500 | 40 | |
| JPPF-350-800 | 350 | 500 | 800 | |



## LINT-FREE WIPE ROLL

Made from polyester fibers and wood pulp, pre-cut. Weight of 56 g/m². Ideal for demanding cleaning and drying tasks, leaves no residue or traces. Suitable for dry, damp, and wet cleaning. Highly resistant to cleaning products such as alcohols and solvents (500 uses)

| reference | $Ø_{hole}$ | wide | long | weight | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DHPP-001-001 | 5 cm | 32 cm | 42 cm | 3,9 kg | 1 | |




## INDUSTRIAL WORK CELLULOSE PAPER

Double layer. Embossing and precut. Paper weight 36 g/m². Ideal for basic drying tasks. 475 m (1610 sheets)

| reference | $Ø_{hole}$ | wide | weight | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| IWCP-001-002 | 7 cm | 26 cm | 4,5 kg | 2 | |



## DRY HANDS CELLULOSE PAPER, MULTIPURPOSE

Double laminated layer. Embossing and precut. Paper weight 36 g/m². Ideal for basic drying tasks. 130 m (440 sheets)

| reference | $Ø_{hole}$ | wide | long | weight | pcs/ pack | price/ pack |
|---|---|---|---|---|---|---|
| DHCP-001-006 | 7 cm | 20 cm | 130 m | 800 g | 6 | |





## PAPER ROLL HOLDER

Roll holder in lacquered steel and ABS. The top blade facilitates the cutting of the paper. Compatible with industrial paper rolls up to 31 centimetres wide

| reference | weight (kg) | dimensions (length x width x height) | description | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| SOPO-A31-001 | 2,2 | 950 x 400 x 390 mm | green colour, foldable | 1 | |



## CELLULOSE TISSUES

Double layer. 100% cellulose. 100 service dispenser box. Suitable for all types of environments

| reference | l (mm) | w (mm) | weight/surface | pcs/ pack | price/ pack |
|---|---|---|---|---|---|
| CELT-001-001 | 210 | 200 | 32 g | 1 | |



## CARBOARD RECYCLING BIN

With printed icons to mark the content to deposit. 216 x 204 mm top entry and side handles. Weight 755 g/m$^2$. Can be used with our reference WABS-600-100

| reference | dimensions (length x width x height) | pcs/ pack | price/ pack |
|---|---|---|---|
| CRBN-001-001 | 280 x 280 x 700 mm | 1 | |

# METRIA

METRIA BALANCES

- Ideal for educational purposes and laboratories
- Readability from 0,1 g to 0,0001 g
- Some references include an additional precision weight for external calibration





# CHEMICALS

# LABORATORY CHEMICALS AND REAGENTS labkem

## PRODUCT DISTRIBUTION

**BASICKEM** CHEMICALS FOR USE IN LABORATORIES. INCLUDES THE FOLLOWING GRADES:

- AGR – **ANALYTICAL GRADE**: FOR ANALYTICAL APPLICATIONS WITH LOW IMPURITY LEVEL (ON THE ORDER OF PPM), ACCORDING ACS OR ISO STANDARDS
- EPR – **EXTRA PURE**: FOR ORGANIC SYNTHESIS, CHEMICAL PREPARATIVE OR ROUTINE ANALYSIS APPLICATIONS
- GLR – **GENERAL LABORATORY REAGENT**: FOR GENERAL USE.
- VSA – **VOLUMETRIC SOLUTION FOR ANALYSIS**: USED IN VOLUMETRIC ANALYSIS, MOSTLY ACID-BASE
- IND – **INDICATOR**: INDICATORS FOR VOLUMETRIC TITRATIONS
- AUX – **AUXILIARY GRADE**: AUXILIARY PRODUCTS FOR LABORATORY USES

**LIFEKEM** PRODUCTS FOR BIOLOGICAL AND MICROBIOLOGICAL APPLICATIONS. INCLUDES THE FOLLOWING GRADES:

- MIC – **MICROSCOPY GRADE**: DYES AND STAINS IN POWDER OR READY TO USE IN MICROSCOPY AND HISTOLOGY APPLICATIONS
- HIS – **HISTOLOGY GRADE**: TO USE IN THE FIELD OF PATHOLOGY
- BAC – **BACTERIOLOGY GRADE**: CULTURE MEDIA, BASES, BROTHS AND INGREDIENTS FOR BACTERIOLOGICAL APPLICATIONS
- GEN – **MOLECULAR GENETIC GRADE**: CULTURE MEDIA, BASES AND AGAROSES FOR MOLECULAR BIOLOGY APPLICATIONS

**INSTRUKEM** HIGH PERFORMANCE PRODUCTS FOR GC, HPLC, LC-MS AND ICP AND OTHER INSTRUMENTAL ANALYTICAL TECHNIQUES. INCLUDES THE FOLLOWING GRADES:

- GGR – **GRADIENT GRADE**: HIGH PERFORMANCE SOLVENTS FOR HPLC (HIGH PRESSURE LIQUID CHROMATOGRAPHY)
- PGR – **PESTICIDE GRADE**: SOLVENTS FOR PESTICIDE ANALYSIS
- LGR – **LC/MS GRADE**: ULTRA-HIGH PERFORMANCE SOLVENTS FOR LC-MS (LIQUID CHROMATOGRAPHY – MASS SPECTROMETRY)
- TGR – **TRACE GRADE**: VERY HIGH PURITY ACIDS, WITH AN IMPURITY LEVEL ON THE ORDER OF 0,1-1 PPB, FOR SAMPLE PREPARATION FOR TRACE ANALYSIS BY ICP-MS/OES (INDUCTIVELY COUPLED PLASMA – MASS SPECTROMETRY / OPTICAL EMISSION SPECTROMETRY)
- KFR – **KARL-FISCHER GRADE**: REAGENTS FOR DETERMINATION OF HUMITY BY KARL-FISCHER METHOD

## PACKAGING



plastic bottle GL45



plastic bottle



glass bottle GL45



glass bottle



plastic dropper bottle



plastic ampoule



aluminium container



plastic twin neck



Bag in Box PET/Al



glass bottle PP28



metal can



glass dropper bottle



specimen container



plastic jerrycan



COEX plastic bottle



plastic Bag



COEX plastic jerrycan



plastic pail


vial


bag


zipper bag



plastic dispenser bottle



plastic spray



glass bottle GL38

## ABSORBENT POWDER *SEE P. 359*

## ACETIC ACID, GLACIAL

labkem

M.W.: 60.05 CAS: 64-19-7 EC: 200-580-7 EC INDEX: 607-002-00-6 TARIC code: 29152100
UN: 2789 IMDG: 8 (3) II UN 2789 ADR: 8 (3) II UN 2789 (D/E) IATA: 8 (3) II UN 2789

$CH_3COOH$

| ACETIC ACID, GLACIAL 99.5% GLR — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Colourless clear liquid<br>Assay > 99.5%<br>Density at 20°C approx. 1.049 - approx. 1.049<br>Res. on evap. < 0.005%<br>$Cl^-$ < 0.0002% | | $SO_4$ < 0.0005%<br>Heavy metals (Pb) < 0.0002%<br>Fe < 0.0005% | ACAC-G0P-1K0 | G PE-HD | 1 L | |
| | | | ACAC-G0P-2K5 | P | 2,5 L | |
| | | | ACAC-G0P-5K0 | P | 5 L | |
| ACETIC ACID, GLACIAL 99.5% AGR — BASICKEM | | | reference | packaging | | price |
| App. Clear colourless liquid<br>Assay > 99.7%<br>Freezing point -16.2 ºC<br>Density at 20°C 1.048 - 1.050 g/ml<br>Acetic anhydride<0.2%<br>Formate <0.05% | Insoluble matter in water Passes test<br>Water<0.2%<br>$SO_4$ < 0.0001%<br>Non-volatile matter<0.001%<br>$Cl^-$ < 0.0001%<br>As<0.00005% | Cu<0.00004%<br>Fe < 0.00002%<br>Pb < 0.00001%<br>Subst. red. dichromate (O)<0.003% | ACAC-GGA-1K0 | G PE-HD | 1 L | |
| | | | ACAC-GGA-2K5 | P | 2,5 L | |
| ACETIC ACID, GLACIAL 99.8% AGR ACS, ISO, REAG. PH.EUR. — BASICKEM | | | reference | packaging | | price |
| Assay > 99.8%<br>Non-Vol. Mat. < 0.0005%<br>Ag < 0.000001%<br>Al < 0.000005%<br>As < 0.000001%<br>Ba < 0.000001%<br>Be < 0.000001%<br>Bi < 0.00001%<br>Ca < 0.00002%<br>Cd < 0.000005%<br>Co < 0.000001%<br>Cr < 0.000002%<br>Cu < 0.000001%<br>Fe < 0.00001% | Ge < 0.000005%<br>K < 0.00001%<br>Li < 0.000001%<br>Mg < 0.00001%<br>Mn < 0.000001%<br>Mo < 0.000002%<br>Na < 0.00005%<br>Ni < 0.000002%<br>Pb < 0.000002%<br>Sr < 0.000001%<br>Ti < 0.00001%<br>Tl < 0.000005%<br>V < 0.000001%<br>Zn < 0.000005% | Zr < 0.00001%<br>$Cl^-$ < 0.00005%<br>$PO_4$ < 0.00005%<br>$SO_4$ < 0.00005%<br>Acetaldehyde < 0.0002%<br>Acetic anhydride < 0.01%<br>Indif. to $CrO_3$ Passes test<br>Subst. red. $KMnO_4$ < 0.002%<br>$H_2O$ < 0.15%<br>Colour (Hazen) < 5<br>Res. on evap. < 0.001%<br>Heavy met. < 0.00005%<br>Alkalinity < 0.0004meq/g | ACAC-GIA-1K0 | P GLASS | 1 L | |
| | | | ACAC-GIA-2K5 | P GLASS | 2,5 L | |
| | | | ACAC-GIA-P04 | P GLASS | 4 x 2,5 L | |

## ACETIC ACID, VOLUMETRIC SOLUTION

labkem

M.W.: 60.05 CAS: 64-19-7 EC: 200-580-7 EC INDEX: 607-002-00-6 TARIC code: 29152100

$CH_3COOH$

| ACETIC ACID, VOLUMETRIC SOLUTION 0.1 M (0.1 N) VSA — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Concentration 0.0996 - 0.1004M | ACAC-01V-1K0 | P | 1 L | |
| ACETIC ACID, VOLUMETRIC SOLUTION 1 M (1 N) VSA — BASICKEM | reference | packaging | | price |
| Concentration 0.996 - 1.004M | ACAC-1V0-1K0 | P | 1 L | |

Material safety data sheets and certificates of analysis are downloadable free of charge at www.labbox.eu.

**Disclaimer**: Labkem chemical products are exclusively for laboratory and must be used by instructed and experienced technicians. These chemical products may be dangerous, so please follow the instructions mentioned on the Material safety data sheets.

Due to shipping restrictions or local/national regulations, all products may not be available in all countries or for some particular customers. For further explanation please contact Customer Service.

The information about our products (specifications, transportation regulations, etc.) may be updated throughout the year. Please visit our website to check for possible updates on our products.

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## ACETIC ANHYDRIDE

Restriction: Drugs precursor Cat. 2 labkem

M.W.: 102.08 CAS: 108-24-7 EC: 203-564-8 EC INDEX: 607-008-00-9 TARIC code: 29152400
UN: 1715 IMDG: 8 (3) II UN 1715 ADR: 8 (3) II UN 1715 (D/E) IATA: 8 (3) II UN 1715

$(CH_3CO)_2O$

| ACETIC ANHYDRIDE AGR ACS, ISO, PH.EUR. BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99%<br>Non-Vol. Mat. < 0.003%<br>Al < 0.0005%<br>B < 0.000002%<br>Ba < 0.00001%<br>Ca < 0.00005%<br>Cd < 0.000005%<br>Co < 0.000002% | Cr < 0.000002%<br>Cu < 0.000002%<br>Fe < 0.00001%<br>Mg < 0.00001%<br>Mn < 0.000002%<br>Ni < 0.000002%<br>Pb < 0.00001%<br>Sn < 0.00001% | Zn < 0.00001%<br>$Cl^-$ < 0.0002%<br>$PO_4$ < 0.001%<br>$SO_4$ < 0.0005%<br>Subst. red. $KMnO_4$ < 0.01%<br>Res. on evap. < 0.003%<br>Heavy metals (Pb) < 0.00002% | ACAN-00A-1K0 | G GL45 | 1 L | |

## ACETONE

Restriction: Drugs precursor Cat. 3 + Explosives labkem

M.W.: 58.08 CAS: 67-64-1 EC: 200-662-2 EC INDEX: 606-001-00-8 TARIC code: 29141100
UN: 1090 IMDG: 3 II UN 1090 ADR: 3 II UN 1090 (D/E) IATA: 3 II UN 1090

$CH_3COCH_3$

| ACETONE 99.6% GLR BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Clear liquid<br>Colour (Hazen) < 10<br>$H_2O$ < 0.3%<br>Acid. (Acetic acid) < 0.002%<br>Assay > 99.6%<br>Benzene < 0.0005%<br>Mesityl Oxide < 0.005% | | Cumene < 0.005%<br>Diacetone alcohol < 0.015%<br>Density at 15°C 0.796 - 0.798g/ml<br>Boiling range 55.8 - 56.6°C<br>Non-Vol. Mat. < 0.0015% | ACET-P0P-1K0 | P COEX | 1 L | |
| | | | ACET-G0P-1K0 | G PP28 | 1 L | |
| | | | ACET-P0P-5K0 | P COEX | 5 L | |
| | | | ACET-P0P-10K | P COEX | 10 L | |
| | | | ACET-M0P-25K | M | 25 L | |
| **ACETONE 99.5% AGR ACS, ISO, PH.EUR. BASICKEM** | | | **reference** | **packaging** | | **price** |
| Assay > 99.5%<br>Free Acid < 0.002%<br>Free Alkalinity < 0.001%<br>Water < 0.2%<br>EtOH < 0.01%<br>Formaldehyde < 0.0002% | Subst. red. $KMnO_4$ < 0.00025%<br>Methanol < 0.01%<br>Res. on evap. < 0.001%<br>Ni < 0.0000005%<br>Fe < 0.00001%<br>Cu < 0.0000001% | Mn < 0.0000001%<br>Co < 0.0000005%<br>Mg < 0.00001%<br>Pb < 0.0000001%<br>Zn < 0.0000001% | ACET-0IA-1K0 | P GL45 | 1 L | |
| | | | ACET-0IA-2K5 | P GL45 | 2,5 L | |
| | | | ACET-0IA-P04 | P GL45 | 4 x 2,5 L | |
| | | | ACET-0IA-5K0 | P | 5 L | |
| **ACETONE HPLC GGR INSTRUKEM** | | | **reference** | **packaging** | | **price** |
| ACS Spec. passes test<br>UV spectrophotometry<br>UV-Abs. max. lim. (330 nm) < 1.00<br>UV-Abs. max. lim. (340 nm) < 0.06<br>UV-Abs. max. lim. (350 nm) < 0.01<br>UV Cutoff < 330nm<br>Assay > 99.7%<br>Colour (Hazen) < 10<br>Water (KF) < 0.25% | Res. on evap. < 0.0001%<br>Titr. acid < 0.0003mEq/g<br>Titr. base < 0.0006mEq/g<br>Solub. in $H_2O$ passes test<br>Subst. red. $KMnO_4$ passes test<br>Aldehydes < 0.002%<br>Methanol < 0.05%<br>2-Propanol < 0.05%<br>Alkalinity < 0.0006meq/g | Acid. (Acetic acid) < 0.0005meq/g<br>Non-Vol. Mat. < 0.0005%<br>UV-Tr. (1cm;Wat.) 335 nm > 50%<br>UV-Tr. (1cm;Wat.) 340 nm > 85%<br>UV-Tr. (1cm;Wat.) 350 nm > 98%<br>UV-Tr. (1cm;Wat.) 355 nm > 99% | ACET-0GH-2K5 | G GL45 | 2,5 L | |
| | | | ACET-0GH-P04 | G GL45 | 4 x 2,5 L | |
| **ACETONE PESTICIDE GRADE PGR INSTRUKEM** | | | **reference** | **packaging** | | **price** |
| Assay > 99.5%<br>Water (KF) < 0.5%<br>Colour (Hazen) < 10<br>Non-Vol. Mat. < 0.0005% | | | ACET-0GC-2K5 | G GL45 | 2,5 L | |
| | | | ACET-0GC-P04 | G GL45 | 4 x 2,5 L | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## ACETONITRILE

labkem

M.W.: 41.05 CAS: 75-05-8 EC: 200-835-2 EC INDEX: 608-001-00-3 TARIC code: 29269070
UN: 1648 IMDG: 3 II UN 1648 ADR: 3 II UN 1648 (D/E) IATA: 3 II UN 1648

$CH_3CN$

| ACETONITRILE GC/HPLC GGR | | | INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| UV-Abs. max. lim. (195 nm) < 0.15 | Assay > 99.9% | Acid. (Acetic acid) < 0.008% | | ACTN-0GH-2K5 | GL45 | 2,5 L | |
| UV-Abs. max. lim. (195 nm) < 0.15 | Colour (Hazen) < 10 | Acid. (Acetic acid) < 0.008% | | | | | |
| UV-Abs. max. lim. (200 nm) < 0.05 | Colour (Hazen) < 10 | Alkal. (Ammonia) < 0.0006% | | | | | |
| UV-Abs. max. lim. (200 nm) < 0.05 | $H_2O$ (by KF) < 0.01% | Alkal. (Ammonia) < 0.0006% | | ACTN-0GH-P04 | GL45 | 4 x 2,5 L | |
| UV-Abs. max. lim. (205 nm) < 0.04 | $H_2O$ (by KF) < 0.01% | T195nm > 70% | | | | | |
| UV-Abs. max. lim. (205 nm) < 0.04 | Res. on evap. < 0.0001% | T195nm > 70% | | | | | |
| UV-Abs. max. lim. (210 nm) < 0.02 | Res. on evap. < 0.0001% | T200nm > 80% | | ACTN-0GH-4K0 | GL38 | 4 L | |
| UV-Abs. max. lim. (210 nm) < 0.02 | Titr. acid < 0.0008mEq/g | T200nm > 80% | | | | | |
| UV-abs. max. lim. (220 nm) < 0.01 | Titr. acid < 0.0008mEq/g | T220nm > 94% | | | | | |
| UV-abs. max. lim. (220 nm) < 0.01 | Titr. base < 0.0006mEq/g | T220nm > 94% | | | | | |
| UV-Abs. max. lim. (254 nm) < 0.009 | Titr. base < 0.0006mEq/g | T210nm > 88% | | | | | |
| UV-Abs. max. lim. (254 nm) < 0.009 | ACS Spec. passes test | T210nm > 88% | | | | | |
| UV Cutoff < 190nm | ACS Spec. passes test | T240nm > 99% | | ACTN-0GH-PG4 | GL38 | 4 x 4 L | |
| UV Cutoff < 190nm | UV spectrophotometry | T240nm > 99% | | | | | |
| Grad. Elut. test passes test | UV-Abs. max. lim. (190 nm) < 1.00 | T230nm > 98% | | | | | |
| Grad. Elut. test passes test | UV-Abs. max. lim. (190 nm) < 1.00 | T230nm > 98% | | | | | |
| Assay > 99.9% | LC Grad. Suit. | | | | | | |

| ACETONITRILE LC/MS LGR | | | INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| LC Grad. Suit. Passes test | UV-Abs. max. lim. (254 nm) < 0.005 | Pb < 0.000005% | | ACTN-LCM-2K5 | GL45 | 2,5 L | |
| Assay > 99.9% | UV Cutoff < 190nm | Mg < 0.0000025% | | | | | |
| Colour (Hazen) < 10 | Grad. elut. H. Peak (254 nm) < 0.5mAU | Mn < 0.000005% | | | | | |
| Water (KF) < 0.01% | Grad. elut. H. Peak (210 nm) < 2mAU | Ni < 0.000005% | | | | | |
| Res. on evap. < 0.0001% | Al < 0.0000025% | K < 0.0000025% | | | | | |
| Titr. acid < 0.008% | Ba < 0.000005% | Ag < 0.000005% | | | | | |
| Titr. base < 0.0006% | Cd < 0.000005% | Na < 0.000005% | | | | | |
| UV-Abs. max. lim. (195 nm) < 0.15 | Ca < 0.0000025% | Sn < 0.000005% | | ACTN-LCM-P04 | GL45 | 4 x 2,5 L | |
| UV-Abs. max. lim. (200 nm) < 0.05 | Cr < 0.000005% | Zn < 0.000005% | | | | | |
| UV-Abs. max. lim. (205 nm) < 0.04 | Co < 0.000005% | | | | | | |
| UV-Abs. max. lim. (210 nm) < 0.02 | Cu < 0.000005% | | | | | | |
| UV-abs. max. lim. (220 nm) < 0.01 | Fe < 0.000005% | | | | | | |

## AGAR BASES FOR MICROBIOLOGICAL CULTURE *SEE P. 48*

## AGARS FOR MICROBIOLOGICAL CULTURE *SEE P. 48*

## AGAROSES *SEE P. 34*

## ALUMINIUM NITRATE NONAHYDRATE

labkem

M.W.: 375.13 CAS: 7784-27-2 EC: 236-751-8 TARIC code: 28342980 UN: 1438 IMDG: 5.1 III
UN 1438 ADR: 5.1 III UN 1438 (E) IATA: 5.1 III UN 1438

$Al(NO_3)_3 \cdot 9H_2O$

| ALUMINIUM NITRATE NONAHYDRATE AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay 98.5 - 101% | Fe < 0.004% | | ALNA-09A-500 | P | 500 g | |
| Insol. matter < 0.01% | Heavy metals (Pb) < 0.0005% | | | | | |
| pH (5%, 20°C) 2.5 - 3.5 | $SO_4$ < 0.005% | | | | | |
| Ca + K + Na < 0.03% | | | | | | |
| $Cl^-$ < 0.001% | | | | | | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## ALUMINIUM POTASSIUM SULFATE DODECAHYDRATE

labkem

M.W.: 474.39 CAS: 7784-24-9 EC: 233-141-3 TARIC code: 28333000

$AlK(SO_4)_2 \cdot 12H_2O$

| ALUMINIUM POTASSIUM SULFATE DODECAHYDRATE EPR PH.EUR. | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay 99 - 100.5%<br>App. Conforms<br>App. Conforms<br>Identif. A and B and C Conforms<br>Identif. A and B and C Conforms<br>App. of sol. Clear and colourless | App. of sol. Clear and colourless<br>pH (1/10) 3 - 5<br>pH (1/10) 3 - 5<br>$NH_4$ < 0.2%<br>$NH_4$ < 0.2%<br>Fe < 0.01% | Fe < 0.01%<br>Heavy metals (Pb) < 0.002%<br>Heavy metals (Pb) < 0.002% | | ALPS-12P-500 | P | 500 g | |
| | | | | ALPS-12P-1K0 | P | 1 kg | |
| ALUMINIUM POTASSIUM SULFATE DODECAHYDRATE AGR | | | BASICKEM | reference | packaging | | price |
| App. White crystalline powder/crystals<br>Assay (complexometric) > 99.0-100.5%<br>Identification To comply USP, BP test<br>Insol. matter < 0.005%<br>pH (10% solution in water) 3.0 - 3.5 | $Cl^-$ < 0.0005%<br>$NH_4$ < 0.005%<br>As < 0.0002%<br>Cu < 0.0005%<br>Fe < 0.0005% | Heavy metals (as Pb) < 0.001%<br>Na < 0.02%<br>Loss on drying (at 400ºC) 43-46% | | ALPS-12A-500 | P | 500 g | |

## ALUMINIUM POWDER

labkem

M.W.: 26.98 CAS: 7429-90-5 EC: 231-072-3 TARIC code: 76031000 UN: 1396 IMDG: 4.3 II UN 1396 ADR: 4.3 II UN 1396 IATA: 4.3 II UN 1396

**Al**

| ALUMINIUM POWDER GLR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Al > 99.7%<br>Fe < 0.20%<br>Si < 0.15%<br>Cu < 0.01% | Zn < 0.04%<br>Ti < 0.01% | | | ALPW-00P-250 | P | 250 g | |

## ALUMINIUM SHEET

labkem

M.W.: 26.98 CAS: 7429-90-5 EC: 231-072-3 TARIC code: 90230010

**Al**

| ALUMINIUM SHEET 85 X 25 X 1 MM GLR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Approx. dim. 100 x 30 x 1 mm | | | | ALST-L01-010 | | 10 un. | |

## ALUMINIUM SULFATE 18-HYDRATE

labkem

M.W.: 666.42 CAS: 7784-31-8 EC: 233-135-0 TARIC code: 28332200

$Al_2(SO_4)_3 \cdot 18H_2O$

| ALUMINIUM SULFATE 18-HYDRATE AGR ACS, BP | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay 98 - 102%<br>Insol. matter < 0.01%<br>Reaction (pH) > 2.5<br>$Cl^-$ < 0.001%<br>$NH_4$ < 0.01% | Cu < 0.001%<br>Fe < 0.002%<br>Heavy metals (Pb) < 0.001%<br>Ca < 0.01%<br>Mg < 0.002%<br>K < 0.005% | Na < 0.02%<br>Substance not precipitated by ammonia < 0.2% | | ALSU-18A-500 | P | 500 g | |

## 4-AMINOPHENOL

labkem

M.W.: 109.13 CAS: 123-30-8 EC: 204-616-2 EC INDEX: 612-128-00-X TARIC code: 29222900 UN: 2512 IMDG: 6.1 III UN 2512 ADR: 6.1 III UN 2512 (E) IATA: 6.1 III UN 2512

$H_2NC_6H_4OH$

| 4-AMINOPHENOL GLR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 98%<br>Melt. range 185 - 189°C<br>Appearance/colour White to cream to beige to light brown crystals or - granules or powder | | AMPH-00P-250 | P | 250 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## AMMONIA SOLUTION

labkem

M.W.: 17.03 CAS: 1336-21-6 EC: 215-647-6 EC INDEX: 007-001-01-2 TARIC code: 28142000
UN: 2672 IMDG: 8 III UN 2672 ADR: 8 III UN 2672 (E) IATA: 8 III UN 2672

$NH_3$



| AMMONIA SOLUTION 20% AGR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay 19.5 - 20.5<br>Carbonate ($CO_3$) < 0.002%<br>Calcium (Ca) + Magnesium (Mg) < 0.0008%<br>Iron (Fe) < 0.000025%<br>Chloride ($Cl^-$) < 0.0001%<br>Phosphate ($PO_4$) < 0.0001% | | Substances reducing $KMnO_4$ < 0.0008%<br>Sulfur (S) < 0.0003%<br>Heavy metals (Pb) < 0.00005%<br>Non-volatile matter < 0.003% | | AMMO-20A-1K0 | PE/PE G | 1 L | |

| AMMONIA SOLUTION 25% EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay 24 - 28%<br>$CO_3$ < 0.003%<br>$CO_3$ < 0.003%<br>Ca+Mg (Ca) < 0.0004%<br>Ca+Mg (Ca) < 0.0004%<br>$Cl^-$ < 0.0002%<br>S < 0.001% | $Cl^-$ < 0.0002%<br>S < 0.001%<br>$PO_4$ < 0.0005%<br>$PO_4$ < 0.0005%<br>Subst. red. $KMnO_4$ < 0.0008%<br>Subst. red. $KMnO_4$ < 0.0008%<br>Fe < 0.0001% | Fe < 0.0001%<br>Non-Vol. Mat. < 0.005%<br>Non-Vol. Mat. < 0.005%<br>Heavy metals (Pb) < 0.0002%<br>Heavy metals (Pb) < 0.0002% | | AMMO-25P-1K0 | PE/PE G | 1 L | |
| | | | | AMMO-25P-5K0 | P | 5 L | |

| AMMONIA SOLUTION 25% AGR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay 24 - 28%<br>Carbonates ($CO_2$) < 0.002%<br>Ca + Mg < 0.0002%<br>$Cl^-$ < 0.0001%<br>Subst. red. $KMnO_4$ < 0.0008%<br>$PO_4$ < 0.0001% | | S < 0.0003%<br>Res. on evap. < 0.003%<br>Fe < 0.0000025%<br>Heavy metals (Pb) < 0.00005% | | AMMO-25A-1K0 | PE/PE G | 1 L | |
| | | | | AMMO-25A-2K5 | P | 2,5 L | |

| AMMONIA SOLUTION 25% AGR ISO, PH.EUR. | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 25%<br>Au < 0.00001%<br>Ga < 0.0000002%<br>$Cl^-$ < 0.00005%<br>$PO_4$ < 0.00005%<br>S < 0.0002%<br>Bi < 0.00001%<br>Ni < 0.000005%<br>$SO_4$ < 0.0002%<br>Res. on evap. < 0.002%<br>In < 0.000002%<br>Ba < 0.00001% | Fe < 0.00001%<br>Ca < 0.0001%<br>Cr < 0.0000005%<br>Cu < 0.00001%<br>Mn < 0.00001%<br>Co < 0.00001%<br>Li < 0.0000002%<br>Mg < 0.00005%<br>Na < 0.0001%<br>K < 0.0001%<br>Mo < 0.00001%<br>Pb < 0.0000005% | Sr < 0.0001%<br>Cd < 0.0000005%<br>Pt < 0.00001%<br>Ti < 0.00001%<br>Ag < 0.0000002%<br>Tl < 0.0000005%<br>Sn < 0.00001%<br>$CO_3$ < 0.001%<br>Zn < 0.00001%<br>Subst. red. $KMnO_4$ < 0.0005% | | AMMO-25I-1K0 | P GLASS | 1 L | |

## AMMONIUM ACETATE

labkem

M.W.: 77.08 CAS: 631-61-8 EC: 211-162-9 TARIC code: 29152900

$CH_3COONH_4$

| AMMONIUM ACETATE EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 96.5%<br>Iron (Fe) < 10.0ppm<br>pH (5% water) 6.7 - 7.3<br>Chloride ($Cl^-$) < 10.0ppm | | | | AMAC-00P-1K0 | P | 1 kg | |

| AMMONIUM ACETATE AGR ACS | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. Colourless hygroscopic crystals with faint odor<br>Assay > 98%<br>Insol. matter < 0.005%<br>pH (5%; 25°C) 6.7 - 7.3 | $PO_4$ < 0.0005%<br>$Cl^-$ < 0.0005%<br>$NO_3$ < 0.001%<br>$SO_4$ < 0.001%<br>Fe < 0.0005% | Heavy metals (Pb) < 0.0005%<br>Ash < 0.01%<br>Subst. red. $KMnO_4$ < 0.005%<br>$H_2O$ < 2.0% | | AMAC-00A-500 | P | 500 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## AMMONIUM CHLORIDE

labkem

M.W.: 53.49 CAS: 12125-02-9 EC: 235-186-4 EC INDEX: 017-014-00-8 TARIC code: 28271000

$NH_4Cl$



| AMMONIUM CHLORIDE EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. White crystals or powder | $SO_4$ < 0.01% | Ca < 0.004% | | AMCH-00P-1K0 | P | 1 kg | |
| App. White crystals or powder | $SO_4$ < 0.01% | Ca < 0.004% | | | | | |
| Assay (dried subst.) > 99.0% | $PO_4$ < 0.002% | Fe (III) < 0.001% | | | | | |
| Insol. matter < 0.02% | $PO_4$ < 0.002% | Fe (III) < 0.001% | | | | | |
| Insol. matter < 0.02% | Heavy metals (Pb) < 0.002% | Mg < 0.0025% | | | | | |
| pH (5%) 4.5 - 6.0 | Heavy metals (Pb) < 0.002% | Mg < 0.0025% | | | | | |
| Ash ($SO_4$) < 0.05% | Organic subst. passes test | | | | | | |
| Ash ($SO_4$) < 0.05% | Organic subst. passes test | | | | | | |

| AMMONIUM CHLORIDE AGR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. White crystals or powder | $PO_4$ < 0.001% | As < 0.00005% | | AMCH-00A-500 | P | 500 g | |
| Assay > 99.5% | $ClO_3$ < 0.0005% | Ca < 0.001% | | | | | |
| Insol. matter < 0.005% | $Br^-$ and $I^-$ < 0.001% | Fe (III) < 0.0005% | | | | | |
| Ash ($SO_4$) < 0.05% | SCN < 0.005% | Mg < 0.001% | | AMCH-00A-1K0 | P | 1 kg | |
| $NO_3$ < 0.0006% | Heavy metals (Pb) < 0.0005% | | | | | | |
| $SO_4$ < 0.002% | Organic subst. Passes test | | | | | | |

## AMMONIUM DICHROMATE WATERED

Restriction: REACH Autorization

labkem

M.W.: 252.07 CAS: 7789-09-5 EC: 232-143-1 TARIC code: 28415000 UN: 1439 IMDG: 5.1 II
UN 1439 ADR: 5.1 II UN 1439 (E) IATA: 5.1 II UN 1439

$(NH_4)_2Cr_2O_7$



| AMMONIUM DICHROMATE WATERED (0.5-3% $H_2O$) AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 97% | Loss on drying < 3% | | AMDC-W0A-500 | P | 500 g | |
| $Cl^-$ < 0.005% | Na < 0.01% | | | | | |
| Fe < 0.005% | $SO_4$ < 0.02% | | | | | |

## AMMONIUM HEPTAMOLYBDATE TETRAHYDRATE

labkem

M.W.: 1235.86 CAS: 12054-85-2 EC: 234-722-4 TARIC code: 28417000

$(NH_4)_6Mo_7O_{24} \cdot 4H_2O$

| AMMONIUM HEPTAMOLYBDATE TETRAHYDRATE AGR ISO | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99% | $NO_3$ < 0.002% | | AMHM-04A-250 | P | 250 g | |
| App. Colourless or slightly green crystals | $SO_4$ < 0.005% | | | | | |
| Insol. matter < 0.01% | Fe < 0.001% | | | | | |
| Odour ammoniacal | Cu < 0.001% | | | | | |
| $Cl^-$ < 0.001% | Pb < 0.001% | | | | | |
| $PO_4$ $SiO_2$ ($PO_4$) < 0.001% | | | | | | |

## DI-AMMONIUM HYDROGEN PHOSPHATE

labkem

M.W.: 132.05 CAS: 7783-28-0 EC: 231-987-8 TARIC code: 31053000

$(NH_4)_2HPO_4$

| DI-AMMONIUM HYDROGEN PHOSPHATE AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99% | Heavy metals (Pb) < 0.001% | | AMPB-00A-1K0 | P | 1 kg | |
| $Cl^-$ < 0.001% | pH (5%, 20°C) 7.8 - 8.5 | | | | | |
| $SO_4$ < 0.002% | | | | | | |
| Fe (III) < 0.001% | | | | | | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## AMMONIUM IRON (II) SULFATE HEXAHYDRATE

labkem

M.W.: 392.14 CAS: 7783-85-9 EC: 233-151-8 TARIC code: 28429080

$(NH_4)_2Fe(SO_4)_2 \cdot 6H_2O$



| AMMONIUM IRON (II) SULFATE HEXAHYDRATE EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Greenish blue crystals/crystalline powder<br>Assay (oxidimetric) > 98.5%<br>$Cl^-$ < 0.005%<br>Fe(III) < 0.05% | | AMIS-06P-1K0 | P | 1 kg | |

| AMMONIUM IRON (II) SULFATE HEXAHYDRATE AGR ACS, USP, NF | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. Greenish blue crystals / crystalline powder<br>Assay 99.0 - 101.5%<br>Insol. matter < 0.01%<br>$PO_4$ < 0.003% | Ca < 0.005%<br>Cu < 0.003%<br>Fe (III) < 0.01%<br>Mn < 0.01%<br>Mg < 0.002% | K < 0.002%<br>Na < 0.02%<br>Subst. not pptd. by $NH_4OH$ < 0.05%<br>Zn < 0.003% | | AMIS-06A-500 | P | 500 g | |

## AMMONIUM IRON (III) SULFATE DODECAHYDRATE

labkem

M.W.: 482.19 CAS: 7783-83-7 EC: 233-382-4 TARIC code: 28333000

$FeNH_4(SO_4)_2 \cdot 12H_2O$



| AMMONIUM IRON (III) SULFATE DODECAHYDRATE AGR ACS, USP, NF | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. Pale violet crystals<br>Assay 98.5 - 102%<br>Insol. matter < 0.01%<br>$Cl^-$ < 0.001%<br>Ferrous ion Passes test | $NO_3$ < 0.01%<br>Ca < 0.01%<br>Mg < 0.005%<br>K < 0.005%<br>Na < 0.02% | Cu < 0.003%<br>Zn < 0.003%<br>Subs. not pptd. by ammonia < 0.05% | | AMIS-12A-500 | P | 500 g | |

## DI-AMMONIUM OXALATE HYDRATE

labkem

M.W.: 142.11 CAS: 6009-70-7 EC: 214-202-3 TARIC code: 29171100

$(NH_4)_2C_2O_4 \cdot H_2O$



| DI-AMMONIUM OXALATE HYDRATE AGR ACS, ISO | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay 99 - 101%<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.002%<br>$SO_4$ < 0.002% | Fe < 0.0002%<br>Heavy metals (as Pb) < 0.0005%<br>Res. on ignition < 0.02% | | AMOX-01A-500 | P | 500 g | |

## AMMONIUM PERSULFATE

labkem

M.W.: 228.19 CAS: 7727-54-0 EC: 231-786-5 EC INDEX: 016-060-00-6 TARIC code: 28334000
UN: 1444 IMDG: 5.1 III UN 1444 ADR: 5.1 III UN 1444 (E) IATA: 5.1 III UN 1444

