



65 years

2019 EDITION

Glassware
Lab Instruments
Filter paper
Porcelain ware
Plasticware
Lab Equipment
Liquid Handling
Hygiene and Safety
Chemicals and Microbiology

Global lab supplier close to you

www.normax.pt



Dear customer,

Over the last 65 years, **Normax** has gone through a steady path of growth and development of its business.

Our commitment has been the continuous search for new technological solutions in glass transformation, product innovation and improvement; aiming for excellence in our prime objectives:

- Customer satisfaction
- Economic and financial balance

Until now, **Normax** has been developing two different yet, complementary businesses:

- In Portugal as a wide and full range distributor in the laboratory field.
- Outside Portugal the focus has been the manufacture and supply of scientific glass.

With this catalogue, the first in its history, **Normax** is changing its industrial philosophy, triggering an institutional change - to become a **Global Laboratory Supplier**.

Being the result of internal weighting and assessment versus the demands of numerous customers spread across more than 60 countries, this catalogue also beneficiates from the distribution experience in domestic market, with over 50,000 active articles in our portfolio.

Our goals are set and clear:

- To provide our partners with a win-win relationship
- To become a new reference as **Global Lab Supplier**

Finally, I would like to thank for all the involvement of our co-workers who have contributed to make this catalogue a reality.

We hope this catalogue may come to you as an intuitive tool to ease your work journeys.

Yours sincerely,

Joaquim Gomes
Managing Director



Global Lab Supplier close to you



Mission

To supply laboratory and hospital consumables assuring the satisfaction of all the involved parties.

Vision

To be recognised as a global provider of products and services of excellence.

Values

The implementation of Normax policy shall be observed in all its business activities based on the following values:

- Sustainable development
- Customer satisfaction
- Workforce satisfaction and motivation
- Social commitments
- Commitment to results

Quality assurance

The choice of the Normax's product assures the selection of a supplier, whose main priority is customer satisfaction.

Having the management system certified since 1995, Normax ensures an high level of product quality and excellent service.

From planning and raw-material purchases until final satisfaction assessment of its products and services, Normax's highly skilled technical staff keep a constant cycle of improvement and innovation



Repairing services of glass articles



Custom made glass articles



Manufacturing flexibility



Glassware cleaning

All the laboratory glassware manufactured by NORMAX can be cleaned manually or using a laboratory washing machine.

Nevertheless, to reduce erosion of the glass and graduation marks, we recommend gentle cleaning with detergents of low alkalinity at temperatures below 70°C.

Long immersion times are not recommended. All NORMAX glassware undergoes stabilizing thermal treatments at temperatures higher than 500°C. Nevertheless, we do not recommend the users to exceed the temperature of 180°C to dry volumetric instruments. Care should also be taken to avoid thermal shock.



Printing enamels

Normax uses only the best quality glasses and printing enamels.

All the graduation marks are made using amber stains or enamels tested to comply with the requirements of the international standard ISO 4794 - Laboratory glassware - Methods for assessing the chemical resistance of enamels used for colour coding and colour marking.



Batch certificate

The Normax volumetric instrument users have at their disposal the most efficient traceability system - the batch number.

Each instrument is ineffaceably marked with the production batch number. This number will match the one stated on the certificate of performance which is issued based on the inspection results (SPC).

When you receive Normax volumetric glassware you will not need to spend any further time or other resources to mark the instruments, for, we have done it already, specially for you, thanks to our advanced quality system.

| NORMAX | | Certificado de série Batch certificate | |
|--|------------|---|--|
| Data/Date | 00.00.0000 | | |
| Referência/Art.no. | | 3.5433034 | |
| Designação/Description Bureta torneira direita macho PTFE 0,05 AS 25 ml | | | |
| Burette straight stopcock. PTFE key, w/o flared top. 0,05 AS 25 ml | | | |
| Série/Batch | 000000 | | |
| Unidade/Units | | ml | |
| Volumenominal/Nominal volume | | 25 | |
| Divisão/Division | | 0.05 | |
| Norma/Standard | | ISO 385 | |
| Tolerância/Tolerance | | 0.030 | |
| Média/Mean value | 000000 | | |
| Desviopadrão/Standard deviation | | 000000 | |

www.normax.pt

Certificado de série
Batch certificate

temperatura de 20°C.
acreditado (ISO/IEC 17025)
reconhecidos.
são produzidos no âmbito
desde 1995.