$(NH_4)_2S_2O_8$



| AMMONIUM PERSULFATE AGR ACS, ISO | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 98.0%<br>Insol. matter < 0.005%<br>Free Acid < 0.044meq/g<br>$Cl^-$ and $ClO_3$ < 0.001%<br>Ash ($SO_4$) < 0.05% | Fe < 0.001%<br>Heavy metals (Pb) < 0.005%<br>Mn < 0.00005% | | AMPS-00A-500 | P | 500 g | |

## AMMONIUM SULFATE

labkem

M.W.: 132.14 CAS: 7783-20-2 EC: 231-984-1 EC INDEX: 016-060-00-6 TARIC code: 31022100 $(NH_4)_2SO_4$

| AMMONIUM SULFATE EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99%<br>Total N > 21%<br>Loss on ign. < 0.25%<br>$Cl^-$ < 0.001% | Se < 0.003%<br>Fe < 0.005%<br>Pb < 0.0003% | AMSU-00P-500 | P | 500 g | |
| | | AMSU-00P-1K0 | P | 1 kg | |
| | | AMSU-00P-5K0 | P | 5 kg | |

| AMMONIUM SULFATE AGR ACS, ISO | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Colourless crystals/white crystalline powder<br>Assay > 99.0%<br>Insol. matter < 0.005%<br>pH( 5% solution in water; 25 ºC) 5.0 - 6.0<br>Res. on ignition < 0.005%<br>Heavy metals (by ICP-OES) <0.0005% | $Cl^-$ < 0.0005%<br>$NO_3$ < 0.001%<br>$PO_4$ < 0.0005%<br>Fe < 0.0005% | AMSU-00A-500 | P | 500 g | |

## AMMONIUM THIOCYANATE

labkem

M.W.: 76.12 CAS: 1762-95-4 EC: 217-175-6 EC INDEX: 615-004-00-3 TARIC code: 28429080 $NH_4SCN$

| AMMONIUM THIOCYANATE AGR ACS | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay > 98.5%<br>Insol. matter < 0.005%<br>pH (5%; 25ºC) 4.5 - 6.0<br>$Cl^-$ < 0.005%<br>$SO_4$ < 0.005% | Heavy metals (Pb) < 0.0005%<br>Fe < 0.0003%<br>Residue on ignition (as $SO_4$) < 0.025%<br>Iodine consuming substances < 0.004 meq/g | AMTH-00A-500 | P | 500 g | |

## ISO-AMYL ALCOHOL (3-METHYL-1-BUTANOL)

labkem

M.W.: 88.15 CAS: 123-51-3 EC: 250-378-8 EC INDEX: 603-006-00-7 TARIC code: 29051900 $C_5H_{12}O$

UN: 1105 IMDG: 3 III UN 1105 ADR: 3 III UN 1105 (D/E) IATA: 3 III UN 1105

| ISO-AMYL ALCOHOL (3-METHYL-1-BUTANOL) EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99%<br>$H_2O$ < 0.3%<br>Free acids < 0.01%<br>Furfural < 0.003% | $H_2SO_4$ Test Passes test<br>Density at 20°C 0.81 - 0.815g/ml<br>Res. on evap. < 0.005% | AMYL-00P-1K0 | G | 1 L | |

| ISO-AMYL ALCOHOL (3-METHYL-1-BUTANOL) AGR ACC. GERBER | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99%<br>$H_2O$ < 0.2%<br>Free acids < 0.01%<br>Furfural < 0.0001% | $H_2SO_4$ Test Passes test<br>Density at 20°C 0.81 - 0.815g/ml<br>Res. on evap. < 0.003% | AMYL-00A-1K0 | G | 1 L | |

## L(+)-ASCORBIC ACID

labkem

M.W.: 176.13 CAS: 50-81-7 EC: 200-066-2 TARIC code: 29362700 $C_6H_8O_6$

| L(+)-ASCORBIC ACID EPR PH.EUR. | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.00%<br>App. White cryst. powder<br>Ash ($SO_4$) < 0.1%<br>Loss on dry. < 0.4%<br>Spec. Opt. Rot. 20.5 - 21.5° | As < 0.0003%<br>Pb < 0.0002%<br>Hg < 0.0001%<br>Heavy met. < 0.001% | ASAC-L0P-250 | P | 250 g | |
| | | ASAC-L0P-500 | P | 500 g | |

## BACTERIOLOGICAL PEPTONE *SEE P. 57*

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## BARIUM CHLORIDE DIHYDRATE

labkem

M.W.: 244.28 CAS: 10326-27-9 EC: 233-788-1 EC INDEX: 056-004-00-8 TARIC code: 28273985
UN: 1564 IMDG: 6.1 III UN 1564 ADR: 6.1 III UN 1564 (E) IATA: 6.1 III UN 1564

**$BaCl_2 \cdot 2H_2O$**

| BARIUM CHLORIDE DIHYDRATE EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. White crystalline powder or crystals or chunks<br>App. of solution (10% in water) Clear & colourless<br>Assay > 99%<br>Heavy metals (Pb) < 0.05%<br>Subst. not pptd. by dil. $H_2SO_4$ < 0.1%<br>Fe < 0.001% | | BACL-02T-500 | P | 500 g | |
| | | BACL-02T-5K0 | P | 5 kg | |

| BARIUM CHLORIDE DIHYDRATE AGR ACS | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. White Crystalline powder or crystals or chunks<br>Assay > 99%<br>Insol. matter < 0.005%<br>Oxidizing substances < 0.005%<br>Loss on drying (150ºC) 14.0-16.0%<br>pH(5%; 25ºC) 5.2 - 8.2<br>Ca < 0.05%<br>Fe < 0.0002%<br>Heavy metals (Pb) < 0.0005%<br>K < 0.0025%<br>Na < 0.005%<br>Sr < 0.1%<br>App. of solution (10% in water) Clear & colourless | | BACL-02A-500 | P | 500 g | |

## BARIUM HYDROXYDE OCTAHYDRATE

labkem

M.W.: 315.48 CAS: 12230-71-6 EC: 241-234-5 TARIC code: 28164000 UN: 1564 IMDG: 6.1 III UN 1564 ADR: 6.1 III UN 1564 IATA: 6.1 III UN 1564

**$Ba(OH)_2 \cdot 8H_2O$**

| BARIUM HYDROXYDE OCTAHYDRATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Colourless or white crystals<br>Assay > 97.0%<br>Insol. in dil. HCl < 0.005%<br>$Cl^-$ < 0.002%<br>$S^-$ < 0.0005%<br>$CO_3$ ($BaCO_3$) < 2.0%<br>Heavy metals (Pb) < 0.0005%<br>Alk. metals/Earth met. < 0.05%<br>Fe < 0.0005% | | BAHY-08A-500 | P | 500 g | |

## BARIUM NITRATE

labkem

M.W.: 261.35 CAS: 10022-31-8 EC: 233-020-5 EC INDEX: 057-002-007 TARIC code: 28342920
UN: 1446 IMDG: 5.1 (6.1) II UN 1446 ADR: 5.1 (6.1) II UN 1446 (E) IATA: 5.1 (6.1) II UN 1446

**$Ba(NO_3)_2$**

| BARIUM NITRATE AGR ACS | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99%<br>Substances insoluble in water (H2O) < 0.01%<br>Chloride ($Cl^-$) < 0.0005%<br>Calcium (Ca) < 0.05%<br>Potassium (K) < 0.005%<br>Sodium (Na) < 0.005%<br>Strontium (Sr) < 0.1%<br>Heavy metals < 0.0005%<br>Iron (Fe) < 0.0002% | | BANA-00A-500 | P | 500 g | |

## BENEDICT REAGENT

labkem

TARIC code: 38229000 CAS: 63126-89-6 UN: 3082 IMDG: 9 III UN 3082 ADR: 9 III UN 3082
IATA: 9 III UN 3082

| BENEDICT REAGENT QUALITATIVE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| For detect. of sugar in urine<br>App. Blue Solution<br>This product was manufactured in accordance with procedure SR-50. | | BENR-QLA-500 | P | 500 ml | |

## BENZALDEHYDE

labkem

M.W.: 106,12 CAS: 100-52-7 EC: 202-860-4 EC INDEX: 605-012-00-5 TARIC code: 29122100
UN: 1990 IMDG: 9 III UN 1990 ADR: 9 III UN 1990 (E) IATA: 9 III UN 1990

**$C_6H_5CHO$**

| BENZALDEHYDE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Appearance Pale yellow coloured liquid with characteristic odour<br>Purity (by GC) > 99.0%<br>Weight/ml at 20°C 1.044 - 1.046 g<br>Refractive index (20°C; 589 nm) 1.544 - 1.546<br>Acidity ($C_6H_5COOH$) < 0.3%<br>Sulphated ash < 0.01%<br>Ionised chloride (Cl) < 0.0001% | | BNZL-00A-500 | G | 500 ml | |

## BENZOIC ACID

labkem

M.W.: 122.12 CAS: 65-85-0 EC: 200-618-2 TARIC code: 29163100

$C_6H_5COOH$



| BENZOIC ACID AGR — BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.5%<br>Melt. range 121 - 122°C<br>Subs. dark. by $H_2SO_4$ Passes test<br>Subst. red. $KMnO_4$ < 0.008%<br>$Cl^-$ < 0.005% | Ash ($SO_4$) < 0.01%<br>Fe < 0.0004%<br>Heavy metals (Pb) < 0.0005%<br>$SO_4$ < 0.003% | BNZA-00A-500 | P | 500 g | |

## BENZYL ALCOHOL

labkem

M.W.: 108,14 CAS: 100-51-6 EC: 202-859-9 EC INDEX: 603-057-00-5 TARIC code: 29062100

$C_6H_5CH_2OH$



| BENZYL ALCOHOL EPR — BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Colourless clear liquid<br>Assay > 99%<br>Density at 20°C 1.043 - 1.050g/ml<br>Colour (Hazen) < 20<br>Refractive index 1.537 - 1.543<br>Free ac. (Benz. ac.) < 0.02% | Non-Vol. Mat. < 0.05%<br>Ash ($SO_4$) < 0.1%<br>Water < 0.2%<br>Perox. num. < 5 | BNZY-00P-1K0 | G PPD | 1 L | |

## BIURET REAGENT

labkem

TARIC code: 38229000 UN: 3266 IMDG: 8 III UN 3266 ADR: 8 III UN 3266 (E) IATA: 8 III UN 3266



| BIURET REAGENT AGR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| For peptides detect. in urine<br>App. Blue Solution<br>This product was manufactured in accordance with procedure SR-70 | BIUR-00A-500 | P | 500 ml | |

## BORIC ACID

labkem

M.W.: 61.84 CAS: 10043-35-3 EC: 233-139-2 EC INDEX: 005-007-00-2 TARIC code: 28100090

$H_3BO_3$



| BORIC ACID EPR — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. white/crystalline or Colourless powder<br>Assay > 99.0%<br>Insol. matter < 0.02%<br>Insol. (EtOH) Passes test | Non-Volat. (MeOH) < 0.2%<br>Solub. in EtOH Passes test<br>$Cl^-$ < 0.002%<br>$PO_4$ < 0.003%<br>$SO_4$ < 0.01% | Heavy met. < 0.002%<br>As < 0.0002%<br>Ca < 0.01%<br>Fe < 0.0001% | BORA-00P-1K0 | P | 1 kg | |

| BORIC ACID AGR — BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Colourless crystals or white powder<br>Assay > 99.5%<br>Insol. matter < 0.01%<br>Insol. (MeOH) Passes test%<br>Non-Volat. (MeOH) < 0.05%<br>$Cl^-$ < 0.0003%<br>$PO_4$ < 0.001% | $SO_4$ < 0.005%<br>Heavy metals (Pb) < 0.001%<br>As < 0.0001%<br>Ca < 0.005%<br>Fe < 0.0001% | BORA-00A-500 | P | 500 g | |
| | | BORA-00A-1K0 | P | 1 kg | |

**BROMOCRESOL GREEN** *SEE P. 433*

**BROMOCRESOL PURPLE** *SEE P. 433*

**BROMOPHENOL BLUE** *SEE P. 433*

**BROMOTHYMOL BLUE** *SEE P. 434*

**BROTH BASES FOR MICROBIOLOGICAL CULTURE** *SEE P. 56*

**BROTHS FOR MICROBIOLOGICAL CULTURE AND MOLECULAR BIOLOGY** *SEE P. 48*

**BROTHS FOR MOLECULAR BIOLOGY** *SEE P. 34*

## BUFFERED PEPTONE WATER *SEE P. 46*

## BORIC ACID, SOLUTION

labkem

M.W.: 61.84 CAS: 10043-35-3 EC: 233-139-2 EC INDEX: 005-007-00-2 TARIC code: 28100090

$H_3BO_3$

| BORIC ACID, SOLUTION 4% AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Colourless clear liquid<br>Concentration 3.9 - 4.1%<br>Density at 20°C 1.014g/cm³ | | BORA-40A-5K0 | P | 5 L | |

| BORIC ACID, SOLUTION 4% AGR WITH MIXED INDICATOR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Comp. 40g $H_3BO_3$ Ind. / L $H_2O$<br>pH 4.8 - 5<br>Colour Green | | BORA-4IA-5K0 | P | 5 L | |

## 1-BUTANOL

labkem

M.W.: 74.12 CAS: 71-36-3 EC: 200-751-6 EC INDEX: 603-004-00-6 TARIC code: 29051300
UN: 1120 IMDG: 3 III UN 1120 ADR: 3 III UN 1120 (D/E) IATA: 3 III UN 1120

$CH_3(CH_2)_3OH$

| 1-BUTANOL 99.5% AGR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| 2 Butanone < 0.1%<br>Acidity < 0.0005meq/g<br>Assay > 99.5%<br>$H_2O$ < 0.1%<br>Butan-2-ol < 0.05%<br>Ca < 0.5 ppm<br>Colour < 10APHA | Cu < 0.02 ppm<br>Fe < 0.1 ppm<br>Pb < 0.05 ppm<br>Mg < 0.1 ppm<br>K < 0.1 ppm<br>Res. on evap. < 10 ppm<br>Na < 1.0 ppm | Total Phosphorus (P) < 0.2 ppm<br>Total silicon (Si) < 0.05 ppm<br>Total sulfur (S) < 0.5 ppm<br>Water < 0.1%<br>Zn < 0.2 ppm | | BUTL-10A-1K0 | PP/GB | 1 L | |
| | | | | BUTL-10A-2K5 | GLASS | 2,5 L | |

| 1-BUTANOL HPLC GGR | | INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99.8%<br>Water (KF) < 0.03%<br>Acidity < 0.0005meq/g<br>Res. on evap. < 0.0005%<br>UV-Tr. (1cm;Wat.) 230 nm > 65%<br>UV-Tr. (1cm;Wat.) 240 nm > 80%<br>UV-Tr. (1cm;Wat.) 250 nm > 90% | UV-Tr. (1cm;Wat.) 260 nm > 95%<br>UV-Tr. (1cm;Wat.) 310 nm > 99%<br>Fluorescence (as quinine):<br>F (quin.) 254 nm < 0.0000002%<br>F (quin.) 365 nm < 0.0000002% | | BUTL-1GH-2K5 | GLASS | 2,5 L | |

## N-BUTYL ACETATE

labkem

M.W.: 116.16 CAS: 123-86-4 EC: 204-658-1 EC INDEX: 603-005-00-1 TARIC code: 29153300
UN: 1123 IMDG: 3 III UN 1123 ADR: 3 III UN 1123 (D/E) IATA: 3 III UN 1123

$C_6H_{12}O_2$

| N-BUTYL ACETATE 99% EPR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 98%<br>$H_2O$ < 0.2%<br>boiling p. 123 - 128ºC<br>Density at 20°C approx. 0.881g/ml | Refr. Ind. (n20°C/D) 1,394<br>Flash point 22ºC | | BUTY-N0T-1K0 | PP/GB | 1 L | |
| | | | BUTY-N0T-2K5 | P | 2,5 L | |

## CALCIUM CARBONATE

labkem

M.W.: 100.09 CAS: 471-34-1 EC: 207-439-9 TARIC code: 28365000

$CaCO_3$

| CALCIUM CARBONATE AGR, REAG.PH.EUR. | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Ident. (A+B) Complies<br>Assay 98.5 - 100.5%<br>Acid Insol. Mat. < 0.2%<br>$SO_4$ < 0.25%<br>Ba Passes test<br>Mg and Alk. salts < 1.5%<br>Loss on dry. < 2% | Mg and alkali metals < 1.5%<br>$Cl^-$ < 0.033%<br>As < 0.0004%<br>Fe < 0.02%<br>Heavy metals (Pb) < 0.002%<br>F < 0.005%<br>Heavy met. (Sb, Cu, Cr, Zn, Ba) < 0.01% | Org. Volat. impur. Passes test<br>Bulk density 760g/ml<br>Pb < 0.0003%<br>Hg < 0.00005%<br>Cd < 0.0001% | | CACB-00A-500 | P | 500 g | |
| | | | | CACB-00A-1K0 | P | 1 kg | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## CALCIUM CHLORIDE DIHYDRATE

labkem

M.W.: 147.02 CAS: 10035-04-8 EC: 233-140-8 EC INDEX: 017-013-00-2 TARIC code: 28272000

$CaCl_2 \cdot 2H_2O$

| CALCIUM CHLORIDE DIHYDRATE EPR BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Colourless crystals<br>Assay 99 - 103%<br>pH (5%, 20°C) 4.5 - 8.5<br>$SO_4$ < 0.005%<br>F < 0.004%<br>Al < 0.0001% | As < 0.0002%<br>Cu < 0.0025%<br>Fe < 0.001%<br>Pb < 0.0005%<br>Zn < 0.0025% | | CACH-02P-1K0 | P | 1 kg | |
| CALCIUM CHLORIDE DIHYDRATE AGR BASICKEM | | | reference | packaging | | price |
| App. Colourless cryst.<br>Assay > 99.5%<br>pH (5%) 4.5 - 8<br>$SO_4$ < 0.005%<br>Al < 0.0001% | As < 0.003%<br>Fe < 0.005%<br>Pb < 0.0005% | | CACH-02A-500 | P | 500 g | |

## CALCIUM HYDROXYDE

labkem

M.W.: 74.09 CAS: 1305-62-0 EC: 215-137-3 TARIC code: 28259019

$Ca(OH)_2$

| CALCIUM HYDROXYDE AGR ACS BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 96%<br>$CaCO_3$ < 3%<br>Insol. matter < 0.03%<br>Cu < 0.0005%<br>Fe < 0.05%<br>Pb < 0.0002% | $Cl^-$ < 0.005%<br>$SO_4$ < 0.05%<br>Sr < 0.05%<br>Zn < 0.0005%<br>Heavy metals (Pb) < 0.003%<br>Insol. in HCl < 0.03% | Mg < 0.5%<br>K < 0.05%<br>Na < 0.05% | CAHY-90A-500 | P | 500 g | |

## CALCIUM NITRATE TETRAHYDRATE

M.W.: 236.15 CAS: 13477-34-4 EC: 233-332-1 TARIC code: 28342980 UN: 1454 IMDG: 5.1 III UN 1454 ADR: 5.1 III UN 1454 (E) IATA: 5.1 III UN 1454

$Ca(NO_3)_2 \cdot 4H_2O$

| CALCIUM NITRATE TETRAHYDRATE AGR ACS BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay 99.0 - 103.0%<br>Insol. matter < 0.005%<br>pH (5%, 25°C) 5.0 - 7.0<br>$Cl^-$ < 0.005%<br>Ba < 0.005% | Fe < 0.002%<br>Heavy metals (Pb) < 0.0005%<br>Mg < 0.05%<br>$SO_4$ < 0.002%<br>Na < 0.01% | K < 0.005%<br>$NO_2$ < 0.001%<br>Sr < 0.05% | CANA-04A-500 | P | 500 g | |
| | | | CANA-04A-1K0 | P | 1 kg | |

## CALCIUM SULFATE DIHYDRATE

labkem

M.W.: 172.17 CAS: 10101-41-4 EC: 231-900-3 TARIC code: 28332980

$CaSO_4 \cdot 2H_2O$

| CALCIUM SULFATE DIHYDRATE AGR ACS BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. White powder<br>Assay 99.0 - 102.0%<br>Insoluble in HCl < 0.01%<br>$CO_3$ Passes test<br>$NO_3$ Passes test<br>Free acid. ($H_2SO_4$) < 0.01% | Free alk. ($Ca(OH)_2$) < 0.01%<br>$Cl^-$ < 0.005%<br>Total N < 0.001%<br>Fe < 0.001%<br>Heavy metals (by ICP-OES) < 0.002%<br>K < 0.005% | Mg < 0.01%<br>Na < 0.2%<br>Sr < 0.05% | CASU-02A-500 | P | 500 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## CHARCOAL ACTIVATED

labkem

M.W.: 12.01 CAS: 7440-44-0 EC: 231-153-3 TARIC code: 38021000

**C**

| CHARCOAL ACTIVATED, GRANULATED 1-4 MM CHEM WD-EXTRA/W AUX | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Bulk density 454kg/m³<br>Mech. Strength 95.9%<br>Attrition 0.2%<br>Assay moisture 2.1%<br>Methylene number 25ml<br>Iodine number 998mg/g<br>Water absorption 0.88ml/g<br>pH ($H_2O$ extract) 10.4<br>Granulation Passes test | | CHAR-GWA-1K0 | P | 1 kg | |
| CHARCOAL ACTIVATED, POWDER AUX | BASICKEM | reference | packaging | | price |
| Subs. sol. in HCl < 1.0%<br>Loss on dry. (110 °C) < 10.0%<br>Ca < 0.02%<br>Cu < 0.001%<br>Fe < 0.02%<br>Melasses number < 380 | | CHAR-PWA-500 | P | 500 g | |

## CHLOROFORM

Restriction: Export restrictions

M.W.: 119.38 CAS: 67-66-3 EC: 200-663-8 EC INDEX: 602-006-00-4 TARIC code: 29031300
UN: 1888 IMDG: 6.1 III UN 1888 ADR: 6.1 III UN 1888 (E) IATA: 6.1 III UN 1888

**$CHCl_3$**



| CHLOROFORM (STABILIZED WITH AMYLENE) EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. colourless clear liquid<br>Assay >98%<br>Density at 20°C 1,475 - 1,481g/cm3<br>Stabilizer 0.0045 - 0.005%<br>$H_2O$ <0.02%<br>Res. on evap. <0.002%<br>Ionized Cl <0.0001%<br>Ald. <0.005%<br>Free chlorine <0.0001%<br>Fosgen Passes test<br>Metallic imp. Passes test<br>Org. subs. Carb. with $H_2SO_4$ Passes test<br>Free Ac.andFos.(HCl) <0.0001% | | CHLF-S0T-1K0 | G PEHD | 1 L | |
| | | CHLF-S0T-5K0 | M | 5 L | |
| | | CHLF-S0T-20K | M | 20 L | |
| CHLOROFORM (STABILIZED WITH AMYLENE) AGR | BASICKEM | reference | packaging | | price |
| App. Colourless/clear liquid<br>Assay >98.5%<br>Density at 20°C 1.475 - 1.481g/ml<br>Stabilizer 0.0045 - 0.0055%<br>$H_2O$ <0.015%<br>Res. on evap. <0.0006%<br>Ionized Cl <0.00003%<br>Ald. <0.005%<br>Free chlorine <0.00005%<br>Fosgen Passes test<br>Metallic imp. Passes test<br>Org. subs. Carb. with $H_2SO_4$ Passes test<br>Free Ac.andFos.(HCl) <0.0001% | | CHLF-S0A-1K0 | G PEHD | 1 L | |
| | | CHLF-S0A-2K5 | G PETG | 2,5 L | |

## CITRIC ACID ANHYDROUS

labkem

TARIC code: 29181400 M.W.: 192.13 CAS: 77-92-9

**$(HOOCCH_2)_2C(OH)COOH$**



| CITRIC ACID ANHYDROUS AGR PH.EUR. | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay (anhydrous substance) 99.7 - 100.3%<br>Identification Conforms<br>Appearance of solution Passes test<br>Readily carbonisable substances Passes test<br>Oxalic acid ($H_2C_2O_4$) < 100mg/kg<br>Loss on drying < 0.5%<br>Residue on calcination < 0.05%<br>Sulfates ($SO_4$) < 100mg/kg<br>Residue on roasting ($SO_4$) < 0.05%<br>Arsenic (As) < 1mg/kg<br>Manufactured by fermentation of carbohydrates containing raw materials like glucose syrupfrom maize as well as molasses and sugar from sugar beet or sugar cane upon a NON-GMO agreement. | | CITA-A0A-1K0 | P | 1 kg | |
| | | CITA-A0A-5K0 | P | 5 kg | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## CITRIC ACID MONOHYDRATE

labkem

M.W.: 210.14 CAS: 5949-29-1 EC: 201-069-1 TARIC code: 29181400

$C_6H_8O_7 \cdot H_2O$

| CITRIC ACID MONOHYDRATE EPR PH.EUR. | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Identification Passes test<br>Assay (Acidim,dried basis) 99.5 - 100.5%<br>Appearance of solution Passes test<br>Sulphated ash < 0.05%<br>Oxalic acid ($H_2C_2O_4$) < 0.036%<br>Arsenic (As) < 0.0003% | Sulfates ($SO_4$) < 0.015%<br>Heavy metals (Pb) < 0.001%<br>Subs.darkd.by hot H2SO4 Passes test<br>Water ($H_2O$) 7.5 - 9.0% | CITA-01P-1K0 | P | 1 kg | |
| | | CITA-01P-5K0 | P | 5 kg | |
| **CITRIC ACID MONOHYDRATE AGR** | **BASICKEM** | **reference** | **packaging** | | **price** |
| Assay 99.5 - 100.5%<br>Res. on roast. < 0.03%<br>Insol. matter < 0.005%<br>React. ag. $H_2SO_4$ Passes test<br>$Cl^-$ < 0.001%<br>$PO_4$ < 0.001% | Fe < 0.0005%<br>Heavy metals (Pb) < 0.0005%<br>$SO_4$ < 0.01%<br>Ca < 0.005% | CITA-01A-500 | P | 500 g | |

## COBALT (II) CHLORIDE HEXAHYDRATE

labkem

M.W.: 237.93 CAS: 7791-13-1 EC: 231-589-4 EC INDEX: 027-004-00-5 TARIC code: 28273930
UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077

$CoCl_2 \cdot 6H_2O$

| COBALT (II) CHLORIDE HEXAHYDRATE EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay 98 - 102%<br>App. purple crystals<br>Insol. matter < 0.01%<br>Alk. metals/Earth met. < 0.2%<br>Heavy metals (Cu) < 0.01% | Ni < 0.25%<br>Fe < 0.005%<br>$SO_4$ < 0.01%<br>Zn < 0.01% | COCH-06P-1K0 | P | 1 kg | |
| **COBALT (II) CHLORIDE HEXAHYDRATE AGR** | **BASICKEM** | **reference** | **packaging** | | **price** |
| Assay > 99%<br>Heavy metals (Cu) < 0.005%<br>Insol. matter < 0.005%<br>Ash ($SO_4$) < 0.1%<br>Ni < 0.15% | N Comp. (N) < 0.005%<br>Fe < 0.02%<br>$SO_4$ < 0.005%<br>Zn < 0.005% | COCH-06A-250 | P | 250 g | |

## COBALT (II) NITRATE HEXAHYDRATE

labkem

M.W.: 291.04 CAS: 10026-22-9 EC: 233-402-1 EC INDEX: 027-009-00-2 TARIC code: 28342920
UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077

$Co(NO_3)_2 \cdot 6H_2O$

| COBALT (II) NITRATE HEXAHYDRATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Red-brown crystals<br>Assay > 99%<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.005%<br>Ni < 0.05% | Fe < 0.001%<br>$SO_4$ < 0.005%<br>Ca < 0.005%<br>Cu < 0.001%<br>Mg < 0.005% | Na < 0.05%<br>K < 0.01%<br>Pb < 0.001%<br>Zn < 0.005% | CONA-06A-250 | P | 250 g | |

## CONDUCTIVITY STANDARDS *SEE P. 322*

## COPPER (II) CHLORIDE DIHYDRATE

labkem

M.W.: 170.48 CAS: 10125-13-0 EC: 231-210-2 TARIC code: 28273985 UN: 2802 IMDG: 8 III
UN 2802 ADR: 8 III UN 2802 (E) IATA: 8 III UN 2802

$CuCl_2 \cdot 2H_2O$

| COPPER (II) CHLORIDE DIHYDRATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99%<br>pH (5% in dry $CO_2$) 2.8 - 3.8<br>Iron (Fe) < 0.007%<br>Nickel (Ni) < 0.005%<br>Nitrogen (N) compounds < 0.004%<br>Calcium (Ca) < 0.002% | Magnesium (Mg) < 0.002%<br>Sulfates ($SO_4$) < 0.005%<br>Arsenic (As) < 0.0001%<br>Lead (Pb) < 0.004% | CUCH-02A-100 | P | 100 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## COPPER (II) NITRATE TRIHYDRATE

labkem

M.W.: 241,60 CAS: 10031-43-3 EC: 221-838-5 TARIC code: 28342940 UN: 3260 IMDG: 8 II UN 3260 ADR: 8 II UN 3260 IATA: 8 II UN 3260

$Cu(NO_3)_2 \cdot 3H_2O$

| COPPER (II) NITRATE TRIHYDRATE EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.0%<br>App. Blue crystals<br>Insol. matter < 0.01%<br>$Cl^-$ < 0.005%<br>Ca, K, Na < 0.15%<br>Fe < 0.002%<br>$SO_4$ < 0.01% | | CUNA-03A-500 | P | 500 g | |

## COPPER SHEET

labkem

M.W.: 65.55 CAS: 7440-50-8 EC: 231-159-6 TARIC code: 90230010

**Cu**

| COPPER SHEET 85 X 25 X 1 MM GLR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Approximated dimensions 100 x 30 x 0.8 mm | | CUSH-001-010 | | 10 un. | |

## COPPER (II) SULFATE ANHYDRIDE

labkem

M.W.: 159,61 CAS: 7758-98-7 EC: 231-847-6 EC INDEX: 029-004-00-0 TARIC code: 28332500 UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 (E) IATA: 9 III UN 3077

$CuSO_4$

| COPPER (II) SULFATE ANHYDROUS AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Greenish/grey powder<br>Assay > 99.0%<br>$Cl^-$ < 0.005%<br>Fe < 0.005%<br>Loss on dry. (250 °C) < 1.0%<br>Subst. not pptd. by $H_2S$ < 0.2%<br>Insol. matter < 0.01%<br>N Comp. (N) < 0.002%<br>Pb < 0.01%<br>Other metals (Ni) < 0.01% | | CUSU-A0A-250 | P | 250 g | |

## COPPER (II) SULFATE PENTAHYDRATE

labkem

M.W.: 249.68 CAS: 7758-99-8 EC: 231-847-6 EC INDEX: 029-004-00-0 TARIC code: 28332500 UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077

$CuSO_4 \cdot 5H_2O$

| COPPER (II) SULFATE PENTAHYDRATE EPR PH. EUR., USP | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay 99.0 - 101.0%<br>$Cl^-$ < 0.01%<br>Pb < 0.005%<br>Loss on dry. (250 °C) 35.0 - 36.5%<br>K < 0.01%<br>App. of sol. conforms<br>Fe < 0.003%<br>Ca < 0.005%<br>Ni < 0.005%<br>Na < 0.02% | | CUSU-05T-500 | P | 500 g | |
| | | CUSU-05T-1K0 | P | 1 kg | |
| **COPPER (II) SULFATE PENTAHYDRATE AGR ACS** | **BASICKEM** | **reference** | **packaging** | | **price** |
| Assay 98.0 - 102.0%<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.001%<br>N Comp. (N) < 0.002%<br>Ni < 0.005%<br>Fe < 0.003%<br>Ca < 0.005%<br>Na < 0.02%<br>K < 0.01% | | CUSU-05A-500 | P | 500 g | |
| | | CUSU-05A-1K0 | P | 1 kg | |

## CRESOL RED *SEE P. 434*

## CULTURE MEDIA FOR MICROBIOLOGY *SEE P. 48*

## CYCLOHEXANE

Restriction: Hydrocarbons

M.W.: 84,16 CAS: 110-82-7 EC: 203-806-2 EC INDEX: 601-017-00-1 TARIC code: 29021100
UN: 1145 IMDG: 3 II UN 1145 ADR: 3 II UN 1145 (D/E) IATA: 3 II UN 1145

$C_6H_{12}$

| CYCLOHEXANE GLR — BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.9%<br>App. Clear colourless liquid<br>Chlorine < 0.0001%<br>S comp. < 0.0001%<br>Benzene < 0.01% | Arom. Comp. < 0.015%<br>N Comp. (N) < 0.0001%<br>Non-Vol. Mat. < 0.002% | CYHX-P0P-1K0 | P CODEX | 1 L | |
| | | CYHX-P0P-5K0 | P CODEX | 5 L | |
| **CYCLOHEXANE HPLC GGR — INSTRUKEM** | | **reference** | **packaging** | | **price** |
| Assay > 99.5%<br>Water (KF) > 0.01%<br>Acidity > 0.0005meq/g<br>Res. on evap. > 0.0005%<br>UV-Tr. (1cm;Wat.) 210 nm < 60%<br>UV-Tr. (1cm;Wat.) 220 nm < 80% | UV-Tr. (1cm;Wat.) 230 nm < 95%<br>UV-Tr. (1cm;Wat.) 240 nm < 98%<br>UV-Tr. (1cm;Wat.) 250 nm < 99%<br>F254 nm (Quinine) > 0.0000001%<br>F365 nm (Quinine) > 0.0000001% | CYHX-00H-2K5 | G GL45 | 2,5 L | |
| | | CYHX-00H-P04 | G GL45 | 4 x 2,5 L | |

## CYCLOHEXANONE

M.W.: 98,15 CAS: 108-94-1 EC: 203-631-1 EC INDEX: 606-010-00-7 TARIC code: 29142200
UN: 1915 IMDG: 3 III UN 1915 ADR: 3 III UN 1915 (D/E) IATA: 3 III UN 1915

$C_6H_{10}O$

| CYCLOHEXANONE AGR — BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Clear colourless liquid<br>Assay > 99.5%<br>Density at 20°C 0.945 - 0.947g/ml<br>Refractive index 1.450 - 1.451<br>$H_2O$ < 0.2%<br>Acid. (Acetic acid) < 0.02% | $C_6H_{12}$ Cyclohexanol < 0.2%<br>Cu < 0.00005%<br>Fe < 0.0001%<br>Pb < 0.00005%<br>Non-Vol. Mat. < 0.02% | CYHN-00A-500 | G | 500 ml | |

## DETERGENTS FOR LABORATORY USE *SEE P. 360*

Material safety data sheets and certificates of analysis are downloadable free of charge at www.labbox.eu.

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The information about our products (specifications, transportation regulations, etc.) may be updated throughout the year. Please visit our website to check for possible updates on our products.

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## DICHLOROMETHANE

labkem

M.W.: 84.93 CAS: 75-09-2 EC: 200-838-9 EC INDEX: 602-004-00-3 TARIC code: 29031200
UN: 1593 IMDG: 6.1 III UN 1593 ADR: 6.1 III UN 1593 (E) IATA: 6.1 III UN 1593

$CH_2Cl_2$



| DICHLOROMETHANE (STABILIZED WITH AMYLENE) 99.9% GLR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.95%<br>Colour (Hazen) < 10<br>$H_2O$ < 0.01%<br>Acidity (HCl) < 0.0005%<br>Res. on evap. < 0.001%<br>Amylene (Stab.) 0.0040 - 0.0060% | DCHM-P0P-1K0 | P GL45 | 1 L | |
| | DCHM-G0P-1K0 | G PP28 | 1 L | |
| | DCHM-P0P-5K0 | P GL80 | 5 L | |
| | DCHM-P0P-10K | P GL80 | 10 L | |
| | DCHM-M0P-25K | M | 25 L | |

| DICHLOROMETHANE (STABILIZED WITH AMYLENE) AGR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.5%<br>Water (KF) < 0.02%<br>Free acid (HCl) < 0.001%<br>Colour (Hazen) < 10<br>Free Halides Passes test<br>Non-Vol. Mat. < 0.001% | DCHM-00A-1K0 | G PP28 | 1 L | |

| DICHLOROMETHANE (STABILIZED WITH AMYLENE) AGR ACS, ISO, PH. EUR. — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.8%<br>Stabiliz. w/ Amylene<br>Free Acid < 0.001%<br>$H_2O$ < 0.01%<br>$Cl^-$ < 0.00005%<br>Res. on evap. < 0.002%<br>Ni < 0.000002%<br>B < 0.000002%<br>Ba < 0.00001%<br>Fe < 0.00001%<br>Al < 0.00005%<br>Ca < 0.00005%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>Mn < 0.000002%<br>Free chlorine < 0.00002%<br>Co < 0.000002%<br>$CCl_4$ < 0.01%<br>Mg < 0.00001%<br>Chloroform < 0.01%<br>Formaldehyde < 0.0005%<br>Pb < 0.00001%<br>Cd < 0.000005%<br>Sn < 0.00001%<br>Zn < 0.00001% | DCHM-0IA-1K0 | P GL45 | 1 L | |
| | DCHM-0IA-2K5 | P GL45 | 2,5 L | |
| | DCHM-0IA-P04 | P GL45 | 4 x 2,5 L | |

| DICHLOROMETHANE (STABILIZED WITH AMYLENE) HPLC GGR — INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.8%<br>Water (KF) < 0.01%<br>Acidity < 0.0005meq/g<br>Alkalinity < 0.0005%<br>Non-Vol. Mat. < 0.0005%<br>Stabilizer (amylene) 0.005%<br>Res. on ignition < 0.0002%<br>UV-Tr. (1cm;Wat.) 235 nm > 40%<br>UV-Tr. (1cm;Wat.) 240 nm > 75%<br>UV-Tr. (1cm;Wat.) 250 nm > 98%<br>UV-Tr. (1cm;Wat.) 260 nm > 99% | DCHM-0GH-2K5 | G GL45 | 2,5 L | |
| | DCHM-0GH-P04 | G GL45 | 4 x 2,5 L | |

## DIETHANOLAMINE

labkem

M.W.: 105.14 CAS: 111-42-2 EC: 203-868-0 EC INDEX: 603-071-00-1 TARIC code: 29221200

$NH(CH_2CH_2OH)_2$



| DIETHANOLAMINE 99% AGR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99%<br>$H_2O$ < 0.15%<br>Triethanolamine < 0.3%<br>Colour (Hazen) < 15<br>$Cl^-$ < 0.001%<br>Ethanolamine < 0.3%<br>Ash ($SO_4$) < 0.002%<br>Fe < 0.0001%<br>Heavy metals (Pb) < 0.0001% | DETA-00A-500 | G GL45 | 500 ml | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## DIETHYLETHER

Restriction: Drugs precursor Cat. 3 labkem

M.W.: 74.12 CAS: 60-29-7 EC: 200-467-2 EC INDEX: 603-022-00-4 TARIC code: 29091100
UN: 1155 IMDG: 3 I UN 1155 ADR: 3 I UN 1155 (D/E) IATA: 3 I UN 1155

$(C_2H_5)_2O$

| DIETHYLETHER EPR STABILIZED WITH <0.002% HYDROQUINONE | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.5%<br>Non-Vol. Mat. < 0.002%<br>$H_2O$ < 0.2%<br>Peroxides < 0.0002% | | DETE-00T-1K0 | G GL45 | 1 L | |
| | | DETE-00T-2K5 | G GL45 | 2,5 L | |
| | | DETE-00T-P04 | G GL45 | 4 x 2,5 L | |

| DIETHYLETHER AGR ACS, ISO, STABILIZED WITH BHT | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 99.5%<br>Non-Vol. Mat. < 0.001%<br>$H_2O$ < 0.03%<br>Free Acid < 0.0002%<br>Al < 0.00005%<br>B < 0.000002%<br>Ba < 0.00001%<br>Ca < 0.00005%<br>Cd < 0.000005%<br>Co < 0.000002%<br>Cr < 0.000002% | Cu < 0.000002%<br>Fe < 0.000005%<br>Mg < 0.00001%<br>Mn < 0.000002%<br>Ni < 0.000002%<br>Pb < 0.000005%<br>Sn < 0.00001%<br>Zn < 0.000005%<br>Acetone < 0.005%<br>Aldehydes < 0.00007%<br>Carbonyl comp. < 0.001% | EtOH < 0.02%<br>Methanol < 0.02%<br>$H_2O_2$ < 0.0001%<br>S < 0.00006%<br>Colour (Hazen) < 10<br>Density at 20°C 0.712 - 0.714g/ml<br>Res. on evap. < 0.001%<br>Subs. dark. by $H_2SO_4$ Passes test | | DETE-0IA-1K0 | G GL45 | 1 L | |
| | | | | DETE-0IA-2K5 | G GL45 | 2,5 L | |
| | | | | DETE-0IA-P04 | G GL45 | 4 x 2,5 L | |
| | | | | DETE-0IA-5K0 | Al | 5 L | |

## DIMETHYL SULFOXIDE

labkem

M.W.: 78.13 CAS: 67-68-5 EC: 200-664-3 TARIC code: 29309095

$(CH_3)_2SO$

| DIMETHYL SULFOXIDE AGR ACS | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99.9%<br>Non-Vol. Mat. < 0.001%<br>$H_2O$ < 0.1%<br>Free Acid < 0.0002%<br>Fe < 0.0001% | Heavy metals (Pb) < 0.0001%<br>Res. on evap. < 0.01%<br>Acidity < 0.001% | | DMSO-00A-1K0 | G GL45 | 1 L | |

| DIMETHYL SULFOXIDE HPLC GGR | | INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| UV Absorbance<br>UV-Abs. max. lim. (263 nm) <1.0<br>UV-Abs. max. lim. (270 nm) <0.4<br>UV-Abs. max. lim. (290 nm) <0.18<br>UV-Abs. max. lim. (310 nm) <0.06<br>UV-Abs. max. lim. (330 nm) <0.02<br>UV-Abs. max. lim. (350 nm) <0.01 | UV Cutoff <263nm<br>Assay >99.5%<br>Colour (Hazen) <10<br>Water (KF) <0.05%<br>Res. on evap. <0.0005%<br>Titr. acid <0.001ppm | | DMSO-0GH-2K5 | G GL45 | 2,5 L | |
| | | | DMSO-0GH-P04 | G GL45 | 4 x 2,5 L | |

## N,N-DIMETHYLFORMAMIDE

M.W.: 73.09 CAS: 68-12-2 EC: 200-679-5 EC INDEX: 616-001-00-X TARIC code: 29241900
UN: 2265 IMDG: 3 III UN 2265 ADR: 3 III UN 2265 (D/E) IATA: 3 III UN 2265

$(CH_3)_2NCHO$

| N,N-DIMETHYLFORMAMIDE 99.9% GLR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99.9%<br>App. Clear liquid<br>Colour (Hazen) < 10<br>Water < 0.05%<br>Acidity (HCOOH) < 0.001% | Alkalinity < 0.001%<br>Methanol < 0.005%<br>Density at 20°C 0.948 - 0.952g/ml | | DMFO-P0P-1K0 | P COEX | 1 L | |
| | | | DMFO-P0P-5K0 | P COEX | 5 L | |
| | | | DMFO-P0P-25K | P | 25 L | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## DIPHENYLAMINE

Restriction: Export restrictions

M.W.: 169.23 CAS: 122-39-4 EC: 204-539-4 EC INDEX: 612-026-00-5 TARIC code: 29214400
UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077

$(C_6H_5)_2NH$

| DIPHENYLAMINE AGR ACS BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99%<br>Melting range 52.5 - 54°C<br>Iron (Fe) < 0.001%<br>Sensitivity to $NO_3$ < 1:1600000<br>Insolubility in Ethanol ($CH_3CH_2OH$) Passes test<br>Nitrates ($NO_3$) No reaction | Aniline < 0.01%<br>Copper (Cu) < 0.001%<br>Residue on roasting ($SO_4$) < 0.03%<br>Nickel (Ni) < 0.001%<br>Lead (Pb) < 0.001% | DIPA-00A-100 | G | 100 g | |

## ELECTRODE MAINTENANCE SOLUTIONS *SEE P. 319*

## ERIOCHROME BLACK T *SEE P. 434*

Material safety data sheets and certificates of analysis are downloadable free of charge at www.labbox.eu.

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## ETHYL ACETATE

M.W.: 88,10 CAS: 141-78-6 EC: 205-500-4 EC INDEX: 607-022-00-5 TARIC code: 29153100
UN: 1173 IMDG: 3 II UN 1173 ADR: 3 II UN 1173 (D/E) IATA: 3 II UN 1173

$CH_3COOC_2H_5$



| ETHYL ACETATE 99.8% GLR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.8%<br>App. Clear liquid<br>$H_2O$ < 0.03%<br>EtOH < 0.05%<br>Acid. (Acetic acid) < 0.005%<br>Density at 20°C 0.900 - 0.903g/ml | ETAC-P0P-1K0 | P COEX | 1 L | |
| | ETAC-P0P-5K0 | P COEX | 5 L | |
| | ETAC-P0P-10K | P COEX | 10 L | |
| | ETAC-M0P-25K | M | 25 L | |

| ETHYL ACETATE AGR ACS ISO PH.EUR. — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.5%<br>$H_2O$ < 0.05%<br>Free Acid < 0.005%<br>Methanol < 0.1%<br>Ba < 0.00001%<br>Res. on evap. < 0.002%<br>Ni < 0.000002%<br>B < 0.000002%<br>Fe < 0.00001%<br>Al < 0.00005%<br>Ca < 0.00005%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>EtOH < 0.1%<br>Mn < 0.000002%<br>Co < 0.000002%<br>Mg < 0.00001%<br>Pb < 0.00001%<br>Cd < 0.000005%<br>Sn < 0.00001%<br>Zn < 0.00001% | ETAC-0IA-1K0 | G GL45 | 1 L | |
| | ETAC-0IA-2K5 | G GL45 | 2,5 L | |
| | ETAC-0IA-P04 | G GL45 | 4 x 2,5 L | |

| ETHYL ACETATE HPLC GGR — INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.8%<br>Water (KF) < 0.02%<br>Acidity < 0.0005meq/q<br>Non-Vol. Mat. < 0.0005meq/g<br>UV-Abs. max. lim. (270 nm) < 0.025<br>Nueva linea < 0.15<br>UV Cutoff < 255<br>UV-Abs. max. lim. (260 nm) < 0.15<br>UV-Abs. max. limit (255 nm) < 1.00<br>Nueva linea < 1.00 | ETAC-0GH-2K5 | G GL45 | 2,5 L | |
| | ETAC-0GH-P04 | G GL45 | 4 x 2,5 L | |

## ETHYLENE GLYCOL

M.W.: 62.07 CAS: 107-21-1 EC: 203-473-3 EC INDEX: 603-027-00-1 TARIC code: 29053100

$HOCH_2CH_2OH$



| ETHYLENE GLYCOL 99% GLR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99%<br>App. Clear liquid<br>Colour (Hazen) < 10<br>Acid. (Acetic acid) < 0.005%<br>Density at 20°C 1.113 - 1.115g/ml<br>Boiling range 190 - 208°C | ETGL-P0P-1K0 | P | 1 L | |
| | ETGL-P0P-5K0 | P | 5 L | |
| | ETGL-M0P-25K | M | 25 L | |

| ETHYLENE GLYCOL AGR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| App. Colourless oily liquid<br>Assay (GC) > 99%<br>Density (20ºC) approx. 1,11g/ml<br>$H_2O$ < 0.2%<br>Acid. (Acetic acid) < 0.001%<br>Res. on roasting < 0.005%<br>$Cl^-$ < 0.0005%<br>$SO_4$ < 0.002%<br>Heavy metals (Pb) < 0.0001%<br>Fe < 0.00005% | ETGL-00A-1K0 | G PP28 | 1 L | |

## EDTA - ETHYLENEDIAMINETETRAACETIC ACID

labkem

M.W.: 292.24 CAS: 60-00-4 EC: 200-449-4 TARIC code: 29224985

$C_{10}H_{16}N_2O_8$



| EDTA - ETHYLENEDIAMINETETRAACETIC ACID AGR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 98%<br>App. white/crystal. powder<br>Ash ($SO_4$) < 0.1%<br>$Cl^-$ < 0.005%<br>Ni < 0.001%<br>Fe < 0.001%<br>Ca < 0.002%<br>Cu < 0.001%<br>Mg < 0.0005%<br>Pb < 0.001% | EDTA-00A-1K0 | P | 1 kg | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## EDTA - ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT DIHYDRATE

labkem

M.W.: 372.24 CAS: 6381-92-6 EC: 205-358-3 TARIC code: 29224985 $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$

| EDTA - ETHYLENEDIAMINETETRAACETIC ACID DISODIUM SALT DIHYDRATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay 99 - 101%<br>pH (5%) 4 - 5<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.01%<br>CN < 0.001%<br>Nitrilotriacetic acid < 0.05% | $H_2O$ 9 - 10%<br>Fe < 0.0005%<br>$SO_4$ < 0.02%<br>Heavy metals (Pb) < 0.001% | EDTA-01A-500 | P | 500 g | |

## EDTA DISODIUM SALT, VOLUMETRIC SOLUTIONS

labkem

M.W.: 372.24 CAS: 6381-92-6 EC: 205-358-3 TARIC code: 29224985 $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$

| ETHYLENEDIAMINETETRAACETIC ACID (EDTA) DISODIUM SALT VOLUMETRIC SOLUTION 0.1 M (0.2 N) VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Concentration (M) 0.0996 - 0.1004M<br>Concentration (N) 0.1992 - 0.2008N<br>Tolerance (M) 0.0004M<br>Tolerance (N) 0.0008N | | EDTA-01V-1K0 | P | 1 L | |

## FEHLING A REAGENT

labkem

TARIC code: 38229000 UN: 3082 IMDG: 9 III UN 3082 ADR: 9 III UN 3082 IATA: 9 III UN 3082

| FEHLING A REAGENT AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. blue liquid<br>Density at 20°C approx. 1,08<br>$CuSO_4.5H_2O$ 6 - 7.5%<br>Lane and Eynon modification<br>Mix with Fehling's Solution B in equal volumes before use. | Fehling's solution prepared in accordance with a specific.<br>approved by the British Sugar Corporation<br>Reducing sugars give a red precipitate. | FEHL-A0A-1K0 | P | 1 L | |

## FEHLING B REAGENT

labkem

TARIC code: 38229000 UN: 1824 IMDG: 8 II UN 1719 ADR: 8 II UN 1719 (E) IATA: 8 II UN 1719

| FEHLING B REAGENT AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Colourless clear liquid<br>Density at 20°C approx 1.25g/ml<br>$C_4H_4KNaO_4.4H_2O$ 33.0 - 36.0%<br>NaOH 9.0 - 11.0%<br>Lane and Eynon modification | Mix with Fehling's Solution A in equal volumes before use.<br>Fehling's solution prepared in accordance with a specific.<br>approved by the British Sugar Corporation<br>Reducing sugars give a red precipitate. | FEHL-B0A-1K0 | P | 1 L | |

## FORMALDEHYDE FOR HISTOLOGY *SEE P. 61*

Material safety data sheets and certificates of analysis are downloadable free of charge at www.labbox.eu.

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LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## FORMALDEHYDE, CONCENTRATED SOLUTION STABILIZED WITH METHANOL

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M.W.: 30.03 CAS: 50-00-0 EC: 200-001-8 EC INDEX: 603-001-00-X TARIC code: 29121100
UN: 2209 IMDG: 8 III UN 2209 ADR: 8 III UN 2209 (E) IATA: 8 III UN 2209

**$CH_2O$**



| FORMALDEHYDE, SOLUTION 35-40% GLR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay 35 - 40%<br>App. colourless and clear<br>Content of MeOH 10 - 15% w/v | FORM-C0P-5K0 | P | 5 L | |

| FORMALDEHYDE, SOLUTION 37% EPR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay 36 - 38%<br>App. Colourless clear liq.<br>Org. Ac. (HCOOH) < 0.05%<br>$Cl^-$ < 0.0005%<br>Methanol 10 - 15% (V/V)<br>Ash ($SO_4$) < 0.005%<br>Density at 20°C 1.07 - 1.09g/ml<br>$SO_4$ < 0.005%<br>Fe < 0.0005%<br>Heavy metals (Pb) < 0.0005% | FORM-00T-1K0 | G PP28 | 1 L | |
| | FORM-00T-2K5 | P | 2,5 L | |
| | FORM-00T-5K0 | P | 5 L | |
| | FORM-00T-20K | P | 20 L | |

| FORMALDEHYDE, SOLUTION 40% AGR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay 37 - 41%<br>Appearance Clear colourless liquid<br>Iron (Fe) < 0.0001%<br>Organic acids (HCOOH) < 0.03%<br>Chloride ($Cl^-$) < 0.0001%<br>Residue on roasting < 0.002%<br>Density at 20°C 1.081 - 1.092g/ml<br>Sulfates ($SO_4$) < 0.002%<br>Heavy metals Passes test | FORM-00A-1K0 | G PP28 | 1 L | |

## FORMIC ACID

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M.W.: 46.03 CAS: 64-18-6 EC: 200-579-1 TARIC code: 29151100 UN: 1779 IMDG: 8 (3) II UN 1779 ADR: 8 (3) II UN 1779 (D/E) IATA: 8 (3) II UN 1779

**HCOOH**



| FORMIC ACID 98% AGR ACS — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99%<br>Non-Vol. Mat. < 0.001%<br>$NH_4$ < 0.001%<br>Ag < 0.000002%<br>Ba < 0.000002%<br>Al < 0.000005%<br>Be < 0.000002%<br>Bi < 0.00001%<br>Ca < 0.00002%<br>Cd < 0.000005%<br>Co < 0.000002%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>Fe < 0.0002%<br>Ge < 0.000005%<br>K < 0.00001%<br>Li < 0.000002%<br>Mg < 0.00005%<br>Mn < 0.000005%<br>Mo < 0.000002%<br>Na < 0.00005%<br>Ni < 0.000005%<br>Pb < 0.000002%<br>Sr < 0.000002%<br>Ti < 0.00001%<br>Tl < 0.000005%<br>V < 0.000005%<br>Zn < 0.000005%<br>Zr < 0.00001%<br>$Cl^-$ < 0.0005%<br>Oxalate < 0.005%<br>$SO_4$ < 0.0005%<br>$SO_3$ < 0.001%<br>Acetic acid < 0.005%<br>Colour (Hazen) < 10<br>Res. on evap. < 0.003%<br>Heavy metals (Pb) < 0.001% | FORA-A0A-1K0 | P GL45 | 1 L | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## D(-)-FRUCTOSE

labkem

M.W.: 180.16 CAS: 57-48-7 EC: 200-333-3 TARIC code: 17025000 $C_6H_{12}O_6$

| D(-)-FRUCTOSE EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. White powder or crystals<br>Identity Passes test<br>App. and col. of solution Passes test<br>$H_2O$ < 0.5%<br>Acidity Passes test<br>Ash ($SO_4$) < 0.1%<br>Specific opt. rot. 91 - 93.5° | | $Cl^-$ < 0.005%<br>$SO_4$ < 0.005%<br>As < 0.0001%<br>Ba Passes test<br>Pb < 0.00005% | | FRUC-00T-500 | P | 500 g | |
| **D(-)-FRUCTOSE AGR** | | | **BASICKEM** | **reference** | **packaging** | | **price** |
| App. White crystalline powder<br>Assay > 99%<br>Spec. Rot. -93.5 - -91°<br>Insoluble matter < 0.005%<br>Water < 0.5%<br>Ash ($SO_4$) < 0.1% | $Cl^-$ < 0.01%<br>$SO_4$ < 0.02%<br>D(+)Glucose < 0.5%<br>Calcium & Magnesium < 0.005%<br>Heavy metal (as Pb )< 0.0005%<br>As < 0.0001% | Ba Passes test<br>Cu < 0.0025%<br>Pb < 0.00001%<br>Zn < 0.0025% | | FRUC-00A-250 | P | 250 g | |

## D(+)-GLUCOSE ANHYDROUS

labkem

M.W.: 180,16 CAS: 50-99-7 EC: 200-075-1 TARIC code: 17023050 $C_6H_{12}O_6$

| D(+)-GLUCOSE ANHYDROUS EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. White crystalline powder<br>Solubility Freely soluble in water, sparingly soluble in ethanol (95 %)<br>Identification 'A' When heated it melts, swells up and burns and an odour of burnt sugar is perceptible<br>Identification 'B' A copious red precipitate is formed with potassium cupri tartrate solution<br>Appearance and odour of solution Solution | is clear not more intensly coloured than refrence solution BYS7 and odourless<br>Acidity or alkalinity NMT 0.15 ml of 0.1M NaOH is required to change the colour of solution to pink<br>Spec. Rot. +52.5 - +53.3°<br>As < 0.0001%<br>Heavy metal < 0.0005%<br>$Cl^-$ < 0.0125%<br>Sulphite To pass IP test | Ba To pass IP test<br>Foreign sugars, soluble starch and dextrins To pass IP test<br>Ash ($SO_4$) < 0.1%<br>Water < 1%<br>Bacterial endotoxin Not more than 0.5 Endotoxin unit/ml of a 5% w/v solution | | GLUC-A0T-500 | P | 500 g | |
| | | | | GLUC-A0T-1K0 | P | 1 kg | |

## D(+)-GLUCOSE ANHYDROUS FOR CULTURE MEDIA *SEE P. 57*

## GLYCEROL

M.W.: 92.09 CAS: 56-81-5 EC: 200-289-5 TARIC code: 29054500 $(HOCH_2)_2CHOH$

| GLYCEROL (VEGETAL ORIGIN) USP GLR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 99%<br>App. Clear liquid<br>Colour (Hazen) < 10<br>Water < 1%<br>$Cl^-$ < 0.001%<br>Specific gravity > 1.249g/$cm^3$ | | Fat. ac. and esters < 0.01meq/g<br>Refractive index > 1.47<br>Chlorinated comp < 0.003%<br>Heavy metals (Pb) < 0.0005%<br>Aldehydes < 0.001% | | GLIO-P0P-1K0 | P | 1 L | |
| | | | | GLIO-P0P-5K0 | P | 5 L | |
| | | | | GLIO-P0P-10K | P | 10 L | |
| | | | | GLIO-M0P-25K | M | 25 L | |
| **GLYCEROL 99% AGR** | | | **BASICKEM** | **reference** | **packaging** | | **price** |
| Assay > 99%<br>$H_2O$ < 1%<br>Colour (Hazen) < 10<br>Acidity < 0.05meq/g<br>Alkalinity < 0.03meq/g<br>Ash ($SO_4$) < 0.005% | $NH_4$ < 0.0005%<br>As < 0.0001%<br>Heavy metals (Pb) < 0.0001%<br>Fe < 0.0001%<br>$Cl^-$ < 0.0001%<br>$SO_4$ < 0.0005% | R.C.S. Passes test<br>Fat. ac. and esters < 0.05%<br>Glyceraldehyde < 0.003% | | GLIO-00A-1K0 | P GL45 | 1 L | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## GLYCINE

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M.W.: 75.06 CAS: 56-40-6 EC: 200-272-2 TARIC code: 29224985

$H_2NCH_2COOH$

| GLYCINE AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay 99.0-101.0%<br>Identification Passes test<br>Solubility Passes test<br>App. of solution Passes test<br>pH (5% solution)5.9-6.3<br>Insoluble matter in water < 0.005%<br>Hydrolizable substance Passes test | Substance darkened by sulfuric acid<br>Passes test<br>$Cl^-$ < 0.003%<br>Heavy metals (as Pb) < 0.001%<br>$SO_4$ < 0.005%<br>Loss on drying (105ºC) < 0.2%<br>Residue on ignition < 0.05%<br>$NH_4$ < 0.005% | Fe < 0.001%<br>As < 0.0001%<br>Cu < 0.0005%<br>Ni < 0.0005%<br>Pb < 0.0005% | GLIC-00A-500 | P | 500 g | |

## HEPTANE

Restriction: Hydrocarbons

M.W.: 100.21 CAS: 142-82-5 EC: 921-510-4 EC INDEX: 601-008-00-2 TARIC code: 29011000

UN: 1206 IMDG: 3 II UN 1206 ADR: 3 II UN 1206 (D/E) IATA: 3 II UN 1206

$C_7H_{16}$

| N-HEPTANE 99% HPLC GGR | | INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99.0%<br>Water (KF) < 0.02%<br>Colour (Hazen) < 10<br>Acidity < 0.0005meq/<br>Res. on evap. < 0.0005%<br>UV-Tr. (1cm;Wat.) 210 nm > 40% | UV-Tr. (1cm;Wat.) 220 nm > 80%<br>UV-Tr. (1cm;Wat.) 230 nm > 93%<br>UV-Tr. (1cm;Wat.) 240 nm > 97%<br>UV-Tr. (1cm;Wat.) 250 nm > 98% | | HPTN-9GH-2K5 | G GL45 | 2,5 L | |
| | | | HPTN-9GH-P04 | G GL45 | 4 x 2,5 L | |

## HEPTANE, ISOMER MIX

Restriction: Hydrocarbons

M.W.: 100.21 EC: 927-510-4 TARIC code: 27101225 UN: 1206 IMDG: 3 II UN 1206 ADR: 3 II UN 1206 (D/E) IATA: 3 II UN 1206

$C_7H_{16}$

| N-HEPTANE (ISOMERS) GLR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Clear colourless liquid<br>colour (Saybolt) > 30<br>Density at 15 °C 0.69 - 0.698g/ml<br>Boiling range 90 - 100°C<br>Assay (V/V) > 95% | Arom. Comp. (v/v) < 0.005%<br>Benzene < 0.001%<br>S < 0.0001%<br>Cu corros. (ASTM D130) < 1 | | HPTN-P0P-1K0 | P COEX | 1 L | |
| | | | HPTN-G0P-1K0 | G PP28 | 1 L | |
| | | | HPTN-P0P-5K0 | P COEX | 5 L | |
| | | | HPTN-M0P-25K | M | 25 L | |

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REQUIRES REFRIGERATED TRANSPORTATION

## HEXANE

Restriction: Hydrocarbons

M.W.: 86.18 CAS: 110-54-3 EC: 925-292-5 EC INDEX: 601-037-00-0 TARIC code: 29011000
UN: 1208 IMDG: 3 II UN 1208 ADR: 3 II UN 1208 (D/E) IATA: 3 II UN 1208

| N-HEXANE 95% AGR ACS PH.EUR. — BASICKEM | | | reference | packaging | price |
|---|---|---|---|---|---|
| Assay ($C_6H_{14}$) > 95%<br>$H_2O$ < 0.01%<br>Free Acid < 0.002%<br>Res. on evap. < 0.001%<br>Ni < 0.000002%<br>B < 0.000002%<br>Ba < 0.00001%<br>Fe < 0.00001% | Al < 0.00005%<br>Ca < 0.00005%<br>Arom. Comp. < 0.01%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>Mn < 0.000002%<br>S comp. < 0.005%<br>Thiophene < 0.005% | Co < 0.000002%<br>Mg < 0.00001%<br>Pb < 0.00001%<br>Cd < 0.000005%<br>Sn < 0.00001%<br>Zn < 0.00001% | HXAN-50A-2K5 | G GL45 2,5 L | |
| | | | HXAN-50A-P04 | G GL45 4 x 2,5 L | |
| **N-HEXANE 95% HPLC GGR — INSTRUKEM** | | | reference | packaging | price |
| Assay > 95.0%<br>Water (KF) < 0.01%<br>Colour (Hazen) < 10<br>Res. on evap. < 0.0003%<br>UV-Abs. max. lim. (195 nm) < 1.00 | UV-Abs. max. lim. (210 nm) < 0.25<br>UV-abs. max. lim. (220 nm) < 0.075<br>UV-Abs. max. lim. (254 nm) < 0.005<br>UV Cutoff < 195nm | | HXAN-5GH-2K5 | G GL45 2,5 L | |
| | | | HXAN-5GH-P04 | G GL45 4 x 2,5 L | |
| **N-HEXANE 95% PESTICIDE GRADE PGR — INSTRUKEM** | | | reference | packaging | price |
| Assay > 95%<br>Water (KF) < 0.02%<br>Colour (Hazen) < 10 | Acidity < 0.0005meq/g<br>Res. on evap. < 0.0005% | | HXAN-5GC-2K5 | G GL45 2,5 L | |
| | | | HXAN-5GC-P04 | G GL45 4 x 2,5 L | |
| **N-HEXANE 99% AGR ACS PH.EUR. — BASICKEM** | | | reference | packaging | price |
| Assay > 99%<br>$H_2O$ < 0.01%<br>Free Acid < 0.002%<br>Ni < 0.000002%<br>B < 0.000002%<br>Ba < 0.00001%<br>Res. on evap. < 0.001%<br>Fe < 0.00001% | Al < 0.00005%<br>Ca < 0.00005%<br>Arom. Comp. < 0.01%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>Mn < 0.000002%<br>S comp. < 0.005%<br>Thiophene < 0.005% | Co < 0.000002%<br>Mg < 0.00001%<br>Pb < 0.00001%<br>Cd < 0.000005%<br>Sn < 0.00001%<br>Zn < 0.00001% | HXAN-90A-1K0 | G GL45 1 L | |
| | | | HXAN-90A-2K5 | G GL45 2,5 L | |
| | | | HXAN-90A-P04 | G GL45 4 x 2,5 L | |

## HEXANE, ISOMER MIX

Restriction: Hydrocarbons

M.W.: 86.18 EC: 925-292-5 EC INDEX: 601-037-00-0 TARIC code: 27101225 UN: 1208
IMDG: 3 II UN 1208 ADR: 3 II UN 1208 (D/E) IATA: 3 II UN 1208

| N-HEXANE 95% (ISOMERS) GLR — BASICKEM | | reference | packaging | price |
|---|---|---|---|---|
| Assay (V/V) > 96%<br>App. Clear colourless liquid<br>Arom. Comp. (v/v) < 0.005%<br>Benzene < 0.001%<br>colour (Saybolt) > 30<br>S < 0.0001% | Cu corros. (ASTM D130) < 1<br>Density at 15 °C 0.665 - 0.679g/ml<br>Boiling range 62.5 - 70°C<br>Non-Vol. Mat. < 5 mg/100ml | HXAN-P0P-1K0 | P COEX 1 L | |
| | | HXAN-G0P-1K0 | G PP28 1 L | |
| | | HXAN-P0P-5K0 | P COEX 5 L | |
| | | HXAN-P0P-10K | P COEX 10 L | |
| | | HXAN-M0P-25K | M 25 L | |
| **N-HEXANE (ISOMERS) HPLC GGR — INSTRUKEM** | | reference | packaging | price |
| Assay (Isomer mix) > 99%<br>$C_6H_{14}$ Isomer Mix > 99%<br>Water (KF) < 0.01%<br>Acidity < 0.0005meq/g<br>Res. on evap. < 0.0005%<br>UV-Tr. (1cm;Wat.) 210 nm > 60% | UV-Tr. (1cm;Wat.) 220 nm > 80%<br>UV-Tr. (1cm;Wat.) 230 nm > 95%<br>UV-Tr. (1cm;Wat.) 240 nm > 98%<br>UV-Tr. (1cm;Wat.) 250 nm > 99% | HXAN-IGH-2K5 | G GL45 2,5 L | |
| | | HXAN-IGH-P04 | G GL45 4 x 2,5 L | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## HYDROCHLORIC ACID

Restriction: Drugs precursor Cat. 3

M.W.: 36.46 CAS: 7647-01-0 EC: 231-595-7 EC INDEX: 017-002-01-X TARIC code: 28061000

UN: 1789 IMDG: 8 II UN 1789 ADR: 8 II UN 1789 (E) IATA: 8 II UN 1789

**HCl**

### HYDROCHLORIC ACID 25% AGR — BASICKEM

| reference | packaging | price |
|---|---|---|
| CHAC-25A-1K0 | G PP28 1 L | |

Assay 24 - 26%
Density approx. > 1.124
Ash ($SO_4$) < 0.001%
$SO_4$ < 0.0002%
$SO_3$ < 0.0005%
Free chlorine < 0.0003%
Heavy metals (Pb) < 0.0001%
As < 0.0000005%
Fe < 0.0001%

### HYDROCHLORIC ACID 32% GLR — BASICKEM

| reference | packaging | price |
|---|---|---|
| CHAC-32P-1K0 | G PP28 1 L | |

Assay 30 - 33%
Density at 20°C 1.1494 - 1.1645g/ml

### HYDROCHLORIC ACID 35-38% EPR — BASICKEM

| reference | packaging | price |
|---|---|---|
| CHAC-00T-1K0 | G PP28 1 L | |
| CHAC-00T-2K5 | P 2,5 L | |

Assay 35 - 38
Density at 20°C 1,174 - 1,189g/ml
Ash ($SO_4$) < 0.002
$SO_4$ < 0.0005
$SO_3$ < 0.001
Free chlorine < 0.0002
Heavy metals (Pb) < 0.0002
As < 0.00001
Fe < 0.0003

### HYDROCHLORIC ACID 35-38% AGR REAG. — BASICKEM

| reference | packaging | price |
|---|---|---|
| CHAC-00A-1K0 | G PP28 1 L | |
| CHAC-00A-2K5 | P 2,5 L | |

Assay 35 - 38%
Density at 20°C 1.174 - 1.189g/ml
Ash ($SO_4$) < 0.001%
$SO_4$ < 0.0002%
$SO_3$ < 0.0005%
Free chlorine < 0.0001%
Heavy metals (Pb) < 0.0001%
Al < 0.0001%
As < 0.000005%
Cu < 0.00005%
Fe < 0.0001%
Mg < 0.00005%
Mn < 0.00005%
Ni < 0.00005%
Pb < 0.00005%
Zn < 0.00005%

### HYDROCHLORIC ACID 37% AGR ISO — BASICKEM

| reference | packaging | price |
|---|---|---|
| CHAC-0IA-1K0 | G GL45 1 L | |
| CHAC-0IA-2K5 | G GL45 2,5 L | |
| CHAC-0IA-P04 | G GL45 4 x 2,5 L | |

Assay 36.5 - 38%
Res. on ignition < 0.0005%
As < 0.000005%
Cd < 0.000001%
Cu < 0.000005%
Fe < 0.00005%
Pb < 0.000005%
Zn < 0.0001%
$NH_4$ < 0.0003%
Free chlorine < 0.00005%
$SO_3$ < 0.0002%
$SO_4$ < 0.0001%

### HYDROCHLORIC ACID 34-37% TGR FOR TRACE ANALYSIS (PPB) — INSTRUKEM

| reference | packaging | price |
|---|---|---|
| CHAC-TGR-2K5 | P GL45 2,5 L | |

Assay 34 - 37%
Use within 15 months of opening, up to unopened expiration date
Al < 0.0000001%
Sb < 0.00000005%
As < 0.00000005%
Ba < 0.00000001%
Be < 0.00000001%
Bi < 0.00000001%
B < 0.0000001%
Cd < 0.00000001%
Ca < 0.0000001%
Ce < 0.00000001%
Cs < 0.00000001%
Cr < 0.00000005%
Co < 0.00000001%
Cu < 0.00000005%
Dy < 0.00000001%
Fe < 0.0000001%
Pb < 0.00000001%
Li < 0.00000001%
Mg < 0.00000005%
Mn < 0.00000001%
Hg < 0.00000001%
Mo < 0.00000001%
Ni < 0.00000005%
Pd < 0.00000005%
Pt < 0.00000005%
Rh < 0.00000001%
Ag < 0.0000001%
Na < 0.0000001%
Sr < 0.00000001%
Sn < 0.00000005%
W < 0.00000001%
Zn < 0.0000001%
$Br^-$ < 0.001%
P < 0.000001%
S < 0.00003%
Free chlorine < 0.00005%

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## HYDROCHLORIC ACID, VOLUMETRIC SOLUTIONS

Restriction: Drugs precursor Cat. 3

M.W.: 36.46 CAS: 7647-01-0 EC: 231-595-7 EC INDEX: 017-002-01-X TARIC code: 28061000

UN: 1789 IMDG: 8 II UN 1789 ADR: 8 II UN 1789 (E) IATA: 8 II UN 1789

**HCl**

| HYDROCHLORIC ACID, VOLUMETRIC SOLUTION 0.1 M (0.1 N) VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Concentration (M) 0.0999 - 0.1001M<br>Concentration (N) 0.0999 - 0.1001N<br>Tolerance (M) 0.0001M<br>Tolerance (N) 0.0001N | | CHAC-01V-1K0 | P | 1 L | |
| HYDROCHLORIC ACID, VOLUMETRIC SOLUTION 0.25 M (0.25 N) VSA | BASICKEM | reference | packaging | | price |
| Concentration (M) 0.249 - 0.251M<br>Concentration (N) 0.249 - 0.251N<br>Tolerance (M) 0.001M<br>Tolerance (N) 0.001N | | CHAC-25V-1K0 | P | 1 L | |
| HYDROCHLORIC ACID, VOLUMETRIC SOLUTION 0.5 M (0.5 N) VSA | BASICKEM | reference | packaging | | price |
| Concentration (M) 0.4995 - 0.5005M<br>Concentration (N) 0.4995 - 0.5005N<br>Tolerance (M) 0.0005M<br>Tolerance (N) 0.0005N | | CHAC-05V-1K0 | P | 1 L | |
| HYDROCHLORIC ACID, VOLUMETRIC SOLUTION 1.0 M (1.0 N) VSA | BASICKEM | reference | packaging | | price |
| Concentration (M) 0.999 - 1.001M<br>Concentration (N) 0.999 - 1.001N<br>Tolerance (M) 0.001M<br>Tolerance (N) 0.001N | | CHAC-1V0-1K0 | P | 1 L | |
| HYDROCHLORIC ACID, VOLUMETRIC SOLUTION 2.0 M (2.0 N) VSA | BASICKEM | reference | packaging | | price |
| Concentration (M) 1.998 - 2.002M<br>Concentration (N) 1.998 - 2.002N<br>Tolerance (M) 0.002M<br>Tolerance (N) 0.002N | | CHAC-2V0-1K0 | P | 1 L | |
| HYDROCHLORIC ACID, CONCENTRATED TO 1 L SOLUTION 0.1 M (0.1 N) VSA | BASICKEM | reference | packaging | | price |
| Conc. after dil. to 1L (20°C) (M) 0.0998 - 0.1002M<br>Conc. after dil. to 1L (20°C) (N) 0.0998 - 0.1002N | | CHAC-01C-1K0 | P | 1 amp. | |
| HYDROCHLORIC ACID, CONCENTRATED TO PREPARE 1 L SOLUTION 1 M (1 N) VSA | BASICKEM | reference | packaging | | price |
| Conc. after dil. to 1L (20°C) (M) 0.998 - 1.002M<br>Conc. after dil. to 1L (20°C) (N) 0.998 - 1.002N | | CHAC-1C0-1K0 | P | 1 amp. | |

Material safety data sheets and certificates of analysis are downloadable free of charge at www.labbox.eu.