The standards used are calibrated by ISO/IEC 17025 accredited laboratories and are traceable to national or international recognized standards.
The products certified by this document are manufactured under a quality system certified since 1995.

Certificado ISO 9001:2015 disponível em
ISO9001:2015 certificate available at

www.normax.pt

NORMA LAB

Calibration laboratory of volumetric instruments NORMAX

Since the early days, in 1954, Normax has always been the major Portuguese manufacturer of volumetric glassware. In the 90's, NORMAX created NormaLab, an independent laboratory, answering to the market's needs for calibration of the volumetric glassware manufactured by the company.

The scope of activity was, by the end of the 90's, completed with calibration and repair of micropipettes, dispensers, digital burettes and titrators, after a series of agreements with the major European manufacturers.

The growth in the activity of Normalab led to the accreditation for the calibration of volumetric instruments in May, 2000.

Summary Scope

Volumetric Flask

$5\text{ ml} \leq V \leq 5000\text{ ml}$

Burette with piston

$0,001\text{ ml} \leq V < 50\text{ ml}$

Burette without piston

$0,5\text{ ml} \leq V < 100\text{ ml}$

Pycnometer

$1\text{ ml} \leq V \leq 5000\text{ ml}$

Graduated pipette

$0,1\text{ ml} < V \leq 50\text{ ml}$

Volumetric pipette

$0,5\text{ ml} \leq V \leq 200\text{ ml}$

Measuring cylinder

$5\text{ ml} \leq V \leq 2000\text{ ml}$

Micropipette and macropipette

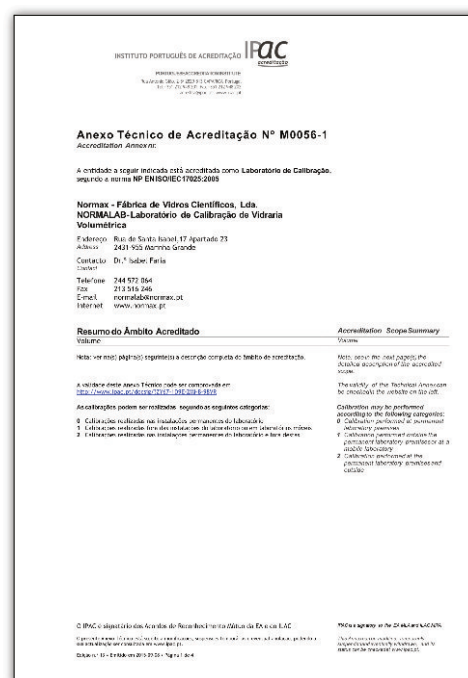
$0,1 \leq V \leq 20000\text{ }\mu\text{l}$

Dilutor and Dispenser

$1\text{ }\mu\text{l} \leq V \leq 200\text{ ml}$

Syringe and microsyringe

$1\text{ }\mu\text{l} \leq V \leq 100\text{ ml}$



Accreditation

→ Calibrations performed by Normalab are recognised internationally

→ Mutual recognition agreements available at:

<http://www.european-accreditation.org> and www.ilac.org

→ IPAC is a signatory to the Agreement of mutual recognition of EA and ILAC

→ Accreditation certificate available at www.normax.pt



Your volume metrology expert



Calibration certificate

Issued by Normalab, our independent and accredited laboratory.

The measured instrument is individually identified and this number will correspond to the calibration certificate number.

In this case, the results stated on the certificate are the values that have been obtained for each item (accreditation certificate available at www.normax.pt).