**Disclaimer**: Labkem chemical products are exclusively for laboratory and must be used by instructed and experienced technicians. These chemical products may be dangerous, so please follow the instructions mentioned on the Material safety data sheets.

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LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## HYDROFLUORIC ACID

Restriction: Double use - Ministry of Defence (EU) labkem

M.W.: 20.01 CAS: 7664-39-3 EC: 231-634-8 EC INDEX: 009-003-00-1 TARIC code: 28111100
UN: 1790 IMDG: 8 (6.1) II UN 1790 ADR: 8 (6.1) II UN 1790 (E) IATA: 8 (6.1) II UN 1790

**HF**

| HYDROFLUORIC ACID 40% AGR — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay 39.80%<br>$H_2SiF_6$ < 5 ppm%<br>$Cl^-$ < 0.3 ppm%<br>$SO_4$ < 0.5 ppm%<br>Fe < 1.0 ppb% | | Pb < 1.0 ppb<br>Cu < 1.0 ppb<br>Appearence Colourless clear liquid | FLAC-00A-1K0 | P | 1 L | |

| HYDROFLUORIC ACID 48% AGR ISO — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 48%<br>$SiF_6$ < 0.005%<br>$SO_3$ < 0.0002%<br>Colour (Hazen) < 10<br>$Cl^-$ < 0.0001%<br>Be < 0.000002%<br>$PO_4$ < 0.00005%<br>Bi < 0.00001%<br>$SO_4$ < 0.0002%<br>Ni < 0.000002%<br>Ba < 0.00001%<br>Fe < 0.00002% | Al < 0.000005%<br>Ash ($SO_4$) < 0.0005%<br>Ca < 0.00005%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>Mn < 0.000005%<br>Co < 0.000002%<br>Mg < 0.00002%<br>Li < 0.000002%<br>Na < 0.00002%<br>K < 0.00001%<br>Mo < 0.000005% | Ge < 0.000005%<br>Pb < 0.000005%<br>Cd < 0.0000001%<br>Sr < 0.000002%<br>Ag < 0.000002%<br>Ti < 0.00001%<br>Tl < 0.000005%<br>V < 0.000005%<br>Zn < 0.000005%<br>Zr < 0.00001% | FLAC-80A-1K0 | P GL45 | 1 L | |

## HYDROGEN PEROXIDE 30%

Restriction: Explosives precursor labkem

M.W.: 34,01 CAS: 7722-84-1 EC: 231-765-0 EC INDEX: 008-003-00-9 TARIC code: 28470000
UN: 2014 IMDG: 5.1 (8) II UN 2014 ADR: 5.1 (8) II UN 2014 (E) IATA: 5.1 (8) II UN 2014

**$H_2O_2$**

| HYDROGEN PEROXIDE 30% (V/V) EPR — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Clear colourless liquid<br>Assay 29 - 31%<br>Free acids ($H_2SO_4$) < 0.01%<br>Res. on evap. < 0.01%<br>$Cl^-$ < 0.001%<br>$PO_4$ < 0.003% | | $SO_4$ < 0.001%<br>Heavy met. < 0.00005%<br>Total N < 0.005%<br>As < 0.00005%<br>Fe < 0.00005% | HYPE-30P-1K0 | P | 1 L | |

| HYDROGEN PEROXIDE 30% (V/V) AGR — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay 29 - 31%<br>Free acids ($H_2SO_4$) < 0.001%<br>Phosphorous(P) < 0.0001%<br>Bi < 0.000005%<br>$Cl^-$ < 0.0001%<br>Ni < 0.00001% | B < 0.000001%<br>$SO_4$ < 0.0001%<br>Fe < 0.00001%<br>Al < 0.00001%<br>Silver (Ag) < 0.00001%<br>Cu < 0.00001% | Si < 0.001%<br>Mn < 0.00001%<br>Co < 0.00001%<br>Pb < 0.00001%<br>Sn < 0.00001% | HYPE-30A-500 | P | 500 ml | |
| | | | HYPE-30A-1K0 | P | 1 L | |

## INDICATORS FOR TITRATIONS *SEE P. 433*

## INDIGO CARMINE *SEE P. 434*

## INGREDIENTS FOR MICROBIOLOGICAL CULTURE *SEE P. 48*

## IODINE RESUBLIMED

labkem

M.W.: 253,8 CAS: 7553-56-2 EC: 231-442-4 EC INDEX: 053-001-00-3 TARIC code: 28012000
UN: 3495 IMDG: 8 (6.1) III UN 3495 ADR: 8 (6.1) III UN 3495 (E) IATA: 8 (6.1) III UN 3495

**$I_2$**

| IODINE RESUBLIMED AGR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.8%<br>App. Dark violet granules<br>$Cl^-$ and $Br^-$ (Cl) < 0.005%<br>Res. on evap. < 0.01% | IODI-R0A-100 | G | 100 g | |
| | IODI-R0A-250 | G | 250 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## IODINE, VOLUMETRIC SOLUTION

labkem

M.W.: 253.81 CAS: 7553-56-2 EC: 231-442-4 EC INDEX: 053-001-00-3 TARIC code: 28012000

$I_2$

| IODINE 0.05 M (0.1 N) VOLUMETRIC SOLUTION VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Composition 12.69g I2<br>Concentration (M) 0.0499 - 0.0501M<br>Concentration (N) 0.0998 - 0.1002N<br>Tolerance (M) 0.0001M | Tolerance (N) 0.0002N<br>Values measured at the moment of production.<br>For titrations, calibrate before use. | IODI-01V-1K0 | G GL45 | 1 L | |

## IRON (III) CHLORIDE ANHYDROUS

labkem

M.W.: 162.21 CAS: 7705-08-0 EC: 231-729-4 TARIC code: 28273920 UN: 1773 IMDG: 8 III UN 1773 ADR: 8 III UN 1773 (E) IATA: 8 III UN 1773

$FeCl_3$

| IRON (III) CHLORIDE ANHYDROUS EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Dark green deliquescent powder<br>Assay > 98%<br>Melting range 305°C | | IRCH-A0T-500 | P | 500 g | |

## IRON (III) CHLORIDE HEXAHYDRATE

labkem

M.W.: 270,33 CAS: 10025-77-1 EC: 231-729-4 TARIC code: 28273920 UN: 3260 IMDG: 8 III UN 3260 ADR: 8 III UN 3260 (E) IATA: 8 III UN 3260

$FeCl_3 \cdot 6H_2O$

| IRON (III) CHLORIDE HEXAHYDRATE AGR ACS, PH. EUR. | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. Yellow to yellow-orange/brown lumps or granular powder<br>Assay 97.0 - 102.0%<br>Insol. matter < 0.01%<br>$NO_3$ < 0.01% | $PO_4$ < 0.01%<br>$SO_4$ < 0.01%<br>Cu < 0.003%<br>Fe (II) < 0.002%<br>Ca < 0.01% | Zn < 0.003%<br>Mg < 0.005%<br>Na < 0.05%<br>K < 0.005% | | IRCH-06A-500 | P | 500 g | |

## IRON METAL, POWDER

labkem

M.W.: 55.84 CAS: 7439-89-6 EC: 231-096-4 TARIC code: 72052900

Fe

| IRON METAL, POWDER, 0.045-0.106 MM GLR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 95%<br>Granul. (150 µm)%<br>Granul. (106 µm) < 1%<br>Granul. (75 µm) < 10%<br>Granul. (45 µm) 15 - 65% | Carbon < 0.6%<br>Fe > 0.95%<br>Type analysis | | IRON-001-500 | P | 500 g | |

## IRON (III) NITRATE NONAHYDRATE

labkem

M.W.: 404,00 CAS: 7782-61-8 EC: 233-899-5 TARIC code: 28342980 UN: 1466 IMDG: 5.1 III UN 1466 ADR: 5.1 III UN 1466 (E) IATA: 5.1 III UN 1466

$Fe(NO_3)_3 \cdot 9H_2O$

| IRON (III) NITRATE NONAHYDRATE AGR ACS | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Off-white to pale purple moist crystals/powder<br>Assay (titr.by $Na_2S_2O_3$) 98.0 - 101.0%<br>Infrared spectr. passes test<br>Ins. mat. (10%, dil. $HNO_3$) < 0.005%<br>$Cl^-$ < 0.0005%<br>$SO_4$ < 0.01% | Ca < 0.01%<br>Mg < 0.005%<br>K < 0.005%<br>Na < 0.05%<br>Subs. not pptd. by ($NH_4$) sol. ($SO_4$) < 0.1% | | IRNA-09A-500 | P | 500 g | |

## IRON (III) OXIDE RED

labkem

M.W.: 159.69 CAS: 1309-37-1 EC: 215-168-2 TARIC code: 28211000

$Fe_2O_3$

| IRON (III) OXIDE RED EPR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Reddish powder<br>Assay 95 - 98%<br>Loss on ign. < 0.5%<br>$H_2O$ solubility < 1% | $PO_4$ < 0.3%<br>$SO_4$ < 0.5%<br>Mn < 0.25% | | IROX-00T-500 | P | 500 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## IRON (II) SULFATE HEPTAHYDRATE

labkem

M.W.: 278,02 CAS: 7782-63-0 EC: 231-753-5 TARIC code: 28332980

$FeSO_4 \cdot 7H_2O$

| IRON (II) SULFATE HEPTAHYDRATE EPR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Light blue or blue-green or green powder or crystals<br>Assay 98.5 - 104.5%<br>pH (5%) 3 - 4<br>$Cl^-$ < 0.01%<br>Heavy metals (Pb) < 0.005%<br>As < 0.0002%<br>Pb < 0.001% | Fe (III) salts (Fe) < 0.2%<br>Cu < 0.005%<br>Mn < 0.1%<br>Hg < 0.0003%<br>Zn < 0.05% | | IRSU-07T-500 | P | 500 g | |

| IRON (II) SULFATE HEPTAHYDRATE AGR ACS | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. Light blue or blue-green or green powder or crystals<br>Assay > 99.0%<br>Fe (III) < 0.1%<br>Cu < 0.005%<br>Insoluble matter < 0.01% | pH (5%) 3 - 4<br>$Cl^-$ < 0.001%<br>$PO_4$ < 0.001%<br>Mn < 0.05%<br>Zn < 0.005%<br>Ca < 0.005% | Mg < 0.002%<br>K < 0.002%<br>Na < 0.02% | | IRSU-07A-500 | P | 500 g | |

## IRON (III) SULFATE, HYDRATED

labkem

M.W.: 399.88 CAS: 15244-10-7 EC: 233-072-9 TARIC code: 28332980

$Fe_2(SO_4)_3 \cdot 3H_2O$

| IRON (III) SULFATE, HYDRATED EPR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Grayish-white to yellowish powder<br>Assay > 20%<br>Cu < 0.01%<br>Fe (II) < 0.1% | $Cl^-$ < 0.03%<br>$NO_3$ < 0.1% | | IRSU-01T-500 | P | 500 g | |

## ISOOCTANE

Restriction: Hydrocarbons

labkem

M.W.: 114.23 CAS: 540-84-1 EC: 208-759-1 EC INDEX: 601-009-00-8 TARIC code: 29011000
UN: 1262 IMDG: 3 II UN 1262 ADR: 3 II UN 1262 (D/E) IATA: 3 II UN 1262

$C_8H_{18}$

| ISOOCTANE AGR ACS, PH.EUR. | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay ($C_8H_{18}$) > 99.5%<br>$H_2O$ < 0.01%<br>Free Acid < 0.0005%<br>S < 0.005%<br>Res. on evap. < 0.001%<br>Ni < 0.000002%<br>B < 0.000002% | Ba < 0.00001%<br>Fe < 0.00001%<br>Al < 0.00005%<br>Ca < 0.00005%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>Mn < 0.000002% | Co < 0.000002%<br>Mg < 0.00001%<br>Pb < 0.00001%<br>Cd < 0.000005%<br>Sn < 0.00001%<br>Zn < 0.00001% | | ISCT-00A-1K0 | G GL45 | 1 L | |

| ISOOCTANE HPLC GGR | | | INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| ACS Spec. passes test<br>UV spectrophotometry<br>UV-Abs. max. lim. (205 nm) < 1.00<br>UV-Abs. max. lim. (225 nm) < 0.10<br>UV-Abs. max. lim. (254 nm) < 0.014<br>UV Cutoff < 205nm<br>Assay ($C_8H_{18}$) > 99.0% | Colour (Hazen) < 10<br>Water (KF) < 0.02%<br>Res. on evap. < 0.0004%<br>Wat. sol. titr. acid < 0.0003mEq/g<br>S comp. < 0.005%<br>Acidity < 0.0005meq/g<br>UV-Tr. (1cm;Wat.) 205 nm > 10% | UV-Tr. (1cm;Wat.) 220 nm > 80%<br>UV-Tr. (1cm;Wat.) 230 nm > 94%<br>UV-Tr. (1cm;Wat.) 240 nm > 96%<br>UV-Tr. (1cm;Wat.) 250 nm > 97% | | ISCT-0GH-2K5 | G GL45 | 2,5 L | |
| | | | | ISCT-0GH-P04 | G GL45 | 4 x 2,5 L | |

## KARL-FISCHER METHANOL, DRIED

labkem

M.W.: 32.04 CAS: 67-56-1 EC: 200-659-6 TARIC code: 29051100 UN: 1230 IMDG: 3(6.1) II
UN 1230 ADR: 3(6.1) II UN 1230 (D/E) IATA: 3(6.1) II UN 1230

$CH_3OH$

| KARL-FISCHER METHANOL, DRIED, KFR, VOLUMETRIC METHOD | | INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Volatile clear, colourless liquid<br>Identification IR Spectrometry<br>Assay (GC) > 99.8%<br>Density at 20°C < 0.794g/ml | Solub. in $H_2O$ Passes test<br>Refr. index (at 20ºC) 1.327 - 1.328<br>$H_2O$ < 0.02% | | MTLD-KFR-1K0 | G | 1 L | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## LACTIC ACID

labkem

M.W.: 90.08 CAS: 50-21-5 EC: 201-196-2 TARIC code: 29181100 UN: 3265 IMDG: 8 III UN 3265 ADR: 8 III UN 3265 IATA: 8 III UN 3265

$C_3H_6O_3$

| DL-LACTIC ACID AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 80%<br>Fe < 0.0007%<br>Easy carbonizable substances Passes test<br>Residue on roasting ($SO_4$) < 0.02%<br>$Cl^-$ < 0.0005%<br>$SO_4$ < 0.005% | Heavy metals (Pb) < 0.0005%<br>Reducing sacharides Passes test<br>As < 0.00002%<br>Appearance Colourless to light-yellow liquid | | LACA-00A-1K0 | G RPCP | 1 L | |

## LACTOSE MONOHYDRATE

labkem

M.W.: 360,32 CAS: 10039-26-6 EC: 200-559-2 TARIC code: 17021100

$C_{12}H_{22}O_{11}\cdot H_2O$

| LACTOSE MONOHYDRATE AGR REAG.PH. EUR. | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Spec. opt. rot. 54.4 - 55.9°<br>$H_2O$ (by KF) 4.5 - 5.5%<br>Acid. or alk. Passes testml<br>Abs. UV Passes test | Ash ($SO_4$) < 0.1%<br>Heavy metals (Pb) < 0.0005% | | LACT-01A-500 | P | 500 g | |
| | | | LACT-01A-1K0 | P | 1 kg | |

## LEAD (II) NITRATE

labkem

M.W.: 331.21 CAS: 10099-74-8 EC: 233-245-9 EC INDEX: 082-001-00-6 TARIC code: 29152900 UN: 1469 IMDG: 5.1 II UN 1469 ADR: 5.1 II UN 1469 IATA: 5.1 II UN 1469

$Pb(NO_3)_2$



| LEAD (II) NITRATE EPR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. white crystals or powder<br>Assay > 98%<br>Insol. ($HNO_3$) < 0,01%<br>$Cl^-$ < 0.002%<br>Ca < 0.01% | Cu < 0.001%<br>Fe < 0.002%<br>K < 0.01%<br>Na < 0.04% | | LENA-00T-500 | P | 500 g | |

| LEAD (II) NITRATE AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. white crystals or powder<br>Assay > 99%<br>Insol. ($HNO_3$) < 0.005%<br>$Cl^-$ < 0.001%<br>Ca < 0.005% | Cu < 0.0005%<br>Fe < 0.001%<br>K < 0.005%<br>Na < 0.02% | | LENA-00A-500 | P | 500 g | |

## LITHIUM CHLORIDE

labkem

M.W.: 42.39 CAS: 7447-41-8 EC: 231-212-3 TARIC code: 28273985

LiCl

| LITHIUM CHLORIDE AGR ACS | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 99.5%<br>Calcium (Ca) < 20ppm<br>Copper (Cu) < 5ppm<br>Iron (Fe) < 5ppm<br>Loss on drying < 2% | Magnesium (Mg) < 5ppm<br>Potassium (K) < 50ppm<br>Sodium (Na) < 50ppm<br>Total nitrogen (N) < 10ppm<br>Total phosphorus (P) < 20ppm | Total silicon (Si) < 20ppm<br>Total sulfur (S) < 50ppm<br>Zinc (Zn) < 10ppm<br>pH (5% aq. solution) 6 - 9 | | LICH-00A-100 | P | 100 g | |

## LUGOL SOLUTION

TARIC code: 38220000

labkem

| LUGOL SOLUTION AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Iodide (I-) 1.98 - 2.02%<br>Density at 20°C 1.01 - 1.03g/cm3<br>Free iodine 0.99 - 1.01%<br>Appearance Brown clear liquid | | | LUGO-00A-250 | G | 250 ml | |
| | | | LUGO-00A-1K0 | G RPCP | 1 L | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## MAGNESIUM (METAL)

labkem

M.W.: 24.31 CAS: 7439-95-4 EC: 231-104-6 EC INDEX: 012-001-00-3 TARIC code: 81041100
UN: 1869 IMDG: 4.1 III UN 1869 ADR: 4.1 III UN 1869 (E) IATA: 4.1 III UN 1869

**Mg**

| MAGNESIUM (METAL) RIBBON EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. Silvery white ribbon<br>Assay > 99.5%<br>Insol. in HCl < 0.05%<br>Pb < 0.01% | | Cu < 0.005%<br>Fe < 0.05% | | MGPW-R0T-025 | | 25 g | |

## MAGNESIUM CHLORIDE HEXAHYDRATE

labkem

M.W.: 203.30 CAS: 7791-18-6 EC: 232-094-6 TARIC code: 28273100

**$MgCl_2 \cdot 6H_2O$**

| MAGNESIUM CHLORIDE HEXAHYDRATE EPR PH.EUR. | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. Colourless hygroscopic crystals<br>Assay (EP, USP) 98.0 - 101.0%<br>Identification Conforms<br>App. of sol. Clear and colourless<br>Acid. or alk. Passes test<br>Hg < 0.0001<br>As (EP) | Fe < 0.001%<br>Fe < 0.001%<br>Al < 0.0001<br>$Br^-$ < 0.05%<br>$(SO_4)$ (EP) < 0.01<br>Ca (EP) < 0.1<br>$NH_4$ < 0.005% | Potassium (K) < 0.05%<br>$H_2O$ 51 - 55%<br>Insol. matter < 0.005%<br>Res. solvents complies<br>pH (solution 50 g/l) 4.5 - 7.5 | | MGCH-06P-1K0 | P | 1 kg | |
| | | | | MGCH-06P-5K0 | P | 5 kg | |
| MAGNESIUM CHLORIDE HEXAHYDRATE AGR ACS, BP | | | BASICKEM | reference | packaging | | price |
| App. Colourless crystals or white crystalline powder<br>Assay 98 - 101%<br>Alcohol Insol. matter Passes test<br>Insol. matter < 0.005%<br>N Comp. (N) < 0.002%<br>$PO_4$ < 0.0005% | $SO_4$ < 0.002%<br>As < 0.0002%<br>Ba < 0.005%<br>Ca < 0.01%<br>Fe < 0.0005%<br>Heavy metals (Pb) < 0.0005%<br>Mn < 0.0005% | K < 0.005%<br>Na < 0.005%<br>Sr < 0.005%<br>pH (5%) 5 - 6.5<br>$H_2O$ 51 - 55%<br>Br<0.05% | | MGCH-06A-500 | P | 500 g | |

## MAGNESIUM NITRATE HEXAHYDRATE

labkem

M.W.: 256,41 CAS: 13446-18-9 EC: 233-826-7 TARIC code: 28342980

**$Mg(NO_3)_2 \cdot 6H_2O$**

| MAGNESIUM NITRATE HEXAHYDRATE AGR ACS | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. Colourless crystals or white crystalline powder<br>Assay 98.0 - 102.0%<br>pH (5%) 5.0 - 8.2<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.001% | $PO_4$ < 0.0005%<br>$SO_4$ < 0.005%<br>$NH_4$ < 0.003%<br>Ba < 0.005%<br>Ca < 0.01%<br>Mn < 0.0005% | K < 0.005%<br>Na < 0.005%<br>Sr < 0.005%<br>Heavy metals (by ICP-OES) < 0.0005%<br>Fe < 0.0005% | | MGNA-06A-500 | P | 500 g | |

## MAGNESIUM SULFATE ANHYDROUS

M.W.: 120.37 CAS: 7487-88-9 EC: 231-298-2 TARIC code: 28332100

**$MgSO_4$**

| MAGNESIUM SULFATE ANHYDROUS GLR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 95%<br>Heavy metals (Pb) < 0.005%<br>Insol. matter < 0.1% | | $Cl^-$ < 0.1%<br>Fe < 0.005% | | MGSU-A0P-1K0 | P | 1 kg | |
| | | | | MGSU-A0P-5K0 | P | 5 kg | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## MAGNESIUM SULFATE HEPTAHYDRATE

M.W.: 246,48 CAS: 10034-99-8 EC: 231-298-2 TARIC code: 28332100

$MgSO_4 \cdot 7H_2O$

| MAGNESIUM SULFATE HEPTAHYDRATE EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay 98.5 - 102.0%<br>pH (5%) 5.0 - 8.0<br>Insol. matter < 0.01%<br>$Cl^-$ < 0.0035%<br>$PO_4$ < 0.005% | Heavy metals (Pb) < 0.0005%<br>As < 0.0002%<br>Ca < 0.05%<br>Fe < 0.002% | MGSU-07P-500 | P | 500 g | |
| | | MGSU-07P-1K0 | P | 1 kg | |

| MAGNESIUM SULFATE HEPTAHYDRATE AGR | BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Colourless crystals or a white crystalline powder<br>Assay 99.5 - 102%<br>Insoluble matter in water < 0.005%<br>pH (5%) 5 - 7<br>$NO_3$ < 0.002% | $NH_4$ < 0.002%<br>$Cl^-$ < 0.0005%<br>Ca < 0.02%<br>Heavy metals (by ICP-OES) < 0.0005%<br>Fe < 0.0005%<br>K < 0.005% | Mn < 0.0005%<br>Na < 0.005%<br>Sr < 0.005% | MGSU-07A-500 | P | 500 g | |

## MANGANESE (II) CHLORIDE TETRAHYDRATE

labkem

M.W.: 197,90 CAS: 13446-34-9 EC: 231-869-6 TARIC code: 28273985 UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077

$MnCl_2 \cdot 4H_2O$

| MANGANESE (II) CHLORIDE TETRAHYDRATE AGR | BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Pale pink to pink crystalline powder<br>Assay 98 - 101%<br>Insol. matter < 0.003%<br>$SO_4$ < 0.0025%<br>Ba < 0.01%<br>Ca < 0.04% | Cu < 0.0002%<br>Fe < 0.001%<br>Pb < 0.0002%<br>Mg < 0.04%<br>Ni < 0.002%<br>K < 0.01% | Na < 0.02%<br>Zn < 0.02%<br>Subst. Red. $I_2$ < 0.0065% | MNCH-04A-500 | P | 500 g | |

## MANGANESE (IV) OXIDE

labkem

M.W.: 86,94 CAS: 1313-13-9 EC: 215-202-6 EC INDEX: 025-001-00-3 TARIC code: 28273985

$MnO_2$

| MANGANESE (IV) OXIDE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. A black coloured heavy powder<br>Assay > 80.0%<br>Free moisture < 3%<br>Substances insoluble in HCl < 0.5%<br>Iron (Fe) < 0.1% | Lead (Pb) < 0.09%<br>Copper (Cu) < 0.002%<br>Sulfates ($SO_4$) < 1.2%<br>pH (5% water) 4.5 - 6.5 | MNOX-00A-500 | P | 500 g | |

## MANGANESE (II) SULFATE MONOHYDRATE

labkem

M.W.: 169,02 CAS: 10034-96-5 EC: 232-089-9 EC INDEX: 025-003-00-4 TARIC code: 28332980 UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077

$MnSO_4 \cdot H_2O$

| MANGANESE (II) SULFATE MONOHYDRATE AGR | BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99%<br>Insol. matter < 0.01%<br>Loss on ign. 10 - 12%<br>$Cl^-$ < 0.002%<br>Subst. Red. $KMnO_4$ (O) passes test% | Ni < 0.005%<br>Fe < 0.001%<br>Ca < 0.005%<br>Cu < 0.001%<br>Mg < 0.005% | Na < 0.05%<br>K < 0.01%<br>Pb < 0.001%<br>Zn < 0.005% | MNSU-01A-500 | P | 500 g | |

## D(-)-MANNITOL

labkem

M.W.: 182,17 CAS: 69-65-8 EC: 200-711-8 TARIC code: 29054300

$C_6H_{14}O_6$

| D(-)-MANNITOL FOR BACTERIOLOGY AGR ACS | BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay > 99%<br>Melt. range 165 - 169°C<br>Spec. opt. rot. 23 - 25°<br>Loss on dry. (105 °C) < 0.05%<br>Insol. matter < 0.01%<br>Acid. (Acetic acid) < 0.005% | Ash ($SO_4$) < 0.02%<br>$Cl^-$ < 0.001%<br>$SO_4$ < 0.005%<br>As < 0.0001%<br>Ca < 0.001%<br>Cu < 0.0005%<br>Fe < 0.0005% | Pb < 0.0005%<br>Red. sugars ($C_6H_{12}O_6$) < 0.05%<br>Subs. dark. by $H_2SO_4$ Passes test<br>D(-)-Sorbite (GC) < 1% | MANL-00A-500 | P | 500 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## MARBLE

labkem

M.W.: 100.09 CAS: 471-34-1 EC: 207-439-9 TARIC code: 25174100

$CaCO_3$

| MARBLE PIECES 1-2 MM AUX | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Type analysis<br>Particle size 1 - 2mm | | MARB-001-1K0 | P | 1 kg | |

## MERCURY (II) CHLORIDE

Restriction: Export restrictions labkem

M.W.: 271,50 CAS: 7487-94-7 EC: 231-299-8 EC INDEX: 080-010-00-X TARIC code: 28521000

UN: 1624 IMDG: 6.1 II UN 1624 ADR: 6.1 II UN 1624 (D/E) IATA: 6.1 II UN 1624

$HgCl_2$



| MERCURY (II) CHLORIDE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. colourless crystals or white crystalline powder<br>Assay > 99.5%<br>Sol. in ether passed | Res. on evap. < 0.02%<br>Fe < 0.002% | HGCH-00A-100 | P | 100 g | |

## MERCURY (II) IODIDE RED

Restriction: Export restrictions labkem

M.W.: 454,40 CAS: 7774-29-0 EC: 231-873-8 EC INDEX: 080-002-00-6 TARIC code: 28521000

UN: 1638 IMDG: 6.1 II UN 1638 ADR: 6.1 II UN 1638 IATA: 6.1 II UN 1638

$HgI_2$



| MERCURY (II) IODIDE RED AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99%<br>Soluble Hg salts (Hg) < 0.05%<br>Solub. (10% KI) Passes test<br>Hg (I) < 0.1% | Ni < 0.001%<br>Cu < 0.001%<br>Pb < 0.001% | HGIO-00A-025 | P | 25 g | |

Material safety data sheets and certificates of analysis are downloadable free of charge at www.labbox.eu.

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MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## METHANOL

M.W.: 32.04 CAS: 67-56-1 EC: 200-659-6 EC INDEX: 603-001-00-X TARIC code: 29051100
UN: 1230 IMDG: 3 (6.1) II UN 1230 ADR: 3 (6.1) II UN 1230 (D/E) IATA: 3 (6.1) II UN 1230

$CH_3OH$



### METHANOL 99.8 % GLR — BASICKEM

Appearance Transparent, without suspended matter
Acetone ($CH_3COCH_3$) < 30 ppm
Water ($H_2O$) < 0.1%
$Cl^-$ < 0.5ppm
Density at 20°C 0.791 - 0.793g/ml
Purity > 99.85%
Residue on evaporation < 10 ppm
Permanganate Test, KMO4 > 60min
Acidity < 30 ppm
Fe < 0.1ppm
Color (Pt-Co) < 5

| reference | packaging | | price |
|---|---|---|---|
| MTOL-P0P-1K0 | P CODEX | 1 L | |
| MTOL-P0P-5K0 | P CODEX | 5 L | |
| MTOL-P0P-10K | P CODEX | 10 L | |
| MTOL-M0P-25K | M | 25 L | |

### METHANOL AGR ACS,ISO,PH.EUR. — BASICKEM

Assay > 99.8%
Non-Vol. Mat. < 0.001%
$H_2O$ < 0.05%
Free Alkalinity < 0.00005%
Free Acid < 0.002%
Al < 0.00005%
B < 0.000002%
Ba < 0.00001%
Ca < 0.00005%
Cd < 0.000005%
Co < 0.0000002%
Cr < 0.000002%
Cu < 0.0000001%
Fe < 0.00001%
Mg < 0.00001%
Mn < 0.0000001%
Ni < 0.000002%
Pb < 0.000002%
Sn < 0.00001%
Zn < 0.00001%
$Cl^-$ < 0.00005%
$SO_4$ < 0.0001%
Acetaldehyde < 0.001%
Acetone < 0.001%
Ethanol < 0.1%
Formaldehyde < 0.01%
Subst. red. $KMnO_4$ < 0.00025%
Density 0.791 - 0.793g/ml
Carbonyl comp. < 0.005%
Res. on evap. < 0.001%
R.C.S.
Subs. dark. by $H_2SO_4$
Solub. in $H_2O$
Colour (Hazen) < 10Apha
Acidity < 0.0003Meq/g
Alkalinity < 0.0002Meq/g
Abs. (230 nm) < 0.15nm
Abs. (250 nm) < 0.05nm
Abs. (270 nm) < 0.02nm
Abs. (290 nm) < 0.01nm

| reference | packaging | | price |
|---|---|---|---|
| MTOL-0IA-1K0 | P GL45 | 1 L | |
| MTOL-0IA-2K5 | P GL45 | 2,5 L | |
| MTOL-0IA-P04 | P GL45 | 4 x 2,5 L | |
| MTOL-0IA-5K0 | P | 5 L | |

### METHANOL GC/HPLC GGR — INSTRUKEM

UV-abs. max. lim. (220 nm) < 0.25
UV-Abs. max. lim. (230 nm) < 0.15
UV-Abs. max. lim. (254 nm) < 0.02
UV-Abs. max. lim. (280 nm) < 0.01
Grad. Elut. test passes test
UV Cutoff < 205nm
Assay > 99.9%
Colour (Hazen) < 10
$H_2O$ (by KF) < 0.05%
Res. on evap. < 0.0003%
Titr. acid < 0.0003mEq/g
Titr. base < 0.0002mEq/g
Carbonyl comp. < 0.001%
Subs. dark. by $H_2SO_4$ passes test
Subst. red. $KMnO_4$ passes test
Solub. in $H_2O$ passes test
ACS Spec. passes test
UV-Abs. max. lim. (205 nm) < 1.00
LC Grad. Suit.
Acid. (Acetic acid) < 0.0003meq/g
T225nm > 67%
T235nm > 83%
T260nm > 98%

| reference | packaging | | price |
|---|---|---|---|
| MTOL-0GH-2K5 | G GL45 | 2,5 L | |
| MTOL-0GH-P04 | G GL45 | 4 x 2,5 L | |
| MTOL-0GH-4K0 | G GL38 | 4 L | |
| MTOL-0GH-PG4 | G GL38 | 4 x 4 L | |

### METHANOL LC/MS LGR — INSTRUKEM

Assay > 99.9%
App. Clear colourless liquid
$H_2O$ (by KF) < 0.05%
Colour (Hazen) < 10
Acid. (Acetic acid) < 0.0003%
Alkal. (Ammonia) < 0.0002%
Res. on evap. < 0.001%
Grad. elut. H. Peak (254 nm) < 0.002AU
T220nm > 60%
T235nm > 85%
T260nm > 98%
LC Grad. Suit. Passes test
Ni < 0.000002%
Ba < 0.00001%
Fe < 0.00001%
Al < 0.00005%
Ca < 0.00001%
Cr < 0.000002%
Cu < 0.000001%
Mn < 0.000001%
Co < 0.0000002%
Mg < 0.00001%
Na < 0.00001%
K < 0.00001%
Pb < 0.0000002%
Cd < 0.0000005%
Ag < 0.00001%
Sn < 0.00001%
Zn < 0.00001%

| reference | packaging | | price |
|---|---|---|---|
| MTOL-LCM-2K5 | G GL45 | 2,5 L | |
| MTOL-LCM-P04 | G GL45 | 4 x 2,5 L | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## METHYL ETHYL KETONE

Restriction: Drugs precursor Cat. 3

M.W.: 72.11 CAS: 78-93-3 EC: 201-159-0 EC INDEX: 606-002-00-3 TARIC code: 29141200
UN: 1193 IMDG: 3 II UN 1193 ADR: 3 II UN 1193 (D/E) IATA: 3 II UN 1193

$CH_3COC_2H_5$

| METHYL ETHYL KETONE 99.5% GLR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.5%<br>App. Transp./yellowish liq.<br>$H_2O$ < 0.05%<br>Acid. (Acetic acid) < 0.003%<br>Colour (Hazen) < 10<br>Density at 20°C 0.804 - 0.807g/ml<br>Ethan. impurities < 0.5%<br>Res. on evap. < 0.005%<br>Distillation range 78.5 - 81.0ºC | MEKT-P0P-1K0 | P COREX | 1 L | |
| | MEKT-P0P-5K0 | P COREX | 5 L | |
| | MEKT-M0P-25K | M | 25 L | |

## METHYL ORANGE *SEE P. 434*

## METHYL RED *SEE P. 435*

## METHYLENE BLUE *SEE P. 435*

## NAPHTALENE

labkem

M.W.: 128,17 CAS: 91-20-3 EC: 202-049-5 EC INDEX: 601-052-00-2 TARIC code: 29029000
UN: 1334 IMDG: 4.1 III UN 1334 ADR: 4.1 III UN 1334 (E) IATA: 4.1 III UN 1334

$C_{10}H_8$

| NAPHTALENE 99.7% AGR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| App. White scales<br>Assay > 99.7%<br>Melt. range 79.5 - 81°C | NANE-00A-500 | P | 500 g | |

## 1-NAPHTOL

labkem

M.W.: 144,17 CAS: 90-15-3 EC: 201-969-4 EC INDEX: 604-029-00-5 TARIC code: 29071510
UN: 2811 IMDG: 6.1 III UN 2811 ADR: 6.1 III UN 2811 (E) IATA: 6.1 III UN 2811

$C_{10}H_8O$

| 1-NAPHTOL AGR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| App. Off-white to brownish flakes<br>Assay > 99%<br>Melt. range 95 - 97°C<br>Insol. (MeOH) < 0.01%<br>Fe < 0.001%<br>$Cl^-$ < 0.005%<br>Heavy metals (Pb) < 0.001%<br>2-Naphtol < 0.2%<br>Naphthalene < 0.2%<br>$H_2O$ < 0.2%<br>Ash ($SO_4$) < 0.01% | NAOL-01A-100 | G | 100 g | |

## NESSLER'S REAGENT

labkem

CAS: 7783-33-7 EC: 231-990-4 TARIC code: 38229000 UN: 2922 IMDG: 8 (6.1) II UN 2922
ADR: 8 (6.1) II UN 2922 (E) IATA: 8 (6.1) II UN 2922

| NESSLER'S REAGENT AGR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| For $NH_3$<br>App. Pale yellow coloured solution<br>Sensit. to $NH_3$ Passes test<br>This reagent should be allowed to settle before use.<br>It is packed with a small amount of precipitate to maintain its sensitivity during storage. | NESS-00A-250 | P | 250 ml | |

## NICKEL (II) CHLORIDE HEXAHYDRATE

labkem

M.W.: 237.69 CAS: 7791-20-0 EC: 231-743-0 EC INDEX: 028-011-00-6 TARIC code: 28273500
UN: 3288 IMDG: 6.1 III UN 3288 ADR: 6.1 III UN 3288 IATA: 6.1 III UN 3288

$NiCl_2 \cdot 6H2O$

| NICKEL (II) CHLORIDE HEXAHYDRATE AGR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 98%<br>App. Green/Crystal. powder<br>Insol. matter < 0.005%<br>Fe < 0.002%<br>Cu < 0.001%<br>Co < 0.005%<br>Pb < 0.002%<br>Cd < 0.005%<br>Zn < 0.001% | NICH-06A-500 | P | 500 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## NICKEL (II) NITRATE HEXAHYDRATE

labkem

M.W.: 290,81 CAS: 13478-00-7 EC: 236-068-5 TARIC code: 28342920 UN: 2725 IMDG: 5.1 III UN 2725 ADR: 5.1 III UN 2725 (E) IATA: 5.1 III UN 2725

$Ni(NO_3)_2 \cdot 6H_2O$



| NICKEL (II) NITRATE HEXAHYDRATE EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 98.0<br>Fe < 0.005<br>$Cl^-$ < 0.003<br>Cu < 0.002<br>Co < 0.02 | | Pb < 0.001<br>Zn < 0.05<br>$SO_4$ < 0.01 | | NINA-06T-250 | P | 250 g | |

## NITRIC ACID

Restriction: Explosives precursor

labkem

M.W.: 63.01 CAS: 7697-37-2 EC: 231-714-2 EC INDEX: 007-004-00-1 TARIC code: 28080000 UN: 2031 IMDG: 8 (5.1) II UN 2031 ADR: 8 (5.1) II UN 2031 (E) IATA: 8 (5.1) II UN 2031

$HNO_3$



| NITRIC ACID 65% EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 65%<br>Density at 20°C approx. - 1.4g/ml<br>Ash ($SO_4$) < 0.005%<br>$Cl^-$ < 0.0003%<br>$PO_4$ < 0.001%<br>$SO_4$ < 0.001% | Heavy metals (Pb) < 0.0003%<br>As < 0.000003%<br>Cr < 0.0002%<br>Cu < 0.00005%<br>Fe < 0.0005%<br>Mg < 0.0001% | Mn < 0.00005%<br>Ni < 0.0001%<br>Pb < 0.0001%<br>Zn < 0.00005% | | NIAC-50P-1K0 | G PP28 | 1 L | |

| NITRIC ACID 65% AGR ISO, ACS | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 65%<br>Res. on ignition < 0.0005%<br>As < 0.000001%<br>Ca < 0.0001%<br>Cd < 0.000001%<br>Cu < 0.000005%<br>Fe < 0.00002% | | Pb < 0.000005%<br>Zn < 0.000001%<br>$Cl^-$ < 0.00005%<br>$PO_4$ < 0.00005%<br>$SO_4$ < 0.0001% | | NIAC-5IA-1K0 | P GL45 | 1 L | |
| | | | | NIAC-5IA-2K5 | P GL45 | 2,5 L | 30,54 € |
| | | | | NIAC-5IA-P04 | P GL45 | 4 x 2,5 L | |
| | | | | NIAC-5IA-5K0 | P GL45 | 5 L | |

| NITRIC ACID 70% AGR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 69%<br>$PO_4$ < 0.0002%<br>Density at 20°C 1.41g/ml<br>$Cl^-$ < 0.00005%<br>Res. on ignition < 0.00025% | Fe < 0.00001%<br>Cu < 0.000001%<br>Mn < 0.0000001%<br>$SO_4$ < 0.0002%<br>Mg < 0.00001% | As < 0.000001%<br>Pb < 0.000001%<br>Zn < 0.000005% | | NIAC-00A-1K0 | G GL45 | 1 L | |
| | | | | NIAC-00A-2K5 | G GL45 | 2,5 L | |
| | | | | NIAC-00A-P04 | G GL45 | 4 x 2,5 L | |

| NITRIC ACID 67-69% TGR FOR TRACE ANALYSIS (PPB) | | | INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay 67 - 69%<br>Use within 15 months of opening, up to unopened expiration date<br>Sb < 0.00000005%<br>$Cl^-$ < 0.00002%<br>Be < 0.00000001%<br>Colour (Hazen) < 10<br>S < 0.00003%<br>Bi < 0.00000001%<br>Ba < 0.00000001%<br>B < 0.0000001%<br>Ni < 0.00000005%<br>Fe < 0.0000001% | Al < 0.0000001%<br>Ca < 0.0000001%<br>Cr < 0.0000001%<br>Cu < 0.00000005%<br>Mn < 0.00000001%<br>Co < 0.00000005%<br>Li < 0.00000001%<br>Mg < 0.0000001%<br>Na < 0.0000001%<br>As < 0.00000005%<br>Mo < 0.00000001%<br>Pb < 0.00000001%<br>Pd < 0.00000005% | Hg < 0.00000001%<br>Sr < 0.00000001%<br>Cd < 0.00000005%<br>Pt < 0.00000005%<br>Ag < 0.00000001%<br>Rh < 0.00000005%<br>Sn < 0.00000005%<br>Zn < 0.00000005%<br>W < 0.00000001%<br>P < 0.000001% | | NIAC-TGR-2K5 | P GL45 | 2,5 L | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## NITRIC ACID, VOLUMETRIC SOLUTIONS

Restriction: Explosives precursor

M.W.: 63.01 CAS: 7697-37-2 EC: 231-714-2 EC INDEX: 007-004-00-1 TARIC code: 28080000
UN: 2031 IMDG: 8 (5.1) II UN 2031 ADR: 8 (5.1) II UN 2031 (E) IATA: 8 (5.1) II UN 2031

$HNO_3$

| NITRIC ACID, VOLUMETRIC SOLUTION 1.0 M (1.0 N) | reference | packaging | | price |
|---|---|---|---|---|
| Concentration (M) 0.999 - 1.001M<br>Concentration (N) 0.999 - 1.001N<br>Tolerance (M) 0.001M<br>Tolerance (N) 0.001N | NIAC-1V0-1K0 | P | 1 L | |

## P-NITROANILINE

M.W.: 138.12 CAS: 100-01-6 EC: 202-810-1 EC INDEX: 612-012-00-9 TARIC code: 29214200
UN: 1661 IMDG: 6.1 II UN 1661 ADR: 6.1 II UN 1661 (D/E) IATA: 6.1 II UN 1661

$C_6H_6N_2O_2$

| P-NITROANILINE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99%<br>Melt. range 147 - 149°C<br>Ash < 0.05% | | NIAN-P0A-100 | G | 100 g | |

## 2-NITROBENZALDEHYDE

M.W.: 151.12 CAS: 552-89-6 EC: 209-025-3 TARIC code: 29130000

$(NO_2)C_6H_4CHO$

| 2-NITROBENZALDEHYDE 99% AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay (Hydroxylamine titration) > 99%<br>Melting range 41 - 45°C | | NIBZ-00A-025 | G | 25 g | |

## OLEIC ACID

M.W.: 282,47 CAS: 112-80-1 EC: 204-007-1 TARIC code: 29161500

$C_{17}H_{33}COOH$

| OLEIC ACID EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Pale yellow oily liquid<br>Ash < 0.01%<br>Min. acid Passes test<br>Iodine number 89 - 95%<br>Neut. fat Passes test<br>Acid num. 196 - 204<br>Peroxides < 10% | | OLAC-00T-500 | G | 500 ml | |

## ORTOPHOSPHORIC ACID 85%

M.W.: 98,00 CAS: 7664-38-2 EC: 231-633-2 EC INDEX: 015-011-00-6 TARIC code: 28092000
UN: 1805 IMDG: 8 III UN 1805 ADR: 8 III UN 1805 (E) IATA: 8 III UN 1805

$H_3PO_4$

| ORTOPHOSPHORIC ACID 85% EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay 84 - 87%<br>Density at 20°C approx. 1.700g/ml | | ORAC-00P-1K0 | G GL45 | 1 L | |
| | | ORAC-00P-2K5 | G GL45 | 2,5 L | |

| ORTOPHOSPHORIC ACID 85% AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay 84 - 87%<br>$SO_4$ < 0.01%<br>Fe < 0.002%<br>Pb < 0.002%<br>Density at 20°C < 1.7g/ml | | ORAC-00A-1K0 | G GL45 | 1 L | |

| ORTOPHOSPHORIC ACID 85% AGR ACS, ISO, PH.EUR. | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 85%<br>Volatile Acids < 0.001%<br>Subst. red. $KMnO_4$ < 0.001%<br>Sb < 0.0002%<br>$Cl^-$ < 0.0002%<br>Colour (Hazen) < 10<br>F < 0.0001%<br>$NO_3$ < 0.0003%<br>$H_3PO_3$ < 0.002%<br>$SiO_2$ < 0.025%<br>$SO_4$ < 0.003%<br>Ni < 0.0001%<br>Fe < 0.0005%<br>Heavy metals (Pb) < 0.0005%<br>Ca < 0.005%<br>Cu < 0.0001%<br>Mn < 0.00005%<br>Co < 0.0001%<br>Mg < 0.001%<br>Na < 0.025%<br>K < 0.0005%<br>As < 0.00005%<br>Pb < 0.0001%<br>Cd < 0.0001%<br>Zn < 0.0002% | | ORAC-0IA-1K0 | P GL45 | 1 L | |

## OXALIC ACID DIHYDRATE

M.W.: 126,07 CAS: 6153-56-6 EC: 205-634-3 EC INDEX: 607-006-00-8 TARIC code: 29171100

labkem

$H_2C_2O_4 \cdot 2H_2O$



| OXALIC ACID DIHYDRATE AGR ISO, | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay 99.5 - 102.5<br>Insol. matter < 0.005%<br>Total N < 0.001%<br>Subs. dark. by $H_2SO_4$<br>$Cl^-$ < 0.0005% | Fe < 0.0002%<br>Res. on ignition < 0.01%<br>$SO_4$ < 0.005%<br>Heavy metals (Pb) < 0.0005%<br>Ca < 0.001% | Cu < 0.0005%<br>Mg < 0.002%<br>Pb < 0.0005% | | OXAC-02A-500 | P | 500 g | |
| | | | | OXAC-02A-1K0 | P | 1 kg | |

## OXALIC ACID, VOLUMETRIC SOLUTIONS

TARIC code: 38229000 M.W.: 126,07 CAS: 6153-56-6

labkem

$H_2C_2O_4$



| OXALIC ACID 0.05 M (0.1 N) VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Concentration (M) 0.0499 - 0.0501M<br>Concentration (N) 0.0998 - 0.1002N<br>Tolerance (M) 0.0001M<br>Tolerance (N) 0.0002N | | OXAC-01V-1K0 | P GL45 | 1 L | |

## PARAFFIN, LIGHT LIQUID

CAS: 8042-47-5 EC: 232-455-8 TARIC code: 27101985

labkem

| PARAFFIN, LIGHT LIQUID GLR PH.EUR. | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Identification Conforms<br>App. Colourless/transp./oily liquid free from fluoresc.in daylight<br>Acid. or alk. Passes test<br>Rel. dens. 0.81 - 0.875<br>Viscosity 25 - 80mPa. | PAH Passes test<br>Readily carbonis. subs. Passes test<br>Solid paraffins Passes test | | PALI-P0P-1K0 | P | 1 L | |
| | | | PALI-P0P-5K0 | P | 5 L | |

## N-PENTANE

Restriction: Hydrocarbons

labkem

M.W.: 72.15 CAS: 109-66-0 EC: 203-692-4 EC INDEX: 601-006-00-1 TARIC code: 29011000

UN: 1265 IMDG: 3 II UN 1265 ADR: 3 II UN 1265 (D/E) IATA: 3 II UN 1265

$CH_3(CH_2)_3CH_3$



| N-PENTANE AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99<br>$H_2O$ < 0.01%<br>S < 0.005%<br>Acidity < 0.0005%<br>Ba < 0.00001%<br>Ni < 0.000002%<br>Res. on evap. < 0.001% | Fe < 0.00001%<br>Al < 0.00005%<br>Ca < 0.00005%<br>Cr < 0.0000002%<br>Cu < 0.0000002%<br>Mn < 0.0000002%<br>Co < 0.000002% | Mg < 0.00001%<br>Pb < 0.00001%<br>Cd < 0.000005%<br>Sn < 0.00001%<br>Zn < 0.00001% | PENT-00A-1K0 | G | 1 L | |

## PEPTONE FROM CASEIN *SEE P. 57*

Material safety data sheets and certificates of analysis are downloadable free of charge at www.labbox.eu.

**Disclaimer**: Labkem chemical products are exclusively for laboratory and must be used by instructed and experienced technicians. These chemical products may be dangerous, so please follow the instructions mentioned on the Material safety data sheets.

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LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## PERCHLORIC ACID 60%

labkem

M.W.: 100.46 CAS: 7601-90-3 EC: 231-512-4 EC INDEX: 017-006-00-4 TARIC code: 28111980
UN: 1873 IMDG: 5.1 (8) I UN 1873 ADR: 5.1 (8) I UN 1873 (B/E) IATA: 5.1 (8) I UN 1873

$HClO_4$

| PERCHLORIC ACID 60% AGR ACS, ISO, PH.EUR. | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 60%<br>Be < 0.000002%<br>Ge < 0.000005%<br>$Cl^-$ < 0.0003%<br>Bi < 0.00001%<br>$SiO_2$ < 0.0005%<br>Ni < 0.00001%<br>$SO_4$ < 0.001%<br>Ba < 0.000002%<br>Fe < 0.0001%<br>Al < 0.000005%<br>Ca < 0.00005% | Cu < 0.00001%<br>Mn < 0.000002%<br>Co < 0.000005%<br>Li < 0.000002%<br>Mg < 0.00005%<br>Na < 0.00005%<br>K < 0.00001%<br>Mo < 0.000005%<br>As < 0.000005%<br>Pb < 0.000005%<br>Ti < 0.00001%<br>Hg < 0.0000005% | Tl < 0.000005%<br>Cd < 0.000005%<br>Sr < 0.000002%<br>V < 0.000005%<br>Zr < 0.00001%<br>$ClO_3$ < 0.001%<br>Ag < 0.000005%<br>N < 0.001%<br>Zn < 0.00001% | | ACPE-60A-1K0 | G | 1 L | |

## PETROLEUM ETHER 40-60

Restriction: Hydrocarbons

labkem

CAS: 64742-49-0 EC: 265-151-9 EC INDEX: 649-328-00-1 TARIC code: 27101225 UN: 1268
IMDG: 3 II UN 1268 ADR: 3 II UN 1268 (D/E) IATA: 3 II UN 1268

| PETROLEUM ETHER 40-60 EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Res. on evap. < 0.001%<br>$H_2O$ < 0.01%<br>Benzene < 0.001%<br>S < 0.005% | | Destil.Range 40 - 60°C<br>APP 0°C Passes test | | PEET-40P-1K0 | G GL45 | 1 L | |
| | | | | PEET-40P-2K5 | G GL45 | 2,5 L | |
| | | | | PEET-40P-P04 | G GL45 | 4 x 2,5 L | |
| PETROLEUM ETHER 40-60 AGR | | | BASICKEM | reference | packaging | | price |
| Non-Vol. Mat. < 0.001%<br>$H_2O$ < 0.01%<br>Free Acid < 0.002%<br>Al < 0.00005%<br>Colour < 10APHA<br>B < 0.000002%<br>Ba < 0.00001%<br>Ca < 0.00005%<br>Cd < 0.000005% | Co < 0.000002%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>Fe < 0.00001%<br>Mg < 0.00001%<br>Mn < 0.000002%<br>Ni < 0.000002%<br>Pb < 0.000002%<br>Sn < 0.00001% | Zn < 0.00001%<br>Benzene < 0.01%<br>Iodine Number < 0.3<br>S < 0.005%<br>Density 0.640 - 0.655g/ml<br>Boiling range > 90%<br>Res. on evap. < 0.001% | | PEET-40A-1K0 | G GL45 | 1 L | |
| | | | | PEET-40A-2K5 | G GL45 | 2,5 L | |
| | | | | PEET-40A-P04 | G GL45 | 4 x 2,5 L | |
| PETROLEUM ETHER 40-60 HPLC GGR | | | INSTRUKEM | reference | packaging | | price |
| Water < 0.01%<br>Acidity < 0.0005meq/q<br>Res. on evap. < 0.0005%<br>UV-Tr. (1cm;Wat.) 210 nm > 60%<br>UV-Tr. (1cm;Wat.) 220 nm > 80% | | UV-Tr. (1cm;Wat.) 230 nm > 90%<br>UV-Tr. (1cm;Wat.) 240 nm > 98%<br>UV-Tr. (1cm;Wat.) 250 nm > 99% | | PEET-4GH-2K5 | G GL45 | 2,5 L | |
| | | | | PEET-4GH-P04 | G GL45 | 4 x 2,5 L | |

## PH STANDARDS *SEE P. 319*

## 1,10-PHENANTHROLINE MONOHYDRATE *SEE P. 435*

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## PHENOL CRYSTALLIZED

labkem

M.W.: 94,11 CAS: 108-95-2 EC: 203-632-7 EC INDEX: 604-001-00-2 TARIC code: 29071100
UN: 1671 IMDG: 6.1 II UN 1671 ADR: 6.1 II UN 1671 (D/E) IATA: 6.1 II UN 1671

$C_6H_5OH$



| PHENOL CRYSTALLIZED EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Colourless or pink crystals or mass<br>Assay > 98.0<br>Melting point 38.0 - 42.0°C | | PHOL-00T-500 | G | 500 g | |

| PHENOL CRYSTALLIZED AGR ACS | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. White crystalls or crystalline flakes (turns pink on exposure to air and light)<br>Assay (GC) > 99.5<br>Solub. (5% in wat.) Clear/colourless solution<br>Freezing point 40.5 - 41°C<br>Non-volatile matter < 0.02% | $Cl^-$ < 0.005%<br>Fe < 0.0001%<br>Pb < 0.001%<br>$H_2O$ < 0.5% | | PHOL-00A-500 | P | 500 g | |

## POTASSIUM BROMIDE

labkem

M.W.: 119,00 CAS: 7758-02-3 EC: 231-830-3 TARIC code: 28275100

**KBr**



| POTASSIUM BROMIDE AGR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 99.5<br>Loss on dry. (105 °C) < 0.5%<br>Insol. matter < 0.005%<br>pH (5%) 5.0 - 8.8<br>Total N < 0.001%<br>$BrO_3$ < 0.001% | $Cl^-$ < 0.1%<br>$I^-$ < 0.02%<br>$SO_4$ < 0.005%<br>Heavy metals (Pb) < 0.0005%<br>Ba < 0.002%<br>Ca < 0.001% | Fe < 0.0005%<br>Mg < 0.001%<br>Na < 0.05% | POBR-00A-500 | P | 500 g | |

## POTASSIUM CARBONATE

labkem

M.W.: 138,21 CAS: 584-08-7 EC: 209-529-3 TARIC code: 28364000

$K_2CO_3$



| POTASSIUM CARBONATE AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99%<br>Insol. matter < 0.01%<br>Total N < 0.001%<br>$Cl^-$ and $ClO_3$ < 0.002%<br>$PO_4$ < 0.001%<br>Ca + Mg < 0.008% | $SiO_2$ < 0.004%<br>Fe < 0.001%<br>$SO_4$ < 0.004%<br>Heavy metals (Pb) < 0.0005%<br>As < 0.00005% | POCA-00A-500 | P | 500 g | |

## POTASSIUM CHLORIDE

labkem

M.W.: 74.55 CAS: 7447-40-7 EC: 231-211-8 TARIC code: 31042090

**KCl**

| POTASSIUM CHLORIDE AGR ISO, ACS, PH. EUR. | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 99.5%<br>Ba < 0.001%<br>Ca < 0.001%<br>Fe < 0.0002%<br>Mg < 0.0005% | Na < 0.02%<br>Heavy metals (Pb) < 0.0005%<br>Br < 0.01%<br>$I^-$ < 0.002%<br>$PO_4$ < 0.0005% | $SO_4$ < 0.002%<br>N < 0.001%<br>Loss on dry. < 0.2%<br>pH 5 - 8% | POCL-00A-1K0 | P GHS | 1 kg | |

## POTASSIUM CHROMATE

Restriction: REACH Autorization

labkem

M.W.: 194,19 CAS: 7789-00-6 EC: 232-140-5 EC INDEX: 024-006-00-8 TARIC code: 28415000
UN: 3288 IMDG: 6.1 III UN 3288 ADR: 6.1 III UN 3288 (D/ E) IATA: 6.1 III UN 3288

$K_2CrO_4$



| POTASSIUM CHROMATE AGR ACS | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99.5<br>Substances insoluble in water ($H_2O$) < 0.005%<br>pH (5% water) 9 - 9.8<br>Chloride ($Cl^-$) < 0.001%<br>Calcium (Ca) < 0.005% | Sodium (Na) < 0.05%<br>Lead (Pb) < 0.005%<br>Sulfates ($SO_4$) < 0.01% | POCH-00A-500 | P | 500 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## POTASSIUM DICHROMATE

Restriction: REACH Autorization

M.W.: 294.19 CAS: 7778-50-9 EC: 231-906-6 EC INDEX: 024-002-00-6 TARIC code: 28415000
UN: 3086 IMDG: 6.1 (5.1) II UN 3086 ADR: 6.1 (5.1) II UN 3086 (D/E) IATA: 6.1 (5.1) II UN 3086

$K_2Cr_2O_7$

| POTASSIUM DICHROMATE AGR ACS, ISO, PH. EUR. | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.8%<br>Loss on dry. < 0.05%<br>Ca < 0.002%<br>Cu < 0.001%<br>Fe < 0.001%<br>Na < 0.01%<br>Pb < 0.005%<br>$Cl^-$ < 0.001%<br>$SO_4$ < 0.005%<br>Insol. matter < 0.005% | | PODC-00A-250 | P | 250 g | |

## POTASSIUM DICHROMATE, VOLUMETRIC SOLUTION

Restriction: REACH Autorization

M.W.: 294.19 CAS: 7778-50-9 EC: 231-906-6 EC INDEX: 024-002-00-6 TARIC code: 28415000

$K_2Cr_2O_7$

| POTASSIUM DICHROMATE, VOLUMETRIC SOLUTION 0.0167 M (0.1 N) VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Comp. 4.9032g $K_2Cr_2O_7$/L<br>Concentration (20°C) (M) 0.01663 - 0.0167M<br>Concentration (20°C) (N) 0.0998 - 0.1002N<br>Tolerance (M) 0.000033M<br>Tolerance (N) 0.0002N | | PODC-01V-1K0 | P GL45 | 1 L | |

## POTASSIUM DIHYDROGEN PHOSPHATE

M.W.: 136,08 CAS: 7778-77-0 EC: 231-913-4 TARIC code: 28352400

$KH_2PO_4$

| POTASSIUM DIHYDROGEN PHOSPHATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay (acidimetric) > 99.5%<br>pH (5%) 4.1 - 4.5<br>Insol. matter in water < 0.01%<br>$Cl^-$ < 0.001%<br>$SO_4$ < 0.003%<br>Total N < 0.001%<br>Heavy metals (by ICP-OES) < 0.001%<br>Fe < 0.001%<br>Na < 0.005%<br>Loss on dry. (105 ºC; 2 hrs) < 0.2% | | PODP-00A-500 | P | 500 g | |

## POTASSIUM HEXACYANOFERRATE (II) TRIHYDRATE

M.W.: 422,39 CAS: 14459-95-1 EC: 237-722-2 TARIC code: 28372000

$K_4[Fe(CN)_6]\cdot 3H_2O$

| POTASSIUM HEXACYANOFERRATE (II) TRIHYDRATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Pale yellow crystalline powder<br>Assay (by cerimetry) 98.5 - 102%<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.01%<br>$SO_4$ < 0.01% | | POHF-23A-500 | P | 500 g | |

## POTASSIUM HEXACYANOFERRATE (III)

M.W.: 329,25 CAS: 13746-66-2 EC: 237-323-3 TARIC code: 28372000 UN: 3077 IMDG: 9 III
UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077

$K_3(Fe(CN)_6)$

| POTASSIUM HEXACYANOFERRATE (III) AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay (by iodometry) > 99.0%<br>App. Red crystals<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.01%<br>$SO_4$ < 0.01%<br>$(Fe(CN)_6)^{2-}$ < 0.05% | | POHF-30A-500 | P | 500 g | |

## DI-POTASSIUM HYDROGEN PHOSPHATE ANHYDROUS

M.W.: 174.18 CAS: 7758-11-4 EC: 231-834-5 TARIC code: 28352400

$K_2HPO_4$

| DI-POTASSIUM HYDROGEN PHOSPHATE ANHYDROUS AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. White hygroscopic crystalline powder<br>Assay > 99%<br>pH (5%, 25°C) 8.7 - 9.6<br>$Cl^-$ < 0.003%<br>Heavy metals (Pb) < 0.0005%<br>Insol. matter < 0.01%<br>Fe < 0.001%<br>Loss on dry. (105ºC) < 1%<br>Nitrogen compounds < 0.001%<br>Na < 0.5%<br>$SO_4$ < 0.005% | | POHP-00A-500 | P | 500 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## POTASSIUM HYDROGEN PHTHALATE

labkem

M.W.: 204,22 CAS: 877-24-7 EC: 212-889-4 TARIC code: 29173985

$C_8H_5KO_4$

| POTASSIUM HYDROGEN PHTHALATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Appearance White crystalline powder<br>Assay (after drying) > 99.5%<br>Substances insoluble in water ($H_2O$) < 0.005%<br>Loss on drying (110 °C) < 0.2%<br>Chloride ($Cl^-$) < 0.002%<br>Phthalic acid ($C_6H_4(COOH)_2$) < 0.005% | Sulfates ($SO_4$) < 0.005%<br>Copper (Cu) < 0.0005%<br>Iron (Fe) < 0.0005%<br>Lead (Pb) < 0.0005%<br>Sodium (Na) < 0.01% | POPH-00A-500 | P | 500 g | |

## POTASSIUM HYDROXYDE

labkem

M.W.: 56,11 CAS: 1310-58-3 EC: 215-181-3 EC INDEX: 019-002-00-8 TARIC code: 28152000
UN: 1813 IMDG: 8 II UN 1813 ADR: 8 II UN 1813 (E) IATA: 8 II UN 1813

KOH

| POTASSIUM HYDROXYDE 85% EPR IN GRANULES OR FLAKES | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Appearance/color White to gray granule or flakes<br>Assay > 85%<br>Iron (Fe) < 0.001%<br>Total Nitrogen < 0.001%<br>Chloride ($Cl^-$) < 0.01%<br>Phosphate ($PO_4$) < 0.003%<br>Silica ($SiO_2$) < 0.01% | Carbonates ($CO_3$) ( as $K_2CO_3$) < 1.5%<br>Sulfates ($SO_4$) < 0.005%<br>Heavy metals (Pb) < 0.002%<br>Aluminum (Al) < 0.01%<br>Calcium (Ca) < 0.003% | POHY-P0T-500 | P | 500 g | |
| | | POHY-P0T-1K0 | P | 1 kg | |

| POTASSIUM HYDROXYDE 85% AGR IN GRANULES OR FLAKES | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Appearance/color White to gray granule or flakes<br>Assay > 85%<br>Chloride ($Cl^-$) < 0.004%<br>Total Nitrogen < 0.001%<br>Phosphate ($PO_4$) < 0.001%<br>Silicon dioxide ($SiO_2$) < 0.005%<br>Carbonates ($CO_3$) ( as $K_2CO_3$) < 1.5% | Sulfates ($SO_4$) < 0.002%<br>Heavy metals (Pb) < 0.001%<br>Aluminum (Al) < 0.001%<br>Calcium (Ca) < 0.001%<br>Iron (Fe) < 0.001% | POHY-P0A-500 | P | 500 g | |
| | | POHY-P0A-1K0 | P | 1 kg | |
| | | POHY-P0A-5K0 | P | 5 kg | |

## POTASSIUM HYDROXIDE, VOLUMETRIC SOLUTIONS

labkem

M.W.: 56.11 CAS: 1310-58-3 EC: 215-181-3 EC INDEX: 019-002-00-8 TARIC code: 28152000
UN: 1814 IMDG: 8 III UN 1814 ADR: 8 III UN 1814 (E) IATA: 8 III UN 1814

KOH

| POTASSIUM HYDROXIDE, VOLUMETRIC SOLUTION 0.1 M (0.1 N) VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Concentration (20°C) (M) 0.0996 - 0.1004M<br>Concentration (20°C) (N) 0.0996 - 0.1004N<br>Tolerance (M) 0.0004M<br>Tolerance (N) 0.0004N | | POHY-01V-1K0 | P | 1 L | |

| POTASSIUM HYDROXIDE, VOLUMETRIC SOLUTION 1 M (1 N) VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Colourless clear liquid<br>Concentration (25°C) (M) 0.996 - 1.004M<br>Concentration (25°C) (N) 0.996 - 1.004N | Tolerance (M) 0.004M<br>Tolerance (N) 0.004N | POHY-1V0-1K0 | P | 1 L | |

## POTASSIUM HYDROXIDE, VOLUMETRIC SOLUTIONS IN ETHANOL

labkem

TARIC code: 38229000 M.W.: 56.11 UN: 2924 IMDG: 3 (8) II UN 2924 ADR: 3 (8) II UN 2924 (D/E) IATA: 3 (8) II UN 2924

KOH

| POTASSIUM HYDROXIDE, 0.1 M (0.1 N) IN ETHANOL VOLUMETRIC SOLUTION VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Comp. 5.612 g KOH / L $C_2H_5OH$<br>Concentration (20°C) (M) 0.0998 - 0.1002M<br>Concentration (20°C) (N) 0.0998 - 0.1002N | Tolerance (M) 0.0002M<br>Tolerance (N) 0.0002N | POHY-E1V-1K0 | G GL45 | 1 L | |

| POTASSIUM HYDROXIDE, 0.5 M (0.5 N) IN ETHANOL VOLUMETRIC SOLUTION VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Comp. 28.055g KOH / L $C_2H_5OH$<br>Concentration (20°C) (M) 0.499 - 0.501M<br>Concentration (20°C) (N) 0.499 - 0.501N | Tolerance (M) 0.001M<br>Tolerance (N) 0.001N | POHY-E5V-1K0 | G GL45 | 1 L | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## POTASSIUM IODIDE

labkem

M.W.: 166,00 CAS: 7681-11-0 EC: 231-659-4 TARIC code: 28276000

**KI**



| POTASSIUM IODIDE EPR PH.EUR. | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. White granular material of small uniform particle size with free flowing characteristics<br>Odour Odourless<br>Assay > 99%<br>Insol. matter < 0.01%<br>pH (5%) 6 - 9.2 | Loss on dry. (150 °C) < 0.3%<br>$IO_3$ < 0.001%<br>$Cl^-$ and $Br^-$ (Cl) < 0.05%<br>$SO_4$ < 0.01%<br>N Comp. (N) < 0.001%<br>Heavy metals (Pb) < 0.001%<br>$PO_4$ < 0.005% | Ba < 0.005%<br>Ca < 0.005%<br>Na < 0.01%<br>Mg < 0.005%<br>Fe < 0.0006%<br>Org. Volat. impur. conforms | | POIO-00P-250 | P | 250 g | |
| | | | | POIO-00P-500 | P | 500 g | |
| | | | | POIO-00P-1K0 | P | 1 kg | |
| POTASSIUM IODIDE AGR ISO | | | BASICKEM | reference | packaging | | price |
| App. White granular material of small uniform particle size with free flowing characteristics<br>Odour Odourless<br>Assay > 99%<br>Insol. matter < 0.005%<br>pH (5%) 6 - 9.2 | Loss on dry. (150 °C) < 0.2%<br>$IO_3$ < 0.0003%<br>$Cl^-$ and $Br^-$ (Cl) < 0.01%<br>$SO_4$ < 0.005%<br>N Comp. (N) < 0.001%<br>Heavy metals (Pb) < 0.0005%<br>$PO_4$ < 0.001% | Ba < 0.002%<br>Ca < 0.002%<br>Na < 0.005%<br>Mg < 0.001%<br>Fe < 0.0003%<br>Org. Volat. impur. conforms | | POIO-00A-250 | P | 250 g | |
| | | | | POIO-00A-1K0 | P | 1 kg | |

## POTASSIUM NITRATE

Restriction: Explosives precursor

labkem

M.W.: 101,10 CAS: 7757-79-1 EC: 231-818-8 TARIC code: 28342100 UN: 1486 IMDG: 5.1 III UN 1486 ADR: 5.1 III UN 1486 (E) IATA: 5.1 III UN 1486

**$KNO_3$**



| POTASSIUM NITRATE EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 98.5%<br>App. White powder<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.002%<br>$H_2O$ < 0.5% | $PO_4$ < 0.001%<br>$NH_4$ < 0.005%<br>$SO_4$ < 0.02%<br>Fe < 0.001%<br>Heavy metals (Pb) < 0.0005% | Ca < 0.002%<br>Mg < 0.002%<br>Na < 0.03%<br>$NO_2$ < 0.001% | | PONA-00P-1K0 | P | 1 kg | |
| POTASSIUM NITRATE AGR | | | BASICKEM | reference | packaging | | price |
| Assay > 99%<br>App. white powder<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.001%<br>$H_2O$ < 0.2%<br>pH (5%, 20°C) 5.5 - 8<br>$PO_4$ < 0.0003% | $IO_3$ < 0.0005%<br>$SO_4$ < 0.003%<br>Fe < 0.0002%<br>$NH_4$ < 0.005%<br>Ca < 0.002%<br>Cu < 0.001%<br>Mg < 0.001% | Na < 0.02%<br>$NO_2$ < 0.0005%<br>Pb < 0.001%<br>Zn < 0.001% | | PONA-00A-500 | P | 500 g | |
| | | | | PONA-00A-1K0 | P | 1 kg | |

## POTASSIUM PERMANGANATE

Restriction: Drugs precursor Cat. 2

M.W.: 158,04 CAS: 7722-64-7 EC: 231-760-3 EC INDEX: 025-002-00-9 TARIC code: 28416100 UN: 1490 IMDG: 5.1 II UN 1490 ADR: 5.1 II UN 1490 (E) IATA: 5.1 II UN 1490

**$KMnO_4$**



| POTASSIUM PERMANGANATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.0%<br>Insol. matter < 0.2%<br>$Cl^-$ < 0.005%<br>$SO_4$ < 0.02% | | KMNO-00A-500 | P | 500 g | |
| | | KMNO-00A-1K0 | P | 1 kg | |

## POTASSIUM PERMANGANATE, VOLUMETRIC SOLUTIONS

Restriction: Drugs precursor Cat. 2

labkem

M.W.: 158.04 CAS: 7722-64-7 EC: 231-760-3 TARIC code: 28416100 UN: 3082 IMDG: 9 III UN 3082 ADR: 9 III UN 3082 (E) IATA: 9 III UN 3082

**$KMnO_4$**



| POTASSIUM PERMANGANATE 0.02 M (0.1 N) VOLUMETRIC SOLUTION VSA | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Comp. 3.161 g $KMNO_4$ / L<br>Concentration (20°C) (M) 0.01996 - 0.02004M<br>Concentration (20°C) (N) 0.0998 - 0.1002N | Tolerance (M) 0.00004M<br>Tolerance (N) 0.0002N | | KMNO-01V-1K0 | G GLS | 1 L | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## POTASSIUM SODIUM TARTRATE TETRAHYDRATE

labkem

M.W.: 282.22 CAS: 6381-59-5 EC: 205-698-2 TARIC code: 29181300

$C_4H_4KNaO_6 4H_2O$

| POTASSIUM SODIUM TARTRATE TETRAHYDRATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay 99 - 102%<br>App. Colourless crystals or white powder<br>Insol. matter < 0.01%<br>$Cl^-$ < 0.001%<br>pH (5%, 20°C) 7 - 8.5<br>Subst. red. $KMnO_4$ Passes test | $NH_4$ < 0.002%<br>Fe < 0.0005%<br>$SO_4$ < 0.01%<br>Heavy metals (Pb) < 0.0005%<br>Ca < 0.002% | POST-00A-500 | P | 500 g | |
| | | POST-00A-1K0 | P | 1 kg | |

## POTASSIUM SULPHATE

labkem

M.W.: 174.27 CAS: 7778-80-5 EC: 231-915-5 TARIC code: 31043000

$K_2SO_4$

| POTASSIUM SULPHATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. White cryst. powder<br>Assay (titration after ion exchange) 99-101%<br>Insol. matter (6.67 % in water) < 0.01%<br>pH (5%) 5.5 - 8.5<br>$Cl^-$ < 0.001%<br>Total N< 0.0005% | Heavy metals (Pb) < 0.0005%<br>Fe<0.0005<br>Ca < 0.005%<br>Mg <0.002%<br>Na < 0.02% | POSU-00A-500 | P | 500 g | |

## POTASSIUM THIOCYANATE

labkem

M.W.: 97,18 CAS: 333-20-0 EC: 206-370-1 EC INDEX: 615-004-00-3 TARIC code: 28429080

**KSCN**

| POTASSIUM THIOCYANATE AGR ACS | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Colourless to white deliquescent crystals<br>Assay > 98.5%<br>Insol. matter < 0.005%<br>pH (5%) 5.3 - 8.5<br>$Cl^-$ < 0.005%<br>$SO_4$ < 0.005% | $NH_4$ < 0.003%<br>Heavy metals (Pb) < 0.0005%<br>Fe < 0.0002%<br>Na < 0.005%<br>I consuming subst. Passes ACS test | POTH-00A-500 | P | 500 g | |

## 1-PROPANOL

labkem

M.W.: 60,10 CAS: 71-23-8 EC: 200-746-9 EC INDEX: 603-003-00-0 TARIC code: 29051200
UN: 1274 IMDG: 3 II UN 1274 ADR: 3 II UN 1274 (D/E) IATA: 3 II UN 1274

$CH_3CH_2CH_2OH$

| 1-PROPANOL HPLC GGR | INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.5%<br>Water (KF) < 0.05%<br>Acidity < 0.0005meq/g<br>Res. on evap. < 0.0005% | UV-Tr. (1cm;Wat.) 250 nm > 90%<br>UV-Tr. (1cm;Wat.) 290 nm > 98%<br>UV-Tr. (1cm;Wat.) 300 nm > 99% | PROL-1GH-2K5 | G GL45 | 2,5 L | |
| | | PROL-1GH-P04 | G GL45 | 4 x 2,5 L | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## 2-PROPANOL

labkem

M.W.: 60,10 CAS: 67-63-0 EC: 200-661-7 EC INDEX: 603-117-00-0 TARIC code: 29051200
UN: 1219 IMDG: 3 II UN 1219 ADR: 3 II UN 1219 (D/E) IATA: 3 II UN 1219