Calibration service

- Calibration methods according to international standards
- Calibration laboratory accreditation IPAC M0056
- Calibration certificates in pdf format with authenticated digital signature

| STANDARDS USED | | TRACEABILITY | | ENVIRONMENTAL CONDITIONS | |
|------------------|-------|------------------|--|--------------------------|----------|
| BALANCE | B019 | IPAC M0002 (TAP) | | AIR TEMPERATURE | 20°C |
| THERMOMETER | Tm026 | IPAC M0002 (TAP) | | RELATIVE HUMIDITY | 58% |
| THERMOHYGROMETER | TH005 | IPAC M0002 (TAP) | | BAROMETRIC PRESSURE | 1013 hPa |
| BAROMETER | Ba002 | IPAC M0002 (TAP) | | | |

| RESULTS | | | | | | |
|---------|-----------------|----------------------|----------------------|--------|------|---------|
| Volume | Measured volume | Expanded uncertainty | (Error)± Uncertainty | Error | Unit | k vef |
| 50 | 49.952 | 0.016 | 0.024 | -0.008 | ml | 2.59 30 |



“If it’s glass, we can do it!”

**Joaquim Manuel Gomes,
NORMAX founder**



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01 GLASSWARE

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Volumetric glassware

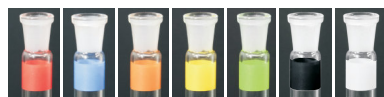


Blue printing with high resistance, tested according to ISO 4794.

Batch
Certificate

ISO
1042

BORO
3.3



ID stripe available in 7 different colours

Volumetric flask Class A with plastic stopper

Blue printing. Graduated to contain.

| Reference | Capacity (ml) | Tolerance \pm (ml) | Standard joint (NS) | Pack unit |
|-----------|---------------|----------------------|---------------------|-----------|
| 3168607 | 5 | 0,025 | 7/16 | 1 |
| 3168606 | 5 | 0,040 | 10/19 | 1 |
| 3168608 | 10 | 0,025 | 7/16 | 2 |
| 3168609 | 10 | 0,040 | 10/19 | 2 |
| 3168611 | 20 | 0,060 | 12/21 | 2 |
| 3168612 | 20 | 0,040 | 10/19 | 2 |
| 3168614 | 25 | 0,040 | 10/19 | 2 |
| 3168615 | 25 | 0,060 | 12/21 | 2 |
| 3168617 | 50 | 0,060 | 12/21 | 2 |
| 3168618 | 50 | 0,100 | 14/23 | 2 |
| 3168624 | 100 | 0,100 | 12/21 | 2 |
| 3168626 | 100 | 0,100 | 14/23 | 2 |
| 3168627 | 150 | 0,150 | 14/23 | 2 |
| 3168632 | 200 | 0,150 | 14/23 | 2 |
| 3168636 | 250 | 0,150 | 14/23 | 2 |
| 3168637 | 300 | 0,150 | 14/23 | 2 |
| 3168638 | 400 | 0,250 | 19/26 | 2 |
| 3168644 | 500 | 0,250 | 19/26 | 2 |
| 3168654 | 1000 | 0,400 | 24/29 | 2 |
| 3168663 | 2000 | 0,600 | 29/32 | 2 |
| 3168673 | 5000 | 1,200 | 34/35 | 1 |

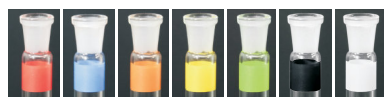


The amber printing enamel used is highly resistant, prepared for the most demanding conditions.