$CH_3CH(OH)CH_3$

| 2-PROPANOL 99.9% GLR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.9%<br>App. Colourless transparent liquid<br>Colour (Hazen) < 10<br>Water < 0.1%<br>Acid. (Acetic acid) < 0.001%<br>Density at 20°C 0.784 - 0.786g/ml<br>Refractive index 1.376 - 1.378<br>Non-Vol. Mat. < 0.001g/100ml | PROL-P0P-1K0 | P COEX | 1 L | |
| | PROL-G0P-1K0 | G PP28 | 1 L | |
| | PROL-P0P-5K0 | P COEX | 5 L | |
| | PROL-P0P-10K | P COEX | 10 L | |
| | PROL-M0P-25K | M | 25 L | |

| 2-PROPANOL AGR ACS, PH.EUR. — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.8%<br>Non-Vol. Mat. < 0.0005%<br>$H_2O$ < 0.1%<br>Al < 0.00005%<br>Colour < 10Apha<br>B < 0.000002%<br>Ba < 0.00001%<br>Ca < 0.00005%<br>Cd < 0.000005%<br>Co < 0.000002%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>Fe < 0.00001%<br>Mg < 0.00001%<br>Ni < 0.000002%<br>Pb < 0.00001%<br>Sn < 0.00001%<br>Na < 0.0001%<br>S < 0.00005%<br>Zn < 0.00001%<br>Acetone < 0.002%<br>Ethanol < 0.01%<br>Methanol < 0.1%<br>Carbonyl comp. < 0.002%<br>Subst. red. $KMnO_4$ < 0.0005%<br>Density 0.784 - 0.786g/ml<br>Res. on evap. < 0.001%<br>Solub. in $H_2O$<br>Acidity < 0.0001meq/g<br>Alkalinity < 0.0001meq/g<br>Benzene < 0.002%<br>Abs. (230 nm) < 0.3nm<br>Abs. (250 nm) < 0.1nm<br>Abs. (270 nm) < 0.03nm<br>Abs. (290 nm) < 0.020nm<br>Abs. (310 nm) < 0.01nm | PROL-0IA-1K0 | P GL45 | 1 L | |
| | PROL-0IA-2K5 | P GL45 | 2,5 L | |
| | PROL-0IA-P04 | P GL45 | 4 x 2,5 L | |
| | PROL-0IA-5K0 | P | 5 L | |

| 2-PROPANOL HPLC GGR — INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|
| ACS Spec. passes test<br>UV Absorbance<br>UV-Abs. max. lim. (205 nm) < 1.0%<br>UV-abs. max. lim. (220 nm) < 0.25%<br>UV-Abs. max. lim. (230 nm) < 0.13%<br>UV-Abs. max. lim. (254 nm) < 0.02%<br>Assay > 99.8%<br>Colour (Hazen) < 10<br>Water (KF) < 0.1%<br>Res. on evap. < 0.0002%<br>Carbonyl comp. < 0.002% | PROL-2GH-2K5 | G GL45 | 2,5 L | |
| | PROL-2GH-P04 | G GL45 | 4 x 2,5 L | |

| 2-PROPANOL LC/MS LGR — INSTRUKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99.9%<br>Filtered through 0.2 µm<br>App. Clear colourless liquid<br>$H_2O$ (by KF) < 0.05%<br>Colour (Hazen) < 5<br>Acid. (Acetic acid) < 0.002%<br>Alkal. (Ammonia) < 0.002%<br>Res. on evap. < 0.0005%<br>Grad. elut. H. Peak (210 nm) < 0.002AU<br>Grad. elut. H. Peak (254 nm) < 0.002AU<br>T210nm > 40%<br>T220nm > 80%<br>T230nm > 90%<br>T250nm > 98%<br>Ca < 0.00001%<br>Mg < 0.00001%<br>Na < 0.00001%<br>K < 0.00001% | PROL-LCM-2K5 | G GL45 | 2,5 L | |
| | PROL-LCM-P04 | G GL45 | 4 x 2,5 L | |

## PROPIONIC ACID 99%

labkem

M.W.: 74.08 CAS: 79-09-4 EC: 201-176-3 EC INDEX: 607-089-00-0 TARIC code: 29155000
UN: 3463 IMDG: 8 (3) II UN 3463 ADR: 8 (3) II UN 3463 (D/E) IATA: 8 (3) II UN 3463

$CH_3CH_2COOH$

| PROPIONIC ACID 99% EPR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Assay > 99%<br>Density at 20°C 0.991 - 0.994g/ml<br>Refractive index 1.386 - 1.388 | PRAC-00T-500 | G GL45 | 500 ml | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## PUMICE STONE

labkem

TARIC code: 25131000 CAS: 1332-09-8

| PUMICE STONE, GRAINS 0.85-3 MM GLR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Grains 0.85 - 3mm | | PUMI-00P-250 | P | 250 g | |

## PYRIDINE

labkem

M.W.: 79,10 CAS: 110-86-1 EC: 203-809-9 EC INDEX: 613-002-00-7 TARIC code: 29333100

UN: 1282 IMDG: 3 II UN 1282 ADR: 3 II UN 1282 (D/E) IATA: 3 II UN 1282

$C_5H_5N$

| PYRIDINE AGR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 99.5%<br>Non-Vol. Mat. < 0.002<br>$H_2O$ < 0.1%<br>$NH_3$ < 0.001%<br>Al < 0.00005%<br>B < 0.000002%<br>Ba < 0.00001%<br>Ca < 0.00005%<br>Cd < 0.000005% | Co < 0.000002%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>Fe < 0.00001%<br>Mg < 0.00001%<br>Mn < 0.000002%<br>Ni < 0.000002%<br>Pb < 0.00001%<br>Sn < 0.00001% | Zn < 0.00001%<br>$Cl^-$ < 0.0005%<br>$SO_4$ < 0.005%<br>Subst. red. $KMnO_4$ < 0.0005%<br>Piperidine < 0.01%<br>2-Picoline < 0.2%<br>Solub. (1 mg/mL $H_2O$) Passes test<br>Res. on evap. < 0.002% | PYRI-00A-1K0 | G | 1 L | |

## SALICYLIC ACID

labkem

M.W.: 138,12 CAS: 69-72-7 EC: 200-712-3 TARIC code: 29182100

$HOC_6H_4COOH$

| SALICYLIC ACID EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. White crystals<br>Assay > 98.0%<br>Melt. range 158 - 161°C<br>Ash ($SO_4$) < 0.02% | | SAAC-00P-500 | P | 500 g | |

| SALICYLIC ACID AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99.5%<br>Melt. range 159 - 161°C<br>Solub. in EtOH Passes test<br>Subs. carbon. by $H_2SO_4$ Passes test<br>$Cl^-$ < 0.005% | Ash ($SO_4$) < 0.02%<br>Fe < 0.0005%<br>Heavy metals (Pb) < 0.0005%<br>$SO_4$ < 0.005% | | SAAC-00A-500 | P | 500 g | |

## SAND, CLEANED AND DRIED

M.W.: 60,1 CAS: 14808-60-7 EC: 238-878-4 TARIC code: 25051000

$SiO_2$

| SAND, CLEANED AND DRIED, FINE, 0.01-0.4 MM AUX | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Round particles<br>Light beige colour<br>Part. Size 0.01 - 0.4mm<br>Density 2.5g/ml<br>pH (20% suspension) 6.77 | Assay ($SiO_2$) > 98.5%<br>Heavy met. Exempt<br>$Al_2O_3$ < 0.6%<br>$Fe_2O_3$ < 0.15%<br>CaO < 0.1% | MgO < 0.35%<br>$Na_2O$ < 0.28%<br>$K_2O$ < 0.25%<br>$TiO_2$ < 0.07% | SAND-001-1K0 | P | 1 kg | |
| | | | SAND-001-5K0 | P | 5 kg | |

| SAND, CLEANED AND DRIED, COARSE, 1-2 MM AUX | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Round particles<br>Assay ($SiO_2$) > 98.5%<br>Density 2.49g/ml<br>Part. Size 1 - 2mm<br>Loss on ign. < 0.35% | pH (20% suspension) 6.87<br>$Al_2O_3$ < 0.6%<br>$Fe_2O_3$ < 0.15%<br>CaO < 0.1%<br>MgO < 0.35% | $Na_2O$ < 0.28%<br>$K_2O$ < 0.25%<br>$TiO_2$ < 0.07%<br>Heavy met. Exempt | SAND-002-1K0 | P | 1 kg | |
| | | | SAND-002-5K0 | P | 5 kg | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## SILICA GEL FOR DESICCATOR *SEE P. 97*

## SILICA GEL FOR CHROMATOGRAPHY *SEE P. 228*

## SILICONE GREASE *SEE P. 142*

## SILICONE OIL *SEE P. 290*

## SILVER NITRATE

M.W.: 169,87 CAS: 7761-88-8 EC: 231-853-9 EC INDEX: 047-001-00-2 TARIC code: 28432100
UN: 1493 IMDG: 5.1 II UN 1493 ADR: 5.1 II UN 1493 (E) IATA: 5.1 II UN 1493

**$AgNO_3$**



| SILVER NITRATE AGR ACS | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 99.9%<br>Clarity of sol. Passes test<br>Insol. matter < 0.003%<br>Silver (Ag) > 63.4%<br>$Cl^-$ < 0.0001% | pH 3.8 - 6<br>$H_2O$ < 0.05%<br>Fe < 0.0001%<br>Ca < 0.0005%<br>Cu < 0.0001% | $NO_2$ < 0.0002%<br>Pb < 0.0002%<br>Subst not pptd by HCl < 0.01% | | SINA-00A-025 | G PP48 | 25 g | |
| | | | | SINA-00A-100 | G PP48 | 100 g | |

## SILVER NITRATE, VOLUMETRIC SOLUTION

labkem

TARIC code: 28432100 M.W.: 169.87 CAS: 7761-88-8 UN: 3082 IMDG: 8 III UN 3082 ADR: 8 III UN 3082 (E) IATA: 8 III UN 3082

**$AgNO_3$**



| SILVER NITRATE, VOLUMETRIC SOLUTION 0.1 M (0.1 N) VSA | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Composition 16.987g $AgNO_3$/L<br>Concentration (20°C) (M) 0.0998 - 0.1002M<br>Concentration (20°C) (N) 0.0998 - 0.1002N | Tolerance (M) 0.0002M<br>Tolerance (N) 0.0002N | | SINA-01V-1K0 | P GL45 | 1 L | |

## SILVER SULFATE

labkem

M.W.: 311.8 CAS: 10294-26-5 EC: 233-653-7 TARIC code: 28432900 UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077

**$Ag_2SO_4$**



| SILVER SULFATE AGR ACS | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99.5%<br>Cu < 0.0005%<br>Fe < 0.001%<br>Ni < 0.001%<br>Pb < 0.001% | Zn < 0.0005%<br>$Cl^-$ < 0.001%<br>$NO_3$ < 0.001% | | SISU-00A-025 | P | 25 g | |

## SODIUM ACETATE ANHYDROUS

M.W.: 82.03 CAS: 127-09-3 EC: 204-823-8 TARIC code: 29152900

**$CH_3COONa$**

| SODIUM ACETATE ANHYDROUS EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay 99 - 101%<br>Formic acid < 0.1%<br>As < 0.0002%<br>Hg < 0.00001%<br>Heavy met. < 0.001%<br>pH (1%) 8 - 9.5 | Loss on dry. < 0.5%<br>Pb < 0.0002%<br>Cd < 0.0001%<br>Ca + Mg < 0.005%<br>$Cl^-$ < 0.03%<br>Fe < 0.0003% | K < 0.05%<br>$SO_4$ < 0.005%<br>Acetic acid < 0.5%<br>App. white/hygrosc. powd.<br>Insol. matter < 0.05% | | SOAC-A0P-500 | P | 500 g | |
| | | | | SOAC-A0P-1K0 | P | 1 kg | |

| SODIUM ACETATE ANHYDROUS AGR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 99%<br>pH (5%) 7 - 9.2<br>Insol. matter < 0.01%<br>$Cl^-$ < 0.002%<br>$PO_4$ < 0.0005% | Fe < 0.0005%<br>Al < 0.001%<br>Ca < 0.001%<br>$SO_4$ < 0.002%<br>Cu < 0.0005% | Mg < 0.0005%<br>K < 0.03%<br>Pb < 0.0005% | | SOAC-A0A-500 | P | 500 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## SODIUM ACETATE TRIHYDRATE

labkem

M.W.: 136.08 CAS: 6131-90-4 EC: 204-823-8 TARIC code: 29152900 $CH_3COONa \cdot 3H_2O$

| SODIUM ACETATE TRIHYDRATE EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 98%<br>App. colourless crystals<br>Insol. matter < 0.01%<br>pH (5%, 20°C) 7.5 - 9.5<br>$Cl^-$ < 0.005% | Fe < 0.001%<br>Al < 0.001%<br>Ca < 0.005%<br>$SO_4$ < 0.01%<br>Cu < 0.005% | Mg < 0.002%<br>Pb < 0.005%<br>Zn < 0.005% | | SOAC-03P-1K0 | P | 1 kg | |
| SODIUM ACETATE TRIHYDRATE AGR | | | BASICKEM | reference | packaging | | price |
| App. White crystalline powder<br>Assay 99.5-101%<br>pH (5%) 7.5 - 9.2<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.003% | Nitrogen compounds < 0.001%<br>$PO_4$ < 0.0005%<br>$SO_4$ < 0.002%<br>Ca < 0.001%<br>Fe < 0.0005% | Pb < 0.0005%<br>Mg < 0.002%<br>K < 0.005%<br>Subst. red. $KMnO_4$ Passes test | | SOAC-03A-500 | P | 500 g | |

## SODIUM CARBONATE ANHYDROUS

M.W.: 105,99 CAS: 497-19-8 EC: 207-838-8 EC INDEX: 011-005-00-2 TARIC code: 28362000 $Na_2CO_3$

| SODIUM CARBONATE ANHYDROUS EPR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99%<br>Loss on dry. < 1.0%<br>$Cl^-$ < 0.3%<br>$SO_4$ < 0.04%<br>Fe < 0.0035% | As < 0.0002%<br>Hg < 0.0001%<br>Pb < 0.0002%<br>Density approx. 0.48 - 0.61g/ml | | SOCA-00P-500 | P | 500 g | |
| | | | SOCA-00P-1K0 | P | 1 kg | |
| | | | SOCA-00P-5K0 | P | 5 kg | |
| SODIUM CARBONATE ANHYDROUS AGR | | BASICKEM | reference | packaging | | price |
| Assay 99.5 - 100.5%<br>Loss on dry. (300 °C) < 1%<br>$H_2O$ < 0.5%<br>EP and USP Conforms<br>$Cl^-$ < 0.0125%<br>FCC (FDA) Conforms<br>Fe < 0.001% | Heavy metals (Pb) < 0.001%<br>$SO_4$ < 0.003%<br>As < 0.0003%<br>Pb < 0.0002%<br>Hg < 0.0001% | | SOCA-A0A-500 | P | 500 g | |

Material safety data sheets and certificates of analysis are downloadable free of charge at www.labbox.eu.

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LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## SODIUM CHLORIDE

labkem

M.W.: 58,44 CAS: 7647-14-5 EC: 231-598-3 TARIC code: 25010099 **NaCl**

| SODIUM CHLORIDE EPR — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay > 99.5%<br>Loss on drying (105ºC) < 1.0%<br>$SO_4$ < 0.02%<br>$NH_3$ < 0.002% | Fe < 0.002%<br>Pb < 0.002%<br>K < 0.02%<br>pH (5% solution) 5.0 - 8.0 | | SOCH-00T-500 | P | 500 g | |
| | | | SOCH-00T-1K0 | P | 1 kg | |

| SODIUM CHLORIDE AGR — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay 99.5-100-5%<br>Identity Passes Test<br>Appearance of solution Passes test<br>Acidity or alkalinity Passes test<br>pH (5%) 5.0 - 8.0<br>Insol. matter < 0.005%<br>Br < 0.005%<br>I < 0.001% | Ferrocyanide < 0.0001%<br>Chlorate and nitrate < 0.003%<br>$NO_2$ Passes test<br>$PO_4$ <0.0005%<br>$SO_4$ < 0.001%<br>Total Nitrogen < 0.0005%<br>Heavy met. (by ICP-OES) < 0.0005%<br>As < 0.00004%<br>Ba < 0.001% | Ca < 0.002%<br>Cu < 0.0002%<br>Fe < 0.0002%<br>Mg < 0.001%<br>Magnesium and alkali earth metals < 0.01%<br>K < 0.005%<br>Loss on drying (105ºC; 2 hrs) < 0.5% | SOCH-00A-500 | P | 500 g | |
| | | | SOCH-00A-1K0 | P | 1 kg | |
| | | | SOCH-00A-5K0 | P | 5 kg | |

| SODIUM CHLORIDE FOR SALT SPRAY CHAMBER ASTM B117-19 / ISO-9227:2023 AGR — BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.6%<br>Sodium Iodide (NaI) < 0.1%<br>Halides ($Br^-$, $I^-$, $F^-$) < 0.1%<br>Nickel (Ni) < 0.001%<br>Copper (Cu) < 0.00003%<br>Copper (Cu), Nickel (Ni), Lead (Pb) < 0.005% | Total Impurities < 0.2%<br>The salt does not contain anti-caking agents<br>According to ASTM B117-19<br>According to ISO 9227:2023 | SOCH-0SA-5K0 | P | 5 kg | |
| | | SOCH-0SA-25K | P | 25 kg | |

## TRI-SODIUM CITRATE DIHYDRATE

labkem

M.W.: 294,10 CAS: 6132-04-3 EC: 200-675-3 TARIC code: 29181500 **$C_6H_5Na_3O_7 \cdot 2H_2O$**

| TRI-SODIUM CITRATE DIHYDRATE AGR — BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99%<br>pH (5%, 20°C) 7 - 9<br>Insol. matter < 0.005%<br>Ammo. salts ($NH_4$) < 0.001%<br>$Cl^-$ < 0.001% | $PO_4$ < 0.002%<br>Fe < 0.0005%<br>$SO_4$ < 0.005%<br>Pb < 0.0005% | SOCI-02A-500 | P | 500 g | |

## SODIUM DIHYDROGEN PHOSPHATE ANHYDROUS

labkem

M.W.: 119.98 CAS: 7558-80-7 EC: 231-449-2 TARIC code: 28352200 **$NaH_2PO_4$**

| SODIUM DIHYDROGEN PHOSPHATE ANHYDROUS AGR — BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99%<br>App. White powder<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.003%<br>pH (5%, 20°C) 4 - 4.5<br>Fe < 0.003%<br>Heavy metals (Pb) < 0.002% | $SO_4$ < 0.005%<br>Ca < 0.005%<br>Cu < 0.005%<br>K < 0.03%<br>Zn < 0.005% | SODH-00A-500 | P | 500 g | |

## SODIUM DIHYDROGEN PHOSPHATE DIHYDRATE

labkem

TARIC code: 28352200 M.W.: 156,01 CAS: 13472-35-0 **$NaH_2PO_4 \cdot 2H_2O$**

| SODIUM DIHYDROGEN PHOSPHATE DIHYDRATE AGR — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99%<br>App. colourless/white powd.<br>Insol. matter < 0.005%<br>pH (5%, 20°C) 4.1 - 4.5<br>$Cl^-$ < 0.001% | Loss on dry. 22.8 - 24%<br>Total N < 0.002%<br>$SO_4$ < 0.005%<br>Fe < 0.002%<br>Heavy metals (Pb) < 0.001% | Ca < 0.005%<br>Mg < 0.001%<br>As < 0.0002% | SODH-02A-500 | P | 500 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## SODIUM DIHYDROGEN PHOSPHATE MONOHYDRATE

labkem

M.W.: 137.99 CAS: 10049-21-5 EC: 231-449-2 TARIC code: 28352200 $NaH_2PO_4 \cdot H_2O$

| SODIUM DIHYDROGEN PHOSPHATE MONOHYDRATE AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99%<br>Insol. matter < 0.005%<br>pH (5%, 20°C) 4.1 - 4.5<br>$Cl^-$ < 0.001%<br>Total N < 0.002%<br>Fe < 0.002% | Heavy metals (Pb) < 0.001%<br>Ca < 0.005%<br>$SO_4$ < 0.005%<br>Mg < 0.001%<br>As < 0.0001% | | SODH-01A-500 | P | 500 g | |

## SODIUM HEXAMETAPHOSPHATE

labkem

CAS: 68915-31-1 EC: 272-808-3 TARIC code: 28353900 $(NaPO_3)_n$

| SODIUM HEXAMETAPHOSPHATE GLR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay (as $P_2O_5$) 65 - 70% | | SOHM-00P-500 | P | 500 g | |

## SODIUM HYDROGEN CARBONATE

M.W.: 84,01 CAS: 144-55-8 EC: 205-633-8 TARIC code: 28363000 $NaHCO_3$

| SODIUM HYDROGEN CARBONATE EPR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Soft white crystalline powder<br>Assay 99.5 - 101%<br>pH (5%) 8.0 - 8.5<br>$Cl^-$ < 0.015%<br>$SO_4$ < 0.01%<br>Total Nitrogen < 0.002% | Heavy metals (Pb) < 0.0005%<br>As < 0.0002%<br>Pb < 0.0005%<br>Ca < 0.01%<br>Fe < 0.002% | | SOHC-00P-500 | P | 500 g | |
| | | | SOHC-00P-1K0 | P | 1 kg | |
| SODIUM HYDROGEN CARBONATE AGR | | BASICKEM | reference | packaging | | price |
| Assay > 99%<br>$Cl^-$ < 0.02%<br>$SO_4$ < 0.01% | Fe < 0.001%<br>Heavy metals (Pb) < 0.001% | | SOHC-00A-500 | P | 500 g | |

## DI-SODIUM HYDROGEN PHOSPHATE DIHYDRATE

labkem

M.W.: 177.99 CAS: 10028-24-7 EC: 231-448-7 TARIC code: 28352200 $Na_2HPO_4 \cdot 2H_2O$

| DI-SODIUM HYDROGEN PHOSPHATE DIHYDRATE EPR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 98%<br>Insol. matter < 0.01%<br>pH (5%, 20°C) 8.7 - 9.3<br>Loss on dry. 19.5 - 21%<br>$Cl^-$ < 0.002%<br>Fe < 0.002% | Heavy metals (Pb) < 0.002%<br>Cu < 0.002%<br>$SO_4$ < 0.02%<br>K < 0.01%<br>Zn < 0.002% | | SOPH-02P-1K0 | P | 1 kg | |
| DI-SODIUM HYDROGEN PHOSPHATE DIHYDRATE AGR | | BASICKEM | reference | packaging | | price |
| App. White crystalline powder<br>Assay > 99.5%<br>pH (5%) 8.8 - 9.4<br>$Cl^-$ < 0.001%<br>$SO_4$ < 0.005% | Total Nitrogen < 0.001%<br>Heavy metals (Pb) < 0.001%<br>Fe < 0.001%<br>K < 0.005% | | SOPH-02A-500 | P | 500 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## DI-SODIUM HYDROGEN PHOSPHATE DODECAHYDRATE

labkem

M.W.: 358,14 CAS: 10039-32-4 EC: 231-448-7 TARIC code: 28352200

$Na_2HPO_4 \cdot 12H_2O$

| DI-SODIUM HYDROGEN PHOSPHATE DODECAHYDRATE EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay 98 - 102%<br>App. White crystals/powder<br>Insol. matter < 0.01%<br>$Cl^-$ < 0.005%<br>Total N < 0.002%<br>pH (5%, 20°C) 9 - 9.5 | Fe < 0.002%<br>$SO_4$ < 0.02%<br>Heavy metals (Pb) < 0.002%<br>As < 0.0005% | SOPH-12P-500 | P | 500 g | |
| | | SOPH-12P-1K0 | P | 1 kg | |

## SODIUM HYDROXYDE

M.W.: 40,00 CAS: 1310-73-2 EC: 215-185-5 EC INDEX: 011-002-00-6 TARIC code: 28151100
UN: 1823 IMDG: 8 II UN 1823 ADR: 8 II UN 1823 (E) IATA: 8 II UN 1823

**NaOH**

| SODIUM HYDROXIDE PEARLS 1-2 MM EPR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 98.0%<br>Assay > 98.0%<br>$Na_2CO_3$ < 1.0%<br>$Na_2CO_3$ < 1.0%<br>Total N < 0.0007%<br>Total N < 0.0007%<br>$Cl^-$ < 0.015%<br>$Cl^-$ < 0.015% | $PO_4$ < 0.002%<br>$PO_4$ < 0.002%<br>$SiO_2$ < 0.008%<br>$SiO_2$ < 0.008%<br>$SO_4$ < 0.005%<br>$SO_4$ < 0.005%<br>Heavy met. < 0.002%<br>Heavy met. < 0.002% | Al < 0.002%<br>Al < 0.002%<br>Ca < 0.005%<br>Ca < 0.005%<br>Fe < 0.0015%<br>Fe < 0.0015% | SOHY-P0T-500 | P | 500 g | |
| | | | SOHY-P0T-1K0 | P | 1 kg | |
| SODIUM HYDROXIDE PEARLS 1-2 MM AGR, | | BASICKEM | reference | packaging | | price |
| Assay > 98%<br>$Na_2CO_3$ < 0.7%<br>Total N < 0.0005%<br>$Cl^-$ < 0.005%<br>$PO_4$ < 0.001%<br>$SiO_2$ < 0.005%<br>$SO_4$ < 0.003%<br>Heavy metals (Pb) < 0.001% | Ag < 0.0005%<br>Al < 0.001%<br>Ba < 0.0005%<br>Ca < 0.001%<br>Cd < 0.0005%<br>Co < 0.0005%<br>Cu < 0.0005%<br>Fe < 0.0005% | Mg < 0.0005%<br>Mn < 0.0005%<br>Ni < 0.0005%<br>Pb < 0.0005%<br>Sr < 0.0005%<br>Zn < 0.0005% | SOHY-P0A-500 | P | 500 g | |
| | | | SOHY-P0A-1K0 | P | 1 kg | |
| | | | SOHY-P0A-5K0 | P | 5 kg | |
| SODIUM HYDROXIDE AGR MICROPEARLS LOW IN METALS | | BASICKEM | reference | packaging | | price |
| Assay > 99.0%<br>$Na_2CO_3$ < 0.5%<br>$Na_2CO_3$ < 0.4%<br>NaCl < 0.03%<br>NaCl < 0.01%<br>$Na_2SO_4$ < 0.012%<br>$Na_2SO_4$ < 0.012% | As < 0.0001%<br>As < 0.0001%<br>Fe < 0.001%<br>Fe < 0.001%<br>Hg < 0.00005%<br>Hg < 0.00001%<br>Ni < 0.005% | Ni < 0.001%<br>Pb < 0.00005%<br>Pb < 0.00005%<br>Ca < 0.001%<br>Cr < 0.0002%<br>Si < 0.002% | SOHY-M0P-500 | P | 500 g | |
| | | | SOHY-M0P-1K0 | P | 1 kg | |
| | | | SOHY-M0P-5K0 | P | 5 kg | |

## SODIUM HYDROXIDE, SOLUTION

labkem

M.W.: 40,00 CAS: 1310-73-2 EC: 215-185-5 TARIC code: 28151200 UN: 1824 IMDG: 8 II UN 1824 ADR: 8 II UN 1824 (E) IATA: 8 II UN 1824

**NaOH**

| SODIUM HYDROXIDE 32% W/V AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay (W/V) ~32%<br>Composition 432g NaOH/ l<br>N < 0.0001%<br>$Na_2CO_3$ < 0.5%<br>$Cl^-$ < 0.001%<br>S < 0.0001%<br>CN < 0.0001% | $SiO_2$ < 0.01%<br>$SO_4$ < 0.005%<br>Fe < 0.0005%<br>Heavy metals (Pb) < 0.0002%<br>Al < 0.0005% | SOHY-32A-5K0 | P | 5 L | |
| SODIUM HYDROXIDE 40% W/W AGR | BASICKEM | reference | packaging | | price |
| App. Colourless liquid<br>Assay 39 - 41%<br>Density (20 °C/4 °C) Approx. - 1.43g/cm<br>$Cl^-$ < 0.005%<br>$SO_4$ < 0.01% | $Na_2CO_3$ < 0.1%<br>Fe < 0.0005%<br>Pb < 0.001% | SOHY-40A-5K0 | P | 5 L | |
| | | SOHY-40A-10K | P | 10 L | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## SODIUM HYDROXIDE, VOLUMETRIC SOLUTIONS

M.W.: 40,00 CAS: 1310-73-2 EC: 215-185-5 EC INDEX: 011-002-00-6 TARIC code: 28151200 **NaOH**

labkem

| SODIUM HYDROXIDE, VOLUMETRIC SOLUTION 0.1 M (0.1 N) VSA | BASICKEM | reference | packaging | price |
|---|---|---|---|---|
| Concentration (M) 0.0999 - 0.1001M<br>Concentration (N) 0.0999 - 0.1001N<br>Tolerance (M) 0.0001M<br>Tolerance (N) 0.0001N | | SOHY-01V-1K0 | 1 L | |
| SODIUM HYDROXIDE, VOLUMETRIC SOLUTION 0.5 M (0.5 N) VSA | BASICKEM | reference | packaging | price |
| Concentration (M) 0.4995 - 0.5005M<br>Concentration (N) 0.4995 - 0.5005N<br>Tolerance (M) 0.0005M<br>Tolerance (N) 0.0005N | | SOHY-05V-1K0 | 1 L | |
| SODIUM HYDROXIDE, VOLUMETRIC SOLUTION 1.0 M (1.0 N) VSA | BASICKEM | reference | packaging | price |
| Concentration (M) 0.999 - 1.001M<br>Concentration (N) 0.999 - 1.001N<br>Tolerance (M) 0.001M<br>Tolerance (N) 0.001N | | SOHY-1V0-1K0 | 1 L | |
| SODIUM HYDROXIDE, VOLUMETRIC SOLUTION 2.0 M (2.0 N) VSA | BASICKEM | reference | packaging | price |
| Concentration (M) 1.998 - 2.002M<br>Concentration (N) 1.998 - 2.002N<br>Tolerance (M) 0.002M<br>Tolerance (N) 0.002N | | SOHY-2V0-1K0 | 1 L | |
| | | SOHY-2V0-5K0 | 5 L | |
| SODIUM HYDROXIDE, VOLUMETRIC SOLUTION 5.0 M (5.0 N) VSA | BASICKEM | reference | packaging | price |
| Concentration (M) 4.995 - 5.005M<br>Concentration (N) 4.995 - 5.005N<br>Tolerance (M) 0.005M<br>Tolerance (N) 0.005N | | SOHY-5V0-1K0 | 1 L | |
| SODIUM HYDROXIDE, CONCENTRATED TO PREPARE 1 L OF SOLUTION 0.1 M (0.1 N) VSA | BASICKEM | reference | packaging | price |
| Conc. after dil. to 1L (20°C) (M) 0.0998 - 0.1002M<br>Conc. after dil. to 1L (20°C) (N) 0.0998 - 0.1002N | | SOHY-01C-1K0 | 1 amp. | |
| SODIUM HYDROXIDE, CONCENTRATED TO PREPARE 1 L OF SOLUTION 1 M (1 N) VSA | BASICKEM | reference | packaging | price |
| Conc. after dil. to 1L (20°C) (M) 0.998 - 1.002M<br>Conc. after dil. to 1L (20°C) (N) 0.998 - 1.002N | | SOHY-1C0-1K0 | 1 amp. | |

## SODIUM IODIDE

M.W.: 149,89 CAS: 7681-82-5 EC: 231-679-3 TARIC code: 28151100 UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077 **NaI**

labkem

| SODIUM IODIDE AGR ACS | | | BASICKEM | reference | packaging | price |
|---|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay > 99.5%<br>Insol. matter < 0.01%<br>pH (5%) 6-9<br>$Cl^-$ and $Br^-$ (Cl) < 0.01%<br>$SO_4$ < 0.005% | $IO_3$ < 0.0003%<br>Heavy metals (Pb) < 0.0005%<br>Ba <0.002%<br>Fe < 0.0005 %<br>Ca < 0.002%<br>Mg < 0.001% | K < 0.01%<br>$PO_4$ < 0.001%<br>Loss on dry. (105 °C) < 0.5% | | SOIO-00A-100 | 100 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## SODIUM METABISULFITE

labkem

M.W.: 190.11 CAS: 7681-57-4 EC: 231-673-0 EC INDEX: 016-063-00-2 TARIC code: 28321000

$Na_2S_2O_5$



| SODIUM METABISULFITE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay > 97%<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.005%<br>As < 0.0001% | $PO_4$ < 0.002%<br>$S_2O_3$ < 0.05%<br>Heavy metals (Pb) < 0.001%<br>Fe < 0.002% | SOMB-00A-1K0 | P | 1 kg | |

## SODIUM MOLYBDATE DIHYDRATE

labkem

M.W.: 241,95 CAS: 10102-40-6 EC: 231-551-7 TARIC code: 28417000

$Na_2MoO_4 \cdot 2H_2O$

| SODIUM MOLYBDATE DIHYDRATE AGR ACS | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay 99 - 102%<br>Insol. matter < 0.005%<br>pH (5% solution) 7.0 - 10.5<br>$Cl^-$ < 0.001%<br>$NO_3$ < 0.005%<br>$PO_4$ < 0.001% | $SO_4$ < 0.02%<br>$NH_4$ < 0.01%<br>Cu < 0.002%<br>Fe < 0.001 %<br>Pb < 0.001% | SOMO-02A-100 | P | 100 g | |

## SODIUM NITRATE

Restriction: Explosives precursor

labkem

M.W.: 84,99 CAS: 7631-99-4 EC: 231-554-3 TARIC code: 31025000 UN: 1498 IMDG: 5.1 III UN 1498 ADR: 5.1 III UN 1498 IATA: 5.1 III UN 1498

$NaNO_3$



| SODIUM NITRATE 99% EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.5%<br>Insol. matter < 0.01%<br>$H_2O$ < 1.0%<br>$NO_2$ < 0.0005%<br>$Cl^-$ < 0.005%<br>$ClO_3^-$ and $ClO_4^-$ (Cl) < 0.006%<br>$PO_4$ < 0.001% | $SO_4$ < 0.02%<br>Heavy metals (Pb) < 0.001%<br>Ca < 0.004%<br>Fe < 0.002%<br>Mg < 0.003% | SONA-00T-500 | P | 500 g | |

| SODIUM NITRATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.5%<br>App. white powder<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.0005%<br>pH (5%, 20°C) 5 - 7.5<br>$H_2O$ < 1% | $PO_4$ < 0.0002%<br>$ClO_3^-$ and $ClO_4^-$ (Cl) < 0.003%<br>$SO_4$ < 0.003%<br>Fe < 0.0002%<br>Heavy metals (Pb) < 0.0005%<br>$NH_4$ salts < 0.002% | Ca < 0.002%<br>Mg < 0.001%<br>K < 0.005%<br>$NO_2$ < 0.0002% | SONA-00A-500 | P | 500 g | |

## SODIUM NITRITE

labkem

M.W.: 69,00 CAS: 7632-00-0 EC: 231-555-9 TARIC code: 28341000 UN: 1500 IMDG: 5.1 (6.1) III UN 1500 ADR: 5.1 (6.1) III UN 1500 IATA: 5.1 (6.1) III UN 1500

$NaNO_2$



| SODIUM NITRITE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 98%<br>Substances insoluble in water ($H_2O$) < 0.005%<br>Chloride ($Cl^-$) < 0.01%<br>Iron (Fe) < 0.001% | Heavy metals (Pb) < 0.0005%<br>Sulfates ($SO_4$) < 0.015%<br>Potassium (K) < 0.005% | SONI-00A-500 | P | 500 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## SODIUM OXALATE

labkem

M.W.: 134,00 CAS: 62-76-0 EC: 200-550-3 EC INDEX: 607-007-00-3 TARIC code: 29171100

$Na_2C_2O_4$

| SODIUM OXALATE AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay > 99.8%<br>pH (3%) 7.5 - 8.5<br>$Cl^-$ < 0.002%<br>$SO_4$ < 0.002%<br>Total N < 0.001% | Heavy metals (Pb) < 0.001%<br>Fe < 0.0005%<br>K < 0.005%<br>Loss on dry. (105 °C) < 1% | | SOOX-00A-500 | P | 500 g | |

## SODIUM SULFATE ANHYDROUS

M.W.: 142,04 CAS: 7757-82-6 EC: 231-820-9 TARIC code: 28331100

$Na_2SO_4$

| SODIUM SULFATE ANHYDROUS EPR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay 99-100.5%<br>Identity Passes test<br>Appearance of solution Passes test<br>Acidity or alkalinity Passes test | pH (5%) 5.2 - 8.0<br>$Cl^-$ < 0.02%<br>Heavy metals (Pb) < 0.001%<br>As < 0.0003%<br>Ca < 0.005% | Fe < 0.001%<br>Mg < 0.001%<br>Loss on drying (130ºC)< 0.5% | | SOSU-00T-500 | P | 500 g | |
| | | | | SOSU-00T-1K0 | P | 1 kg | |

| SODIUM SULFATE ANHYDROUS AGR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. White crystalline powder<br>Assay > 99%<br>Insol. matter < 0.01%<br>pH (5%, 25°C) 5.2 - 9.2<br>$Cl^-$ < 0.001% | $PO_4$ < 0.001%<br>Total N < 0.0005%<br>Heavy metals (by ICP-OES) < 0.0005%<br>Fe < 0.001%<br>Ca < 0.01% | K < 0.01%<br>Mg < 0.005%<br>Loss on ignition (800ºC) < 0.5% | | SOSU-AGA-500 | P | 500 g | |
| | | | | SOSU-AGA-1K0 | P | 1 kg | |
| | | | | SOSU-AGA-5K0 | P | 5 kg | |

## SODIUM SULFITE ANHYDROUS

labkem

M.W.: 126,04 CAS: 7757-83-7 EC: 231-821-4 TARIC code: 28321000

$Na_2SO_3$

| SODIUM SULFITE ANHYDROUS AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Appearance Colourless clear crystals or white powder<br>Assay > 96.0%<br>Substances insoluble in water <0.01%<br>Chlorides (Cl) < 0.01%<br>Thiosulphates (S2O3) < 0.04%<br>Carbonates (as Na2CO3) < 0.15%<br>As (Arsenic) < 0.00004% | Ca (Calcium) < 0.005%<br>Cu (Copper) < 0.0005%<br>Fe (Iron) < 0.001%<br>Pb (Lead) < 0.0005%<br>Zn (Zinc) < 0.0005% | | SOSL-00A-500 | P | 500 g | |

## DI-SODIUM TETRABORATE DECAHYDRATE

labkem

M.W.: 381.37 CAS: 1303-96-4 EC: 215-540-4 EC INDEX: 005-011-01-1 TARIC code: 28401990

$Na_2B_4O_7.10H_2O$

| DI-SODIUM TETRABORATE DECAHYDRATE (BORAX) AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Colourless crystals/ white powder<br>Assay 99.5 - 100.5%<br>insol. in water < 0.005%<br>pH (25°C) 9.15 - 9.20<br>$Cl^-$ < 0.001%<br>$PO_4$ < 0.001% | $SO_4$ < 0.005%<br>Heavy metals (Pb) < 0.001%<br>Fe < 0.0005%<br>Ca < 0.005% | | BORX-00A-500 | P | 500 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## SODIUM THIOSULFATE PENTAHYDRATE

labkem

M.W.: 248,21 CAS: 10102-17-7 EC: 231-867-5 TARIC code: 28323000

$Na_2S_2O_3 \cdot 5H_2O$

| SODIUM THIOSULFATE PENTAHYDRATE EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Large,colourless crystals or coarse crystalline powder<br>Assay 99 - 100.5%<br>Identity Passes test<br>App. of solution Dissolve 10.0 g in 50 ml of distilled water R, add 1 ml of 0.1 M sodium hydroxide and dilute to 100 ml with the same solvent. Clear & colourless<br>pH (10% solution in water) 6.0 - 8.4 | $Cl^-$ <0.05%<br>Sulphate and Sulphite < 0.2%<br>Sulphide (S) Passes test<br>Heavy metals (Pb) < 0.001%<br>Ca Passes test<br>Water 32 - 37% | SOTH-05T-500 | P | 500 g | |
| | | SOTH-05T-1K0 | P | 1 kg | |

| SODIUM THIOSULFATE PENTAHYDRATE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Large, Colourless cryst. or coarse crystalline powder<br>Assay 99.5 - 101%<br>Insol. matter (10% in water) < 0.005%<br>pH (5% in water) 6.0 - 8.4<br>N Comp. (N) < 0.002% | $Cl^-$ < 0.02%<br>Heavy metal (as Pb) < 0.001%<br>Sulphate and Sulphite < 0.1%<br>Sulphide Passes test | SOTH-05A-500 | P | 500 g | |
| | | SOTH-05A-1K0 | P | 1 kg | |

## SODIUM THIOSULFATE, VOLUMETRIC SOLUTIONS

labkem

M.W.: 158,11 CAS: 10102-17-7 EC: 231-867-5 TARIC code: 28323000

$Na_2S_2O_3$

| SODIUM THIOSULFATE, VOLUMETRIC SOLUTION 0.1 M (0.1 N) VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Concentration (M) 0.0999 - 0.1001M<br>Concentration (N) 0.0999 - 0.1001N<br>Tolerance (M) 0.0001M<br>Tolerance (N) 0.0001N | | SOTH-01V-1K0 | P GL45 | 1 L | |

| SODIUM THIOSULFATE TO PREPARE 1 L OF SOLUTION 0.1 M (0.1 N) VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Conc. after dil. to 1L (20°C) (M) 0.0998 - 0.1002M<br>Conc. after dil. to 1L (20°C) (M) 0.0998 - 0.1002N | | SOTH-01C-1K0 | P | 1 amp. | |

## SODIUM TRISILICATE, SOLUTION

labkem

CAS: 1344-09-8 EC: 215-687-4 TARIC code: 28391900

$Na_2O \cdot n\ SiO_2 \cdot nH_2O$

| SODIUM TRISILICATE, SOLUTION GLR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Colourless-grey liquid<br>M. module $SiO_2/Na_2O$ 2.4 - 2.6<br>$SiO_2$ and $Na_2O$ > 39%<br>Density at 20°C 1.45 - 1.48g/ml<br>$Fe_2O_3$ < 0.01% | CaO < 0.1%<br>Viscosity (20°C) > 100cP<br>Insol. in water, filt. glass < 0.02%<br>Insol. in water, sediment. glass < 0.1% | SOTS-00P-1K0 | P | 1 L | |

**STAINS AND DYES FOR HISTOLOGY/PATHOLOGY** *SEE P. 59*

## STARCH

labkem

M.W.: (162,1)n CAS: 9005-84-9 EC: 232-686-4 TARIC code: 35051090

$(C_6H_{10}O_5)_n$

| STARCH AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. White soft powder<br>Residue on ignition < 0.4%<br>pH (2% w/v solution in water; 25ºC) 5.0-7.0 | Solubility in water Passes test<br>Suitability Passes test for sensitivity as indicator | STAR-00A-500 | P | 500 g | |

## D(+)-SUCROSE

M.W.: 342.29 CAS: 57-50-1 EC: 200-334-9 TARIC code: 17019910

$C_{12}H_{22}O_{11}$

| D(+)-SUCROSE AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.8%<br>Insol. matter < 0.003%<br>Res. on ignition < 0.01%<br>$Cl^-$ < 0.001% | $SO_4$ < 0.005%<br>Inv. sugr < 0.1% | SUCR-00A-500 | P | 500 g | |
| | | SUCR-00A-1K0 | P | 1 kg | |
| | | SUCR-00A-5K0 | P | 5 kg | |

## SULFAMIC ACID

labkem

M.W.: 97,09 CAS: 5329-14-6 EC: 226-218-8 EC INDEX: 016-026-00-0 TARIC code: 28111980
UN: 2967 IMDG: 8 III UN 2967 ADR: 8 III UN 2967 (E) IATA: 8 III UN 2967

$H_3NO_3S$

| SULFAMIC ACID AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay 99.3 - 100.3%<br>Insol. matter < 0.01%<br>Res. on ignition < 0.01%<br>$Cl^-$ < 0.001%<br>Ni < 0.001%<br>Fe < 0.0005% | Heavy metals (Pb) < 0.001%<br>Cu < 0.001%<br>$SO_4$ < 0.05%<br>Pb < 0.001% | SLAC-00A-250 | P | 250 g | |
| | | SLAC-00A-500 | P | 500 g | |

## SULFUR POWDER

labkem

M.W.: 32,06 CAS: 7704-34-9 EC: 231-722-6 TARIC code: 28020000 UN: 1350 IMDG: 4.1 III
UN 1350 ADR: 4.1 III UN 1350 (E) IATA: 4.1 III UN 1350

S

| SULFUR POWDER AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.9%<br>App. Fine yellow powder<br>Acids ($H_2SO_4$) < 0.005%<br>Organic comp. < 0.015%<br>Ash < 0.02% | Water < 0.1%<br>Solub. in NaOH Passes test<br>As < 0.00001% | SUPW-00A-500 | P | 500 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## SULFURIC ACID

Restriction: Drugs precursor Cat. 3 + Explosives labkem

M.W.: 98.08 CAS: 7664-93-9 EC: 231-639-5 TARIC code: 28070000 UN: 1830 IMDG: 8 II UN 1830 ADR: 8 II UN 1830 (E) IATA: 8 II UN 1830

$H_2SO_4$

### SULFURIC ACID 25% AGR — BASICKEM

Assay > 25%
Density at 20°C 1.176 - 1.180g/ml
Res. on ignition < 0.001%
$NO_3$ < 0.0005%
$Cl^-$ < 0.0001%
$NH_4$ < 0.0003%
Heavy metals (Pb) < 0.0002%
Fe < 0.0001%

| reference | packaging | | price |
|---|---|---|---|
| SUAC-25A-1K0 | G PP48 | 1 L | |

### SULFURIC ACID 91% FOR GERBER METHOD AGR — BASICKEM

Assay > 91%
Subst. red. $KMnO_4$ < 0.0003%
Se < 0.0003%
$Cl^-$ < 0.0001%
$NO_3$ < 0.001%
$NH_4$ < 0.0003%
Res. on ignition < 0.001%
Fe < 0.0001%
Heavy metals (Pb) < 0.0002%
As < 0.000005%

| reference | packaging | | price |
|---|---|---|---|
| SUAC-90A-1K0 | G PP48 | 1 L | |
| SUAC-90A-5K0 | P | 5 L | |

### SULFURIC ACID 95% (NITROGEN-FREE) AGR — BASICKEM

Assay > 95%
Density at 20°C approx 1.83g/ml
Residue on roasting < 0.001%
Substances reducing $KMnO_4$ < 0.0003%
Total Nitrogen Not detected
$Cl^-$ < 0.0001%
Heavy metals (Pb) < 0.0002%
Al < 0.0001%
As < 0.000005%
Ba < 0.00005%
Ca < 0.00005%
Cd < 0.00005%
Co < 0.00005%
Cr < 0.00005%
Cu < 0.00005%
Fe < 0.0001%
Mg < 0.00005%
Mn < 0.00005%
Ni < 0.00005%
Pb < 0.0002%
Se < 0.0003%
Sr < 0.00005%
Zn < 0.00005%

| reference | packaging | | price |
|---|---|---|---|
| SUAC-95N-1K0 | G PP48 | 1 L | |

### SULFURIC ACID 95-98% EPR — BASICKEM

Assay > 95%
Subst. red. $KMnO_4$ < 0.001%
$NO_3$ < 0.002%
$Cl^-$ < 0.0005%
$NH_4$ < 0.001%
Res. on ignition < 0.005%
Density at 20°C 1.832g/ml
Fe < 0.0005%
Heavy metals (Pb) < 0.0005%
As < 0.00001%

| reference | packaging | | price |
|---|---|---|---|
| SUAC-00T-1K0 | G PP48 | 1 L | |
| SUAC-00T-2K5 | P | 2,5 L | |
| SUAC-00T-5K0 | P | 5 L | |

### SULFURIC ACID 95-98% AGR — BASICKEM

Appearance Colourless, clear, oily liquid
Assay > 95%
Density at 20°C >1.832g/ml
Substances reducing $KMnO_4$ < 0.0003%
$NO_3$ < 0.001%
$Cl^-$ < 0.0001%
Heavy metals (Pb) < 0.0002%
Al < 0.0001%
As < 0.000005%
Ba < 0.00005%
Ca < 0.00005%
Cd < 0.00005%
Cr < 0.00005%
Fe < 0.0001%
Mg < 0.0002%
Mn < 0.00005%
Ni < 0.00005%
Se < 0.0005%
Zn < 0.00005%

| reference | packaging | | price |
|---|---|---|---|
| SUAC-95A-1K0 | G PP48 | 1 L | |
| SUAC-95A-2K5 | P | 2,5 L | |

### SULFURIC ACID 95-97% AGR, ISO, ACS — BASICKEM

Assay 95 - 97%
Assay 95 - 97
Res. on ignition < 0.0005%
$Cl^-$ < 0.000005%
$NO_3$ < 0.00002%
$NH_4$ < 0.0001%
Subst. red. $KMnO_4$ < 0.0002%
As < 0.000003%
Se < 0.0003%
Cd < 0.00001%
Cu < 0.00001%
Fe < 0.00002%
Pb < 0.00001%
Zn < 0.00001%

| reference | packaging | | price |
|---|---|---|---|
| SUAC-6IA-1K0 | P STD | 1 L | |
| SUAC-6IA-2K5 | P STD | 2,5 L | |
| SUAC-6IA-P04 | P STD | 4 x 2,5 L | |

### SULFURIC ACID 98% AGR — BASICKEM

Assay > 98%
Density at 20°C approx 1.836g/ml
Res. on roast. < 0.001%
Subst. red. $KMnO_4$ < 0.0003%
$Cl^-$ < 0.0001%
$NH_4$ < 0.0003%
$NO_3$ < 0.001%
Heavy metals (Pb) < 0.0002%
Al < 0.0001%
As < 0.000005%
Ba < 0.00005%
Ca < 0.00005%
Cd < 0.00005%
Cr < 0.00005%
Fe < 0.0001%
Mg < 0.0002%
Mn < 0.00005%
Ni < 0.00005%
Pb < 0.0002%
Zn < 0.00005%

| reference | packaging | | price |
|---|---|---|---|
| SUAC-00A-1K0 | G PP48 | 1 L | |

## SULFURIC ACID, VOLUMETRIC SOLUTIONS

Restriction: Drugs precursor Cat. 3 + Explosives

M.W.: 98.08 CAS: 7664-93-9 EC: 231-639-5 TARIC code: 28070000

$H_2SO_4$

| SULFURIC ACID, VOLUMETRIC SOLUTION 0.05 M (0.1 N) VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Concentration (M) 0.04995 - 0.05005M<br>Concentration (N) 0.0999 - 0.1001N<br>Tolerance (M) 0.00005M<br>Tolerance (N) 0.0001N | | SUAC-01V-1K0 | P | 1 L | |
| SULFURIC ACID, VOLUMETRIC SOLUTION 0.5 M (1.0 N) VSA | BASICKEM | reference | packaging | | price |
| Concentration (M) 0.4995 - 0.5005M<br>Concentration (N) 0.999 - 1.001N<br>Tolerance (M) 0.0005M<br>Tolerance (N) 0.001N | | SUAC-1V0-1K0 | P | 1 L | |
| SULFURIC ACID, VOLUMETRIC SOLUTION 1.0 M (2.0 N) VSA | BASICKEM | reference | packaging | | price |
| Concentration (M) 0.999 - 1.001M<br>Concentration (N) 1.998 - 2.002N<br>Tolerance (M) 0.001M<br>Tolerance (N) 0.002N | | SUAC-2V0-1K0 | P | 1 L | |

## SULFURIC ACID, CONCENTRATED VOLUMETRIC SOLUTIONS

Restriction: Drugs precursor Cat. 3 + Explosives

M.W.: 98.08 CAS: 7664-93-9 EC: 231-639-5 TARIC code: 28070000 UN: 2796 IMDG: 8 II UN 2796 ADR: 8 II UN 2796 (E) IATA: 8 II UN 2796

$H_2SO_4$

| SULFURIC ACID, CONCENTRATED TO PREPARE 1 L OF SOLUTION 0.5 M (1 N) VSA | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Conc. after dil. to 1L (20°C) (M) 0.499 - 0.501M<br>Conc. after dil. to 1L (20°C) (N) 0.998 - 1.002N | | SUAC-1C0-1K0 | P | 1 amp. | |

## SUPPLEMENTS FOR CULTURE MEDIA *SEE P. 58*

## L(+)-TARTARIC ACID

M.W.: 150,08 CAS: 87-69-4 EC: 201-766-0 TARIC code: 29181200

$C_4H_6O_6$

| L(+)-TARTARIC ACID AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.5%<br>Ash ($SO_4$) < 0.02%<br>Insol. matter < 0.005%<br>$SO_4$ < 0.01%<br>Fe < 0.0005%<br>Heavy metals (Pb) < 0.0005%<br>Pb < 0.0005% | | TRAC-L0A-500 | P | 500 g | |

## TETRACHLOROETHYLENE

M.W.: 165,83 CAS: 127-18-4 EC: 204-825-9 EC INDEX: 602-028-00-4 TARIC code: 29032300 UN: 1897 IMDG: 6.1 III UN 1897 ADR: 6.1 III UN 1897 IATA: 6.1 III UN 1897

$C_2Cl_4$

| TETRACHLOROETHYLENE 99.9% GLR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Clear liquid, without matter in suspension<br>Colour (APHA) < 15<br>$H_2O$ < 30 ppm<br>Assay > 99.9% | | TTCE-G0P-1K0 | G | 1 L | |
| | | TTCE-P0P-5K0 | P | 5 L | |
| | | TTCE-M0P-25K | M | 25 L | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## TETRAHYDROFURAN

labkem

M.W.: 72.11 CAS: 109-99-9 EC: 203-726-8 EC INDEX: 603-025-00-0 TARIC code: 29321100
UN: 2056 IMDG: 3 II UN 2056 ADR: 3 II UN 2056 IATA: 3 II UN 2056

$C_4H_8O$



| TETRAHYDROFURAN HPLC GGR — INSTRUKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.8%<br>Water (KF) < 0.02%<br>Acidity < 0.0005meq/g<br>Res. on evap. < 0.0005%<br>UV-Tr. (1cm;Wat.) 240 nm > 70% | UV-Tr. (1cm;Wat.) 250 nm > 80%<br>UV-Tr. (1cm;Wat.) 260 nm > 90%<br>UV-Tr. (1cm;Wat.) 270 nm > 98%<br>UV-Tr. (1cm;Wat.) 280 nm > 99% | TETR-0GH-2K5 | G GL45 | 2,5 L | |
| | | TETR-0GH-P04 | G GL45 | 4 x 2,5 L | |

## TIN (II) CHLORIDE DIHYDRATE

labkem

M.W.: 225,63 CAS: 10025-69-1 EC: 231-868-0 TARIC code: 28273910 UN: 3260 IMDG: 8 II
UN 3260 ADR: 8 II UN 3260 (E) IATA: 8 II UN 3260

$SnCl_2 \cdot 2H_2O$



| TIN (II) CHLORIDE DIHYDRATE AGR — BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Colourless crystals<br>Assay > 99%<br>Insoluble in HCl < 0.05%<br>Na+K+Ca < 0.02%<br>Fe < 0.002% | As < 0.00005%<br>Heavy met. < 0.01%<br>$SO_4$ < 0.0025% | TICH-02A-100 | P | 100 g | |

## TIN, GRANULATED

labkem

M.W.: 118,71 CAS: 7440-31-5 EC: 231-141-8 TARIC code: 80070080

**Sn**

| TIN, GRANULATED AGR — BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99%<br>As < 0.04%<br>Cu < 0.02%<br>Fe < 0.01% | Pb < 0.05%<br>Sb < 0.04% | TIMT-G0A-250 | P | 250 g | |

## TOLUENE

Restriction: Drugs precursor Cat. 3 + Hydrocarbons

M.W.: 92.14 CAS: 108-88-3 EC: 203-625-9 EC INDEX: 601-021-00-3 TARIC code: 29023000
UN: 1294 IMDG: 3 II UN 1294 ADR: 3 II UN 1294 (D/E) IATA: 3 II UN 1294

$C_6H_5CH_3$



| TOLUENE GLR — BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 99.8%<br>App. Clear liquid<br>Colour (Hazen) < 20<br>Non-arom. Hydrocarb. < 0.2%<br>Benzene < 0.02%<br>Acidity < 0.001% | S comp.($SH_2$, $SO_2$) Not det.<br>Density at 15 °C 0.869 - 0.873g/ml<br>Boiling range 110.5 - 110.7°C<br>Acid Wash Test < 1 | TOLN-G0P-1K0 | G PP28 | 1 L | |
| | | TOLN-M0P-5K0 | M | 5 L | |
| | | TOLN-M0P-25K | M | 25 L | |

| TOLUENE AGR ACS, ISO, PH. EUR. — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99.5%<br>Non-Vol. Mat. < 0.001%<br>$H_2O$ < 0.02%<br>Colour < 10Apha<br>Free Acid < 0.001%<br>Free Alkalinity < 0.001%<br>Al < 0.00005%<br>B < 0.000001%<br>Ba < 0.00001%<br>Ca < 0.00005% | Cd < 0.000005%<br>Co < 0.000002%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>Fe < 0.00001%<br>Mg < 0.00001%<br>Mn < 0.000002%<br>Ni < 0.000002%<br>Pb < 0.00001%<br>Sn < 0.00001% | Zn < 0.00001%<br>S < 0.003%<br>Thiophene < 0.0001%<br>Density 0.865 - 0.869g/ml<br>Res. on evap. < 0.001%<br>R.C.S.<br>Subs. dark. by $H_2SO_4$ | TOLN-00A-1K0 | G GL45 | 1 L | |
| | | | TOLN-00A-2K5 | G GL45 | 2,5 L | |
| | | | TOLN-00A-P04 | G GL45 | 4 x 2,5 L | |

| TOLUENE HPLC GGR — INSTRUKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay >99,8 %<br>Water (KF) < 0.02%<br>S compounds < 0.003%<br>Res. on evap. < 0.0005%<br>UV-Tr. (1cm;Wat.) 290 nm > 50%<br>UV-Tr. (1cm;Wat.) 300 nm > 80% | UV-Tr. (1cm;Wat.) 310 nm > 90%<br>UV-Tr. (1cm;Wat.) 330 nm > 97%<br>UV-Tr. (1cm;Wat.) 350 nm > 98%<br>UV Cutoff <286 nm<br>Color( APHA) <10 Substances darkened by sulfuric acid | TOLN-0GH-2K5 | G GL45 | 2,5 L | |
| | | TOLN-0GH-P04 | G GL45 | 4 x 2,5 L | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## TRICHLOROACETIC ACID 99%

labkem

M.W.: 163,39 CAS: 76-03-9 EC: 200-927-2 EC INDEX: 607-004-00-7 TARIC code: 29154000
UN: 1839 IMDG: 8 II UN 1839 ADR: 8 II UN 1839 (E) IATA: 8 II UN 1839

$CCl_3COOH$

| TRICHLOROACETIC ACID 99% AGR ACS | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. Colourless deliquescent crystals with a pungent odour<br>Assay > 99%<br>Clarity of solution Passes test<br>Melting point > 56°C | Insol. matter < 0.005%<br>Heavy met. (Pb) < 0.002%<br>$Cl^-$ < 0.002%<br>$NO_3$ < 0.002%<br>$PO_4$ < 0.0005% | $SO_4$ < 0.02%<br>Res. on ignition < 0.02%<br>Fe < 0.001%<br>Subs. dark. by $H_2SO_4$ Passes test | | TRCH-00A-500 | G | 500 g | |

## TRIETHYLAMINE

labkem

M.W.: 101,19 CAS: 121-44-8 EC: 204-469-4 EC INDEX: 612-004-00-5 TARIC code: 29211999
UN: 1296 IMDG: 3 (8) II UN 1296 ADR: 3 (8) II UN 1296 (D/E) IATA: 3 (8) II UN 1296

$(C_2H_5)_3N$

| TRIETHYLAMINE 99.5% AGR | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 99.5%<br>Colour (Hazen) < 15APHA<br>$H_2O$ < 0.1%<br>Non-volatile matter < 0.01%<br>Al < 0.000005%<br>Ba < 0.000002%<br>Cd < 0.000002%<br>Ca < 0.00005% | Cr < 0.000002%<br>Co < 0.000002%<br>Cu < 0.000002%<br>Fe < 0.00002%<br>Pb < 0.000002%<br>Mg < 0.000002%<br>Mn < 0.0000002%<br>Ni < 0.000002% | K < 0.000005%<br>Na < 0.00005%<br>Sr < 0.000002%<br>Zn < 0.00001%<br>UV Absorbance Passes test<br>Density at 20°C 0.725g/ml | | TRIE-00A-500 | G GLASS | 500 ml | |

## UREA

M.W.: 60,06 CAS: 57-13-6 EC: 200-315-5 TARIC code: 31021019

$CH_4N_2O$

| UREA EPR PH.EUR. | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay (HPLC) 98.0 - 102.0%<br>Ind. impurities < 0.1%<br>Total Imp.< 0.2%<br>Assay 98.5 - 101.5%<br>Melt. range 132.0 - 135.0°C<br>Insol. (EtOH) < 0.04% | | Ash ($SO_4$) < 0.1%<br>Loss on dry. (105 °C) < 1.0%<br>$NH_4$ < 0.05%<br>Biuret < 0.1% | | UREA-00P-500 | P | 500 g | |
| | | | | UREA-00P-1K0 | P | 1 kg | |
| UREA AGR ACS, BP, USP | | | BASICKEM | reference | packaging | | price |
| App. White granules/crystal. powder<br>Assay > 99%<br>Melt. range 131 - 134°C<br>Solub. in $H_2O$ < 0.003%<br>Acidity < 0.05ml N% | Alkalinity < 0.05ml N%<br>Ash ($SO_4$) < 0.005%<br>$Cl^-$ < 0.0005%<br>$SO_4$ < 0.001%<br>Cu < 0.0001% | Fe < 0.0001%<br>Pb < 0.0002%<br>Biuret < 0.1% | | UREA-00A-500 | P | 500 g | |

## VANILLIN

labkem

M.W.: 152,15 CAS: 121-33-5 EC: 204-465-2 TARIC code: 29124100

$C_8H_8O_3$

| VANILLIN 99.9% AGR | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. White or slightly yellow powder or crystalline needles; odour, characteristic of vanilla<br>Assay > 99.9%<br>Melt. range 81 - 83°C | Alcohol Insol. matter < 0.01%<br>Ash ($SO_4$) < 0.01% | | VANI-00A-100 | P | 100 g | |

## VASELINE, LIQUID

labkem

CAS: 8042-47-5 EC: 232-455-8 TARIC code: 27121090

| VASELINE, LIQUID AUX PH.EUR. | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Colourless, transparent, oily / liquid, free from fluorescence in daylight<br>Identification Conforms<br>Acid. or alk. Passes test<br>Rel. dens. 0.827 - 0.89g/ml | Viscosity 11.0 - 23.0mPa-s<br>PAH Passes test<br>Readily carbonis. subs. Passes test<br>Solid paraffins Passes test | | VALI-P0P-1K0 | P | 1 L | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## WATER

M.W.: 18.02 CAS: 7732-18-5 EC: 231-791-2 TARIC code: 28539010 $H_2O$

### WATER EPR PH.EUR. — BASICKEM

PH 5 - 6.5
Conductivity at 20 °C < 3.5µS/cm*
*At the bottling time
Micr. contam. (TAMC) < 100CFU/ml
Heavy metals (Pb) < 0.00001%
$NO_3$ < 0.00002%
Oxidisable subs. Passes test
TOC < 0.00001%
Acid. or alk. Passes test
$Cl^-$ Passes test
$SO_4$ Passes test
$NH_4$ < 0.00002%
Ca + Mg Passes test
Res. on evap. < 0.001%

| reference | packaging | price |
|---|---|---|
| WATR-00P-5K0 | 5 L | |
| WATR-00P-20K | 20 L | |
| WATR-00P-25K | 25 L | |

### WATER ULTRAPURE AGR — BASICKEM

H2O-LF < 1µS/cm*
*At the bottling time
UV filtrated 0.4µm
Non-Vol. Mat. < 0.0001%
$Cl^-$ < 0.000005%
F < 0.000005%
$NO_3$ < 0.000001%
$PO_4$ < 0.000001%
$SiO_2$ < 0.000001%
$SO_4$ < 0.00001%
Ag < 0.00000004%
Al < 0.0000002%
As < 0.0000002%
Au < 0.0000001%
B < 0.0000005%
Ba < 0.0000001%
Be < 0.0000002%
Bi < 0.0000001%
Ca < 0.0000005%
Cd < 0.0000001%
Co < 0.0000001%
Cr < 0.00000004%
Cu < 0.00000004%
Fe < 0.0000001%
K < 0.0000005%
Li < 0.0000002%
Mg < 0.0000005%
Mn < 0.00000004%
Mo < 0.0000002%
Na < 0.000001%
Ni < 0.00000004%
Pb < 0.0000001%
Pt < 0.0000001%
Sb < 0.0000001%
Se < 0.00000001%
Sn < 0.0000001%
Sr < 0.00000004%
Ti < 0.0000001%
V < 0.0000001%
Zn < 0.0000004%
Zr < 0.0000001%

| reference | packaging | price |
|---|---|---|
| WATR-00A-10K | 10 L | |

### WATER GC/HPLC GGR — INSTRUKEM

ACS Spec. passes test
ACS Spec. passes test
UV spectrophotometry
UV-Abs. max. lim. (190 nm) < 0.01
UV-Abs. max. lim. (190 nm) < 0.01
UV-Abs. max. lim. (200 nm) < 0.01
UV-Abs. max. lim. (200 nm) < 0.01
UV-Abs. max. lim. (250-400 nm) < 0.005
UV-Abs. max. lim. (250-400 nm) < 0.005
UV Cutoff < 190nm
UV Cutoff < 190nm
LC Grad. Suit.
Grad. Elut. test passes test
Grad. Elut. test passes test
Colour (Hazen) < 5
Colour (Hazen) < 5
Res. on evap. < 0.001%
Res. on evap. < 0.001%
Sp. Cond.(25°C) < 2µS/cm
Sp. Cond.(25°C) < 2µS/cm
T200nm > 97%
T200nm > 97%
T210nm > 98%
T210nm > 98%
T300nm > 99%
T300nm > 99%
T254nm > 99%
T254nm > 99%

| reference | packaging | price |
|---|---|---|
| WATR-00H-2K5 | 2,5 L | |
| WATR-00H-P04 | 4 x 2,5 L | |
| WATR-00H-4K0 | 4 L | |
| WATR-00H-PG4 | 4 x 4 L | |

### WATER LC/MS LGR — INSTRUKEM

App. Clear colourless liquid
Reserpine < 0.000005%
Colour (Hazen) < 10
Res. on evap. < 0.001%
LC Grad. Suit. Passes test
T190nm > 97%
T200nm > 98%
T(250nm - 400nm) > 99%
Fe < 0.000005%
Al < 0.000005%
Ca < 0.000005%
Mg < 0.000005%
Na < 0.000005%
K < 0.000005%

| reference | packaging | price |
|---|---|---|
| WATR-LCM-2K5 | 2,5 L | |
| WATR-LCM-P04 | 4 x 2,5 L | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## XYLENE (ISOMERS )

Restriction: Hydrocarbons

M.W.: 106.17 CAS: 1330-20-7 EC: 215-535-7 EC INDEX: 601-022-00-9 TARIC code: 27073000
UN: 1307 IMDG: 3 III UN 1307 ADR: 3 III UN 1307 IATA: 3 III UN 1307

$C_6H_4(CH_3)_2$

| XYLENE (ISOMERS ) GLR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Clear and colourless liquid<br>Benzene < 0.01%<br>S compounds Exempt<br>Colour (Hazen) < 20<br>Density at 15 °C 0.865 - 0.875g/ml | Ethylbenzene < 25%<br>Distillation range 137 - 143°C<br>Non-arom. Hydrocarb. < 1% | XYLN-P0P-1K0 | P CDEX | 1 L | |
| | | XYLN-G0P-1K0 | G PP26 | 1 L | |
| | | XYLN-P0P-5K0 | P CDEX | 5 L | |
| | | XYLN-M0P-25K | M | 25 L | |

| XYLENE (ISOMERS ) AGR ACS, ISO, PH.EUR. | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 99%<br>Non-Vol. Mat. < 0.001%<br>$H_2O$ < 0.01%<br>Free Acid < 0.0005%<br>Free Alkalinity < 0.0005%<br>Al < 0.00005%<br>B < 0.000002%<br>Ba < 0.00001%<br>Ca < 0.00005% | Cd < 0.000002%<br>Co < 0.000002%<br>Cr < 0.000002%<br>Cu < 0.000002%<br>Fe < 0.00001%<br>Mg < 0.00001%<br>Mn < 0.000002%<br>Ni < 0.000002%<br>Pb < 0.00001% | Sn < 0.00001%<br>Zn < 0.00001%<br>Benzene < 0.1%<br>S < 0.003%<br>Thiophene < 0.0001%<br>Toluene < 0.1% | | XYLN-G0A-1K0 | G GL45 | 1 L | |
| | | | | XYLN-G0A-2K5 | G GL45 | 2,5 L | |
| | | | | XYLN-G0A-P04 | G GL45 | 4 x 2,5 L | |

## ZINC CHLORIDE, ANHYDROUS

M.W.: 136,30 CAS: 7646-85-7 EC: 231-592-0 EC INDEX: 030-003-00-2 TARIC code: 28273985
UN: 2331 IMDG: 8 III UN 2331 ADR: 8 III UN 2331 (E) IATA: 8 III UN 2331

$ZnCl_2$

| ZINC CHLORIDE, ANHYDROUS EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 98%<br>Oxychlorides (ZnO) < 2.4%<br>Na+K+Ca < 1%<br>Fe < 0.002% | Cu < 0.002%<br>Pb < 0.002%<br>Cd < 0.001% | ZNCH-00P-500 | P | 500 g | |
| | | ZNCH-00P-1K0 | P | 1 kg | |

| ZINC CHLORIDE, ANHYDROUS AGR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay > 98%<br>Oxychlorides (ZnO) < 1.2%<br>Total N < 0.002%<br>Fe < 0.0005%<br>Ca < 0.001%<br>Cu < 0.001%<br>Mg < 0.001% | $SO_4$ < 0.002%<br>Na < 0.001%<br>K < 0.001%<br>Pb < 0.001%<br>Cd < 0.0005% | ZNCH-00A-250 | P | 250 g | |

## ZINC NITRATE HEXAHYDRATE

labkem

M.W.: 297,47 CAS: 10196-18-6 EC: 231-943-8 TARIC code: 28342980 UN: 1514 IMDG: 5.1 II
UN 1514 ADR: 5.1 II UN 1514 (E) IATA: 5.1 II UN 1514

$Zn(NO_3)_2 \cdot 6H_2O$

| ZINC NITRATE HEXAHYDRATE EPR | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay (Zn) > 98.0%<br>App. White crystals<br>Insol. matter < 0.01%<br>$Cl^-$ < 0.005%<br>Free ac. ($HNO_3$) < 0.04%<br>Fe < 0.005% | Ca < 0.02%<br>Na < 0.02%<br>$SO_4$ < 0.01%<br>K < 0.02%<br>Pb < 0.02% | ZNNA-06T-500 | P | 500 g | |

| ZINC NITRATE HEXAHYDRATE AGR ACS | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| Assay > 98%<br>Insol. matter < 0.005%<br>$Cl^-$ < 0.001%<br>Ni < 0.0005%<br>Fe < 0.0005% | Ca < 0.001%<br>Cu < 0.0005%<br>Mg < 0.001%<br>$SO_4$ < 0.005%<br>Na < 0.001% | K < 0.001%<br>Pb < 0.001%<br>Cd < 0.0005% | | ZNNA-06A-500 | P | 500 g | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## ZINC, POWDER

labkem

M.W.: 65.38 CAS: 7440-66-6 EC: 231-175-3 EC INDEX: 030-001-00-1 TARIC code: 79039000

**Zn**



UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077

| ZINC, POWDER AGR — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay > 99%<br>As < 0.00002%<br>Cd < 0.005%<br>Fe < 0.05% | Pb < 0.05%<br>Sn < 0.01%<br>$Cl^-$ < 0.005% | | ZNMT-P0A-500 | P | 500 g | |

## ZINC SHEET

labkem

M.W.: 65.38 CAS: 7440-66-6 EC: 231-175-3 EC INDEX: 030-001-00-1 TARIC code: 90230010

**Zn**

| ZINC SHEET 85 X 25 X 1 MM GLR — BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Approximated dimensions 100 x 30 x 0.8 mm | ZNMT-L01-010 | | 10 un. | |

## ZINC SULFATE HEPTAHYDRATE

labkem

M.W.: 287,54 CAS: 7446-20-0 EC: 231-793-3 EC INDEX: 030-006-00-9 TARIC code: 28332920

**$ZnSO_4 \cdot 7H_2O$**



UN: 3077 IMDG: 9 III UN 3077 ADR: 9 III UN 3077 IATA: 9 III UN 3077

| ZINC SULFATE HEPTAHYDRATE EPR — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Assay 99.0 - 100.5%<br>Insol. matter < 0.02%<br>pH (5%, 20°C) 4.4 - 5.6<br>Total N < 0.002%<br>$Cl^-$ < 0.002%<br>As < 0.0005% | Ca < 0.005%<br>Fe < 0.0005%<br>K < 0.005%<br>Pb < 0.003%<br>Na < 0.005% | | ZNSU-7EP-500 | P | 500 g | |
| | | | ZNSU-7EP-1K0 | P | 1 kg | |

| ZINC SULFATE HEPTAHYDRATE AGR — BASICKEM | | | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Colourless crystals or white powder<br>App. colourless crystal or white powder<br>Assay 99.5 - 100.5%<br>Insol. matter < 0.005%<br>pH (5%, 20°C) 4.4 - 5.6<br>$NO_3$ < 0.002%<br>$NH_4$ < 0.001% | $Cl^-$ < 0.0003%<br>As < 0.0001%<br>Ca < 0.002%<br>Cd < 0.0001%<br>Cu < 0.0005%<br>Fe < 0.0003%<br>K < 0.001% | Mg < 0.0003%<br>Mn < 0.0003%<br>Na < 0.001%<br>Pb < 0.001% | ZNSU-07A-500 | P | 500 g | |
| | | | ZNSU-07A-1K0 | P | 1 kg | |

labkem

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

# INDICATORS FOR VOLUMETRIC TITRATIONS

## BROMOCRESOL GREEN

labkem

M.W.: 698.04 CAS: 76-60-8 EC: 200-972-8 TARIC code: 29349990

$C_{21}H_{14}Br_4O_5S$

| BROMOCRESOL GREEN IND ACS | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Transition range pH 3.8 - 5.4<br>yellow to blue<br>Trans. range (ACS) Passes test<br>Sensitivity Passes test | | BRCR-G0D-005 | G | 5 g | |

## BROMOCRESOL GREEN, SOLUTION 0.04%

labkem

M.W.: 698.04 CAS: 76-60-8 EC: 200-972-8 TARIC code: 29349990

$C_{21}H_{14}Br_4O_5S$

| BROMOCRESOL GREEN, SOLUTION 0.04% IND | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Transition range pH 3.6 - 5.4<br>yellow to blue | | BRCR-GSD-100 | P | 100 ml | |

## BROMOCRESOL PURPLE

M.W.: 540.22 CAS: 115-40-2 EC: 204-087-8 TARIC code: 29349990

$C_{21}H_{16}Br_2O_5S$

| BROMOCRESOL PURPLE IND | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Grey to light purple or pink to yellow-tan powder<br>Transition range pH (5.2 - 6.8) Yellow to purple<br>App. of sol. Conforms<br>Loss on dry. (110 °C) < 1%<br>Sensitivity Passes test | | BRCR-P0D-005 | G | 5 g | |
| | | BRCR-P0D-025 | G | 25 g | |

## BROMOPHENOL BLUE

M.W.: 669.96 CAS: 115-39-9 EC: 204-086-2 TARIC code: 29349990

$C_{19}H_{10}Br_4O_5S$

| BROMOPHENOL BLUE IND ACS | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Pink-orange to red to purple powder<br>App. of sol. Passes test<br>Transition range pH 3 - 4.6 Yellow to blue<br>Trans. range acc. ACS Passes test | | BRPH-B0D-005 | G | 5 g | |
| | | BRPH-B0D-025 | P | 25 g | |

## BROMOPHENOL BLUE, SOLUTION 0.1%

labkem

M.W.: 669.96 CAS: 115-39-9 EC: 204-086-2 TARIC code: 29349990

$C_{19}H_{10}Br_4O_5S$

| BROMOPHENOL BLUE, SOLUTION 0.1% IND | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. According to Bromofenol Blue<br>Transition range pH 3 - 4.6<br>yellow to blue | | BRPH-BSD-100 | P | 100 ml | |

LIMITED SHELF-LIFE ITEM, please read the expiration information carefully on the label

Information on GRADES, FAMILIES, and PACKAGING TYPE on page 368

## BROMOTHYMOL BLUE

labkem

M.W.: 624.4 CAS: 76-59-5 EC: 200-971-2 TARIC code: 29349990

$C_{27}H_{28}Br_2O_5S$

| BROMOTHYMOL BLUE IND ACS BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Pink to purple coloured powder<br>pH transition (6.0-7.6) Yellow to Blue<br>App. of sol. Passes test<br>Loss on dry. (110 °C) < 3% | Trans. range (ACS) Passes test<br>Sensitivity Passes test | BRTH-B0D-005 | G | 5 g | |
| | | BRTH-B0D-025 | P | 25 g | |

## CONGO RED, C.I. 22120

labkem

M.W.: 696.65 CAS: 573-58-0 EC: 209-358-4 EC INDEX: 611-027-00-8 TARIC code: 32041400

$C_{32}H_{22}N_6Na_2O_6S_2$

| CONGO RED (C.I. 22120) IND PH. EUR. BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Brownish red powder<br>Transition range pH 3 - 5.2<br>blue-violet to red orange | Loss on Dry. (110°C) < 5%<br>Sensitivity | CONG-R0D-025 | P | 25 g | |

## CRESOL RED

labkem

M.W.: 382.44 CAS: 1733-12-6 EC: 217-064-2 TARIC code: 29349990

$C_{21}H_{18}O_5S$

| CRESOL RED IND BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Green to dark red or maroon powder or crystals<br>Acid. trans. range pH 0.2 - 1.8<br>red to yellow<br>Alkal. trans. range pH 7 - 8.8 | yellow to purple<br>Loss on dry. (110 °C) < 5% | CRES-R0D-025 | G | 25 g | |

## ERIOCHROME BLACK T, C.I. 14645

labkem

M.W.: 461.38 CAS: 1787-61-7 EC: 217-250-3 TARIC code: 32041200

$C_{20}H_{12}N_3NaO_7S$

| ERIOCHROME BLACK T (C.I. 14645) IND BASICKEM | reference | packaging | | price |
|---|---|---|---|---|
| Appearance > Brownish black powder<br>Suitability as indicator for metal titration Passes test<br>Absorption maximum at pH 10 605 - 625nm<br>Loss on drying < 7% | ERIO-T0D-025 | P | 25 g | |
| | ERIO-T0D-100 | P | 100 g | |

## INDIGO CARMINE, C.I. 73015

labkem

M.W.: 466,36 CAS: 860-22-0 EC: 212-728-8 TARIC code: 32041200

$C_{16}H_8N_2Na_2O_8S_2$

| INDIGO CARMINE (C.I. 73015) IND USP, NF BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| Appearance Dark blue-violet powder having a metallic luster of copper<br>Abs. max. ($H_2O$) 608 - 612nm<br>Sp. abs. ($A_1$%; 1cm; $\lambda_{max}$; 0.001% $H_2O$) 380 - 475nm | Loss on dry. (110 °C) < 10%<br>Suit. for microscopy Passes test | INCA-00D-025 | G | 25 g | |

## METHYL ORANGE, C.I. 13025

labkem

M.W.: 327,34 CAS: 547-58-0 EC: 208-925-3 TARIC code: 29270000 UN: 3143 IMDG: 6.1 III UN 3143 ADR: 6.1 III UN 3143 (E) IATA: 6.1 III UN 3143

$C_{14}H_{14}N_3NaO_3S$

| METHYL ORANGE (C.I. 13025) IND ACS BASICKEM | | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Yellowish-orange colored powder<br>Identity (IR) Conforms to structure<br>Solubility (0.1% in water) Clear (passes ACS test)<br>Visual transition range from pH 3.2 (pink or red) to 4.4 (yellow- | orange)<br>Absorption maxima in 0.01 N NaOH 461 - 469 nm | MTOR-00D-100 | P | 100 g | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION

## METHYL ORANGE, SOLUTION 0.04%

labkem

M.W.: 327,34 CAS: 547-58-0 EC: 208-925-4 TARIC code: 38229000 UN: 1993 IMDG: 3 III UN 1993

$C_{14}H_{14}N_3NaO_3S$



| METHYL ORANGE, SOLUTION 0.04% IND | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Transition range pH 3.1 - 4.4<br>Transition Pink-orange-yellow | Sensitivity Passes test | | MTOR-S0D-250 | P | 250 ml | |

## METHYL RED, C.I. 13020

M.W.: 269,31 CAS: 493-52-7 EC: 207-776-1 TARIC code: 29270000

$C_{15}H_{15}N_3O_2$

| METHYL RED (C.I. 13020) IND ACS | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Dark red to maroon to violet or purple powder or crystals<br>Identity Passes test<br>Transition range pH 4.2 - 6.2<br>Pink-red to yellow-orange orange<br>Insoluble matter in ethanol (1g/L) Passes test | Abs. max. (pH 4.2) 523 - 526nm<br>Abs. max. (pH 6.2) 427 - 437nm<br>Loss on dry. < 5.0%<br>Residue on ignition < 2.0% | | MTRE-00D-025 | P | 25 g | |
| | | | MTRE-00D-100 | P | 100 g | |

## METHYLENE BLUE, C.I. 52015

labkem

M.W.: 319.85 CAS: 122965-43-9 EC: 200-515-2 TARIC code: 32041300

$C_{16}H_{18}ClN_3S{\cdot}H_2O$



| METHYLENE BLUE (C.I. 52015) IND | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Dark blue, crystalline powder with a copper-coloured sheen, or green crystals with a bronze-coloured sheen<br>Assay 95.0-101.0%<br>Identity Passes test<br>Solubility Passes test<br>Methanol insoluble substances < 1.0%<br>Related substances Passes test | Fe < 0.02%<br>Pb < 0.001%<br>Zn < 0.01%<br>Sulphated ash (at 600ºC) < 1.0%<br>Loss on drying (105ºC) 8.0-22.0% | | MEBL-00D-100 | P | 100 g | |

## 1,10-PHENANTHROLINE MONOHYDRATE

labkem

M.W.: 198,22 CAS: 5144-89-8 EC: 200-629-2 EC INDEX: 613-092-00-8 TARIC code: 29339980
UN: 2811 IMDG: 6.1 III UN 2811 ADR: 6.1 III UN 2811 (E) IATA: 6.1 III UN 2811

$C_{12}H_8N_2{\cdot}H_2O$



| 1,10-PHENANTHROLINE MONOHYDRATE IND | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| Appearance White crystals or crystalline powder<br>Assay > 99.0%<br>Identity (IR) Conforms<br>Melting range 97 - 102°C | Sensitivity to Fe 1:10000000 (Passes ACS test)<br>Sulphated ash < 0.05%<br>Suitability (as a redox indicator) Passes ACS test | | PHNA-01A-005 | P | 5 g | |
| | | | PHNA-01A-025 | P | 25 g | |

## PHENOL RED

labkem

M.W.: 354,38 CAS: 143-74-8 EC: 205-609-7 TARIC code: 29349990

$C_{19}H_{14}O_5S$



| PHENOL RED IND ACS | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|
| App. Reddish powder<br>Visual transition range From pH 6.8 (yellow) - 8.2 (red)<br>Absorption maxima at pH 6.5 430-435 nm<br>Absorption maxima at pH 8.2 557-560 nm | Loss on drying (110ºC) < 5.0%<br>Clarity of solution Passes ACS test | | PHRE-00D-005 | P | 5 g | |

## PHENOLPHTALEIN

M.W.: 318,32 CAS: 77-09-8 EC: 201-004-7 EC INDEX: 604-076-00-1 TARIC code: 29322010

$C_{20}H_{14}O_4$



| PHENOLPHTALEIN IND ACS | | | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|---|---|
| App. A white / almost white powder<br>Assay 98.0 - 101.0%<br>Identification Conforms<br>Loss on dry. < 0.5%<br>Ash ($SO_4$) < 0.1%<br>Acid. or alk. Conforms | $Cl^-$ < 0.01%<br>Thickness (DIN 53105) Conforms<br>App. of sol. Conforms<br>Heavy met. < 0.001%<br>Related subst. < 0.5%<br>$SO_4$ < 0.02% | Thermal resistance<br>Transition range pH 8.2 - 10<br>colourless to red-violet<br>Practically insoluble in water | | PHEN-00D-100 | P | 100 g | |
| | | | | PHEN-00D-250 | P | 250 g | |

## PHENOLPHTALEIN, SOLUTIONS

labkem

TARIC code: 38229000 M.W.: 318,32 UN: 1230 IMDG: 3 (6.1) II UN 1230 ADR: 3 (6.1) II UN 1230 (D/E) IATA: 3 (6.1) II UN 1230

$C_{20}H_{14}O_4$

| PHENOLPHTALEIN, SOLUTION 0.2% IN METHANOL IND | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Transition range pH 8 - 10<br>colourless to red-violet<br>Concentration 0.194 - 0.2006%<br>Sensitivity Passes test | | PHEN-S02-125 | G | 125 ml | |
| **PHENOLPHTALEIN, SOLUTION 1% IN METHANOL IND** | **BASICKEM** | **reference** | **packaging** | | **price** |
| Transition range pH 8 - 10<br>colourless to red-violet<br>Concentration 0.97 - 1.03%<br>Sensitivity Passes test | | PHEN-S10-125 | G | 125 ml | |

## POTASSIUM CHROMATE SOLUTIONS

Restriction: REACH Autorization

M.W.: 194.21 CAS: 7789-00-6 EC: 232-140-5 TARIC code: 28415000 UN: 3287 IMDG: 6.1 II UN 3287 ADR: 6.1 II UN 3287 (D/E) IATA: 6.1 II UN 3287

$K_2CrO_4$

| POTASSIUM CHROMATE SOLUTION 5% W/V IND | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay 4.9 - 5.1%<br>For chloride determination according Mohr.<br>Density at 18°C 1.0394g/ml<br>pH 8.5 - 10 | | POCH-50D-250 | P | 250 ml | |
| **POTASSIUM CHROMATE SOLUTION 10% W/V IND** | **BASICKEM** | **reference** | **packaging** | | **price** |
| App. Odourless orange liquid<br>pH 8-10<br>Density 1.10g/ml | | POCH-10D-250 | P | 250 ml | |

## STARCH 1%

labkem

M.W.: (162,1)n CAS: 9005-84-9 EC: 232-686-4 TARIC code: 35051090

$(C_6H_{10}O_5)_n$

| STARCH 1% IND | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Assay 0.9 - 1.1%<br>pH 5 - 7.5 | | STAR-10I-250 | P GL45 | 250 ml | |

## THYMOL BLUE

labkem

M.W.: 466,60 CAS: 76-61-9 EC: 200-973-4 TARIC code: 29349990

$C_{27}H_{30}O_5S$

| THYMOL BLUE IND ACS | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| App. Dark green to dark brown powder<br>Acid. trans. range pH 1.2 - 2.8<br>Red to yellow<br>Alkal. trans. range pH 8 - 9.6<br>Yellow to blue<br>Loss on dry. < 10%<br>Dye content (by spectrophotometry) > 95% | | THBL-00D-005 | G | 5 g | |
| | | THBL-00D-025 | P | 25 g | |

## THYMOL BLUE, SOLUTION 0.04%

labkem

M.W.: 466,60 CAS: 76-61-9 EC: 200-973-5 TARIC code: 29349990 UN: 1993 IMDG: 3 III UN 1993 ADR: 3 III UN 1993 IATA: 3 III UN 1993

$C_{27}H_{30}O_5S$

| THYMOL BLUE, SOLUTION 0.04% IND | BASICKEM | reference | packaging | | price |
|---|---|---|---|---|---|
| Acid. trans. range pH 1.2 - 2.8<br>violet-red to brownish yellow<br>Alkal. trans. range pH 7.8 - 9.5<br>yellow to blue | | THBL-S0D-100 | P | 100 ml | |

MAY REQUIRE A STATEMENT OF USE DEPENDING ON THE DESTINATION COUNTRY

REQUIRES REFRIGERATED TRANSPORTATION


labbox
C nucleus
+6
MeO
propan-1-ol
PCC
NHt–Bu
CH3SO
O=CHCH2CH(CH3)2
CH3

# ANNEXES

## PHYSICAL PROPERTIES OF PLASTICS

| Material | Resistance to temperature (for ordinary use) | Autoclavable (121 °C, 20 min) |
|---|---|---|
| ABS | -40 °C to +85 °C | no |
| HDPE | -50 °C to +80 °C | no |
| LDPE | -50 °C to +75 °C | no |
| PA | -30 °C to +80 °C | yes |
| PC | -100 °C to +135 °C | yes |
| PE | -40 °C to +80 °C | no |
| PMMA | -40 °C to +85 °C | no |
| PMP | 0 °C to +120 °C | yes |
| POM | -40 °C to +90 °C | yes |
| PP | -10 °C to +120 °C | yes |
| PS | -10 °C to +70 °C | no |
| PTFE | -200 °C to +260 °C | yes |
| PVC | -20 °C to +80 °C | no |
| PVDF | -40 °C to +105 °C | yes |
| PET | -40 °C to +50 °C | no |

## CHEMICAL RESISTANCE OF PLASTICS

| Material | LDPE | HDPE | PP | PMP | PTFE / PFA |
|---|---|---|---|---|---|
| Concentrated acids | ++ | ++ | ++ | ++ | ++ |
| Diluted acids | ++ | ++ | ++ | ++ | ++ |
| Alkalis | ++ | ++ | ++ | ++ | ++ |
| Aliphatic alcohols | ++ | ++ | ++ | ++ | ++ |
| Aldehydes | + | + | + | + | ++ |
| Ketones | + | + | + | - | ++ |
| Esters | + | + | + | + | ++ |
| Aliphatic hydrocarbons | - | + | + | - | ++ |
| Aromatic hydrocarbons | - | + | - | - | ++ |
| Halogenated hydrocarbons | -- | - | - | -- | ++ |
| Strong oxidants | - | - | - | - | ++ |

| | | | |
|---|---|---|---|
| High resistance | ++ | Good resistance | + |
| Marginal resistance | - | Non resistant | -- |

*Premium Line* **PORCELAIN, TECHNICAL SPECIFICATIONS**

**Thermal Shock Resistance:**
Average coefficient of expansion from 20 °C to 200 °C is 3,56 x $10^{-5}$, gradually increasing to 4,69 x $10^{-5}$ at 1000 °C.
Experience has indicated suitability of particular shapes for specific uses. It remains the responsibility of the user to determine the suitability for his use. To prevent thermal stress cracks on porcelain ware, Labbox strongly recommends a heating/cooling rate not to exceed 200 °C/hour. The thermal shock resistance of laboratory porcelain depends on various factors such as the correct correlation of the coefficient of expansion of porcelain body and glaze, the elasticity of glaze, etc.

**Resistance to Chemical Action:**
The resistance to acids and alkalies is excellent, except for hydrofluoric acid.

**Prolonging labware life:**
Follow gradual heating and cooling rates. Use an oven or hot plate as an intermediate step when quicker heating/cooling rates are required. Gradually increase flame intensity when using a gas burner. Avoid contact of heated ware with a cold surface. Carefully inspect your labware prior to each use and do not use any product that appears defective.

## PHYSICAL PROPERTIES OF METALWARE

| Material | Melting point | Density |
|---|---|---|
| Stainless steel 18/8 | 1398 °C | 7,93 g/cm³ |
| Stainless steel 316 | 1398 °C | 8,0 g/cm³ |
| Aluminum | 660 °C | 2,7 g/cm³ |
| Steel | 1375 °C | 7,8 g/cm³ |
| Nickel | 1455 °C | 8,9 g/cm³ |
| Cast iron | 1350 °C | 7,2 g/cm³ |

## RUBBER PHYSICAL PROPERTIES

| Material | Resistance to temperature (for ordinary use) | Autoclavable (121 °C, 20 min) | Shore hardness A | Elongation at break |
|---|---|---|---|---|
| Silicone | -50 °C to +250 °C | yes | 65 | 440 % |
| Natural rubber | -30 °C to +110 °C | no | 45 | 700 % |
| Latex | -40 °C to +68 °C | no | 40 | 650 % |

## LABBOX GLASSWARE, TECHNICAL SPECIFICATIONS

LBG 3.3 is a borosilicate glass with a minimum content in silica of 80 % and a low expansion coefficient ($3,3 \cdot 10^{-6}\ K^{-1}$) included in the 3.3 borosilicate group, as defined in ISO 3585 standard.
It is used in products where chemical and mechanical resistance is to be combined with resistance to sudden temperature changes. This particular combination of properties makes this type of glass the most used in labware.

### Physical and chemical properties

| | |
|---|---|
| Linear expansion coefficient (@ 20/300 °C) | $3,3 \cdot 10^{-6}\ K^{-1}$ |
| Strain point | 520 °C |
| Annealing point | 560 ± 10 °C |
| Softening point | 820 ± 10 °C |
| Density | 2,23 ± 0,02 g/cm³ |
| Hydrolytic resistance (acc. to ISO 719, water at 98 °C) | Class 1 |
| Hydrolytic resistance (acc. to ISO 720, water at 121 °C) | Class 1 |
| Resistance to acids (acc. to ISO 1776, DIN 12116) | Class 1 |
| Resistance to alkalis (acc. to ISO 695) | Class 2 |

### Typical composition

| | |
|---|---|
| 80,4 % | in weight $SiO_2$ |
| 13,0 % | in weight $B_2O_3$ |
| 4,2 % | in weight $Na_2O$ |
| 2,4 % | in weight $Al_2O_3$ |

LBG N is a neutral borosilicate glass with a high chemical resistance. Its average linear dilation coefficient is $8,0 \cdot 10^{-6}\ K^{-1}$. It is used in products not intended to be directly heated, but instead should have a higher mechanical resistance (such as mortars, desiccators, filtering flasks …) or in some volumetric glassware (such as pipettes, burettes …).

## GENERAL MAINTENANCE RECOMMENDATIONS AND CLEANING OF GLASSWARE

First of all, check before each use and washing that the glass material does not show any damage (if you find that it is damaged, do not use it).
It is recommended to always wash this type of material before the first use, as well as immediately after each use.
If you suspect that the material may have come into contact with contaminated products, wash and sterilize it.

**Cleaning recommendations to protect the printing on the glass:**

Never clean with abrasive products directly as they can damage the surface. Use a sponge or cloth impregnated with the cleaning solution.
The glass material can be immersed in a bath at room temperature with the cleaning solution, rinsed with hot water and finally with distilled water.
Avoid temperatures above 70 °C, excessively long actuation times and strongly alkaline media (as this would affect screen printing and could lead to corrosion of the glass).
Avoid mechanical aggressions during cleaning.

**If a manual cleaning is performed:**

1- Use a soft cloth or a non-scratching sponge with water and a mild cleanser. In general, do not use anything that can scratch the glass (spatula, etc.).
2- Do not use abrasive detergents that could damage the surface of the glass or erase the inscriptions.
3- Never allow the glass material to be soaked with strongly alkaline products.
4- Wash at room temperature and in case of immersion, do not soak the glass material for more than 30 minutes.
Maximum water temperature: 70 °C.
5- Rinse with running water and then with distilled water.

**If stem washing is performed:**

Stem washing is less aggressive to glass than manual washing because the material is not in prolonged contact with the detergent.

1- Use a suitable detergent with the dishwasher and a mild detergent with the glass.
2- Place the material in the dishwasher in such a way as to avoid friction or breakage.



## COMPATIBILITY TABLE FOR VIALS OF CHROMATOGRAPHY AND DIFFERENT TYPES OF CAPS

| | CAPS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | CC01-S02-100 | CC01-S02-1K0 | CHCA-S20-100 | CHCA-B20-100 | SC02-W02-100 | SC02-P02-100 | SC04-R40-100 | STC2-P20-100 | STC2-W20-100 |
| CAPSULE CAP | | | | | | | | | |
| CV01-C20-100 | • | • | | | | | | | |
| CV01-A20-100 | • | • | | | | | | | |
| CVP1-C02-100 | • | • | | | | | | | |
| CHVF-C10-100 | | | • | • | | | | | |
| CHVR-C10-100 | | | • | • | | | | | |
| CHVF-C20-100 | | | • | • | | | | | |
| CHVR-C20-100 | | | • | • | | | | | |
| SCREW CAP | | | | | | | | | |
| SV02-C20-100 | | | | | • | • | | | |
| SV02-A20-100 | | | | | • | • | | | |
| SVP2-C02-100 | | | | | • | • | | | |
| SVP2-A02-100 | | | | | • | • | | | |
| SV02-P20-100 | | | | | • | • | | | |
| SH01-015-100 | | | | | • | • | | | |
| SH01-A15-100 | | | | | • | • | | | |
| SV04-C40-100 | | | | | | | • | | |
| SV04-A40-100 | | | | | | | • | | |
| SVP4-C40-100 | | | | | | | • | | |
| SVP4-A40-100 | | | | | | | • | | |
| SNAP-TOP | | | | | | | | | |
| STV2-C20-100 | | | | | | | | • | • |
| STV2-A20-100 | | | | | | | | • | • |

## LIST OF TEST TUBES WITH RUBBER AND SILICONE STOPPERS

| TEST TUBES | RUBBER PLUG | SILICONE STOPPER |
|---|---|---|
| TU02-127-250 | STOR-013-025 / STOR-014-025 | STOS-015-025 |
| TU02-120-250 | STOR-013-025 / STOR-014-025 | STOS-015-025 |
| TU02-130-250 | STOR-014-025 | STOS-015-025 |
| TU02-160-250 | STOR-019-025 | STOS-017-025 / STOS-019-025 |
| TU02-165-250 | STOR-019-025 | STOS-017-025 / STOS-019-025 |
| TU04-105-250 | STOR-013-025 | - |
| TU04-107-250 | STOR-013-025 | - |
| TU04-127-250 | STOR-013-025 / STOR-014-025 | STOS-015-025 |
| TU04-120-250 | STOR-013-025 / STOR-014-025 | STOS-015-025 |
| TU04-130-250 | STOR-014-025 | STOS-015-025 |
| TU04-160-100 | STOR-019-025 | STOS-017-025 / STOS-019-025 |
| TU04-165-100 | STOR-019-025 | STOS-017-025 / STOS-019-025 |
| TU04-200-100 | STOR-021-020 / STOR-022-020 | STOS-020-025 / STOS-024-020 |
| TU04-225-100 | STOR-026-010 | STOS-026-010 |
| TU04-250-100 | STOR-026-010 | STOS-026-010 |
| TU05-107-250 | STOR-013-025 | - |
| TU05-127-250 | STOR-013-025 / STOR-014-025 | STOS-015-025 |
| TU05-120-250 | STOR-013-025 / STOR-014-025 | STOS-015-025 |
| TU05-130-250 | STOR-014-025 | STOS-015-025 |

## COMPATIBILITY CHART

*Büchner Funnel + Guko Rubber Gasket + Filtering Flask*

| | | BÜCHNER FUNNEL, PORCELAIN *PREMIUM LINE* | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Reference | BFUK-035 | BFUK-100 | BFUK-200 | BFUK-350 | BFUK-600 | BFUK-800 | BFUK-1K1 | BFUK-2K0 | BFUK-4K8 |
| FILTERING FLASK, ERLENMEYER SHAPE (GLASSCO) | FFE3-100 | GUKO-002 | GUKO-003 | GUKO-003 | - | - | - | - | - | - |
| | FFE3-125 | GUKO-003 | GUKO-003 | GUKO-003 | - | - | - | - | - | - |
| | FFE3-250 | GUKO-003<br>GUKO-004 | GUKO-003<br>GUKO-004 | GUKO-003<br>GUKO-004 | GUKO-004 | - | - | - | - | - |
| | FFE3-500 | GUKO-004 | GUKO-004 | GUKO-004 | GUKO-004 | GUKO-004 | - | - | - | - |
| | FFE3-1K0 | GUKO-004 | GUKO-004 | GUKO-004<br>GUKO-005 | GUKO-004<br>GUKO-005 | GUKO-004<br>GUKO-005 | GUKO-005 | - | - | - |
| | FFE3-2K0 | - | GUKO-005 | GUKO-005 | GUKO-005 | GUKO-005 | GUKO-005 | GUKO-005 | - | - |
| | FFE3-5K0 | - | - | GUKO-006 | GUKO-006 | GUKO-006 | GUKO-006 | GUKO-006 | GUKO-006 | GUKO-006 |
| FILTERING FLASK, ERLENMEYER SHAPE (LBG) | FFEN-250 | GUKO-004 | GUKO-004 | GUKO-004 | GUKO-004 | - | - | - | - | - |
| | FFEN-500 | GUKO-004 | GUKO-004 | GUKO-004 | GUKO-004 | GUKO-004 | - | - | - | - |
| | FFEN-1K0 | GUKO-004 | GUKO-004 | GUKO-004 | GUKO-004 | GUKO-004 | - | - | - | - |
| FILTERING FLASK, PP | FFEP-250 | GUKO-003 | GUKO-003 | GUKO-003<br>GUKO-004 | - | - | - | - | - | - |
| | FFEP-500 | GUKO-004 | GUKO-004 | GUKO-004 | GUKO-004 | GUKO-004 | - | - | - | - |
| | FFEP-1K0 | - | - | GUKO-005 | GUKO-005 | GUKO-005 | GUKO-005 | - | - | - |
| | FFEP-2K0 | - | - | GUKO-005 | GUKO-005 | GUKO-005 | GUKO-005 | GUKO-005 | - | - |

## COMPATIBILITY CHART

*Funnels + Folded Filter Paper (Branchia by Prat Dumas)*

| REFERENCE FUNNELS | DIAMETER OF THE FOLDED FILTER PAPER | EXAMPLES |
|---|---|---|
| **PP Funnels** | | |
| FUSP-050-012 | 125 mm | QLPG-126-100 |
| FUSP-062-012 | 150 mm | QLPG-151-100 |
| FUSP-075-012 | 185 mm, 200 mm | QLPG-186-100, QLPG-201-100 |
| FUSP-100-012 | 240 mm, 250 mm | QLPG-241-100, QLPG-251-100 |
| FUSP-150-012 | 400 mm | QLPG-401-100 |
| **Long Stem Funnels** | | |
| FUL3-050-006 | 110 mm | QLPG-111-100 |
| FUL3-060-006 | 125 mm | QLPG-126-100 |
| FUL3-075-006 | 150 mm | QLPG-151-100 |
| FUL3-090-006 | 200 mm | QLPG-201-100 |
| **Long Stem Funnels *Premium Line*** | | |
| FULG-070-006 | 185 mm | QLPG-186-100 |
| FULG-080-006 | 185 mm, 200 mm | QLPG-186-100, QLPG-201-100 |
| FULG-105-006 | 240 mm | QLPG-241-100 |
| **Short Stem Funnels** | | |
| FUS3-040-012 | 110 mm | QLPG-111-100 |
| FUS3-050-012 | 110 mm | QLPG-111-100 |
| FUS3-060-012 | 125 mm | QLPG-126-100 |
| FUS3-075-012 | 150 mm | QLPG-151-100 |
| FUS3-090-012 | 185 mm, 200 mm | QLPG-186-100, QLPG-201-100 |
| FUS3-100-006 | 240 mm, 250 mm | QLPG-241-100, QLPG-251-100 |
| FUS3-120-006 | 250 mm | QLPG-251-100 |
| **Short Stem Funnels *Premium Line*** | | |
| FUSG-035-010 | 110 mm | QLPG-111-100 |
| FUSG-055-010 | 125 mm | QLPG-126-100 |
| FUSG-075-010 | 185 mm | QLPG-186-100 |
| FUSG-100-010 | 240 mm | QLPG-241-100 |
| FUSG-125-010 | 400 mm | QLPG-401-100 |
| FUSG-150-010 | 400 mm | QLPG-401-100 |
| **PTFE Funnels** | | |
| FPTF-050-001 | 110 mm, 125 mm | QLPG-111-100, QLPG-126-100 |
| FPTF-070-001 | 150 mm, 185 mm | QLPG-151-100, QLPG-186-100 |
| FPTF-100-001 | 240 mm, 250 mm | QLPG-241-100, QLPG-251-100 |
| FPTF-150-001 | 400 mm | QLPG-401-100 |



## SELECTION GUIDE FOR SYRINGE FILTERS

| REFERENCE | MATERIAL | CHARACTERISTICS | RECOMMENDATIONS | USES AND APPLICATIONS | LABORATORY USE EXAMPLE |
|---|---|---|---|---|---|
| SFNY  | Hydrophilic Nylon 66 | High chemical compatibility, suitable for aqueous and organic solutions | Recommended for clients using **HPLC or UHPLC,** as it does not introduce contaminants. Resistant to moderately aggressive solvents. | Sample preparation in HPLC, routine analytical chemistry. | A pharmaceutical laboratory uses these filters to prepare drug analysis samples in HPLC without spectral interference. |
| SFPT  | Hydrophobic PTFE | Resistant to aggressive organic solvents, acids and bases. High thermal resistance. | Ideal for clients working with **strong organic solvents (methanol, hexane, acetone).** Does not release particles, ensuring reproducible results. | Filtration of aggressive solvents, acids and bases, gases and aerosols. | An industrial chemistry laboratory uses these filters to remove particles from solvent samples used in organic synthesis. |
| SFPV  | Hydrophilic PVDF | Low protein binding, high chemical and thermal resistance. | Recommended for **biotechnology laboratories** working with proteins, antibodies and biological solutions. Minimises protein loss. | Filtration of biological solutions, sterilisation and clarification of culture media. | A biomedical research institute uses these filters to filter protein solutions before performing ELISA assays. |
| SFMC  | Hydrophilic Mixed Cellulose Esters (MCE) | Uniform porosity, high protein retention. | Perfect for laboratories performing **cell culture or microbiology.** Good particle retention without affecting sample viability. | Clarification or sterilisation of culture media, filtration of biological samples. | A microbiology laboratory uses these filters to prepare bacteria-free culture media for cell growth assays. |
| SFCA  | Hydrophilic Cellulose Acetate (CA) | Low protein binding, strong mechanical resistance. | Essential for laboratories needing **full protein recovery. Strong mechanical resistance.** | Filtration of aqueous samples and solutions with sensitive proteins. | A clinical laboratory filters blood serum samples before analysing plasma proteins. |
| SFPE  | Hydrophilic Polyethersulfone (PES) | High filtration speed, low protein binding, resistant to a wide range of aqueous solvents. | Premium option for **laboratories with high sample volumes. Filters quickly without protein loss.** | Use in culture media workflows, filtration of aqueous solutions. | A bioprocessing laboratory uses these filters to clarify cell culture media before fermentation. |

## UNDERSTANDING LABBOX LABELS AND REFERENCES

The nomenclature of a Labbox reference consists of the following elements:

Product family — BKL3 - 150 - 012 — Packaging

Differences within the same product family
(volume, size, diameter, ...)

Beaker, low form, 150 ml, LBG 3.3, 12 pcs.

First, the first 4 digits indicates the family to which the product belongs. In this case, BKL3 corresponds to low form beaker.
The next part of three digits describes differences within the same product, whether it is volume, size, diameter, color … In the example given, 150 states the volume which is 150 ml.

Finally, the last three digits refer to the packaging, that is, the pieces per box of the product. In this specific example the number '012' indicates that each box contains 12 glasses.

**Label overview:**



| CAS | REF. | PAGE |
|---|---|---|
| 50-00-0 | FORM- | 61, 390 |
| 50-21-5 | LACA- | 399 |
| 50-81-7 | ASAC- | 376 |
| 50-99-7 | GLUC- | 57, 391 |
| 56-40-6 | GLIC- | 35, 392 |
| 56-81-5 | GLIO- | 391 |
| 57-13-6 | UREA- | 37, 429 |
| 57-48-7 | FRUC- | 391 |
| 57-50-1 | SUCR- | 425 |
| 60-00-4 | EDTA- | 388 |
| 60-29-7 | DETE- | 386 |
| 62-76-0 | SOOX- | 423 |
| 64-17-5 | PPAN- | 63 |
| 64-18-6 | DECA-; FORA- | 64, 390 |
| 64-19-7 | ACAC- | 369 |
| 65-85-0 | BNZA- | 378 |
| 67-56-1 | PANO-; MTOL-; MTLD- | 63, 398, 403 |
| 67-63-0 | PROL- | 414 |
| 67-64-1 | ACET- | 370 |
| 67-66-3 | CHLF- | 381 |
| 67-68-5 | DMSO- | 35, 386 |
| 68-12-2 | DMFO- | 386 |
| 69-65-8 | MANL- | 401 |
| 69-72-7 | SAAC- | 415 |
| 71-23-8 | PROL- | 413 |
| 71-36-3 | BUTL- | 379 |
| 75-05-8 | ACTN- | 371 |
| 75-09-2 | DCHM- | 385 |
| 76-03-9 | TRCH- | 429 |
| 76-59-5 | BRTH- | 434 |
| 76-60-8 | BRCR- | 433 |
| 76-61-9 | THBL- | 436 |
| 77-09-8 | PHEN- | 435 |
| 77-86-1 | TRIS- | 37 |
| 77-92-9 | CITA- | 381 |
| 78-93-3 | MEKT- | 404 |
| 79-06-1 | ACAD- | 33 |
| 79-09-4 | PRAC- | 414 |
| 85-86-9 | SUDN- | 64 |
| 87-69-4 | TRAC- | 427 |

| CAS | REF. | PAGE |
|---|---|---|
| 90-15-3 | NAOL- | 404 |
| 91-20-3 | NANE- | 404 |
| 92-31-9 | TLBL- | 59 |
| 100-01-6 | NIAN- | 406 |
| 100-51-6 | BNZY- | 378 |
| 100-52-7 | BNZL- | 377 |
| 107-21-1 | ETGL- | 388 |
| 108-24-7 | ACAN- | 370 |
| 108-88-3 | TOLN- | 428 |
| 108-94-1 | CYHN- | 384 |
| 108-95-2 | PHOL- | 409 |
| 109-66-0 | PENT- | 407 |
| 109-99-9 | TETR- | 428 |
| 110-54-3 | HXAN- | 393 |
| 110-82-7 | CYHX- | 384 |
| 110-86-1 | PYRI- | 415 |
| 111-42-2 | DETA- | 385 |
| 112-80-1 | OLAC- | 406 |
| 115-39-9 | BRPH- | 433 |
| 115-40-2 | BRCR- | 433 |
| 121-33-5 | VANI- | 429 |
| 121-44-8 | TRIE- | 429 |
| 122-39-4 | DIPA- | 387 |
| 123-30-8 | AMPH- | 372 |
| 123-51-3 | AMYL- | 376 |
| 123-86-4 | BUTY- | 379 |
| 127-09-3 | SOAC- | 416 |
| 127-18-4 | TTCE- | 427 |
| 141-78-6 | ETAC- | 388 |
| 142-82-5 | HPTN- | 392 |
| 143-74-8 | PHRE- | 435 |
| 144-55-8 | SOHC- | 419 |
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