Batch
Certificate

ISO
1042

BORO
3.3



ID stripe available in 7 different colours

Volumetric flask Class A with plastic stopper

Amber printing. Graduated to contain.

| Reference | Capacity (ml) | Tolerance \pm (ml) | Standard joint (NS) | Pack unit |
|-----------|---------------|----------------------|---------------------|-----------|
| 3188807 | 5 | 0,025 | 7/16 | 1 |
| 3188806 | 5 | 0,040 | 10/19 | 1 |
| 3188808 | 10 | 0,025 | 7/16 | 2 |
| 3188809 | 10 | 0,040 | 10/19 | 2 |
| 3188810 | 15 | 0,040 | 10/19 | 2 |
| 3188811 | 20 | 0,060 | 12/21 | 2 |
| 3188812 | 20 | 0,040 | 10/19 | 2 |
| 3188814 | 25 | 0,040 | 10/19 | 2 |
| 3188815 | 25 | 0,060 | 12/21 | 2 |
| 3188817 | 50 | 0,060 | 12/21 | 2 |
| 3188818 | 50 | 0,100 | 14/23 | 2 |
| 3188824 | 100 | 0,100 | 12/21 | 2 |
| 3188826 | 100 | 0,100 | 14/23 | 2 |
| 3188827 | 150 | 0,150 | 14/23 | 2 |
| 3188832 | 200 | 0,150 | 14/23 | 2 |
| 3188836 | 250 | 0,150 | 14/23 | 2 |
| 3188837 | 300 | 0,150 | 14/23 | 2 |
| 3188838 | 400 | 0,250 | 19/26 | 2 |
| 3188844 | 500 | 0,250 | 19/26 | 2 |
| 3188854 | 1000 | 0,400 | 24/29 | 2 |
| 3188863 | 2000 | 0,600 | 29/32 | 2 |
| 3188873 | 5000 | 1,200 | 34/35 | 1 |



Volumetric flasks to deliver are available upon request



Volumetric flask Class A with plastic stopper

White printing. Graduated to contain

| Reference | Capacity (ml) | Tolerance \pm (ml) | Standard joint (NS) | Pack unit |
|-----------|---------------|----------------------|---------------------|-----------|
| 3188607 | 5 | 0,025 | 7/16 | 1 |
| 3188606 | 5 | 0,040 | 10/19 | 1 |
| 3188608 | 10 | 0,025 | 7/16 | 2 |
| 3188609 | 10 | 0,040 | 10/19 | 2 |
| 3188610 | 15 | 0,040 | 10/19 | 2 |
| 3188611 | 20 | 0,060 | 12/21 | 2 |
| 3188612 | 20 | 0,040 | 10/19 | 2 |
| 3188614 | 25 | 0,040 | 10/19 | 2 |
| 3188615 | 25 | 0,060 | 12/21 | 2 |
| 3188617 | 50 | 0,060 | 12/21 | 2 |
| 3188618 | 50 | 0,100 | 14/23 | 2 |
| 3188624 | 100 | 0,100 | 12/21 | 2 |
| 3188626 | 100 | 0,100 | 14/23 | 2 |
| 3188627 | 150 | 0,150 | 14/23 | 2 |
| 3188632 | 200 | 0,150 | 14/23 | 2 |
| 3188636 | 250 | 0,150 | 14/23 | 2 |
| 3188637 | 300 | 0,150 | 14/23 | 2 |
| 3188638 | 400 | 0,250 | 19/26 | 2 |
| 3188644 | 500 | 0,250 | 19/26 | 2 |
| 3188654 | 1000 | 0,400 | 24/29 | 2 |
| 3188663 | 2000 | 0,600 | 29/32 | 2 |



Batch Certificate

ISO 1042

BORO 3.3

Volumetric flask Class A with plastic stopper, USP

White/blue printing. Graduated to contain

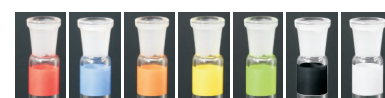
| Amber glass | Clear glass | Capacity (ml) | Tolerance \pm (ml) | Standard joint (NS) | Pack unit |
|-------------|-------------|---------------|----------------------|---------------------|-----------|
| 3188607U | 3168607U | 5 | 0,02 | 7/16 | 1 |
| 3188606U | 3168606U | 5 | 0,02 | 10/19 | 1 |
| 3188608U | 3168608U | 10 | 0,02 | 7/16 | 2 |
| 3188609U | 3168609U | 10 | 0,02 | 10/19 | 2 |
| 3188610U | 3168610U | 15 | 0,04 | 10/19 | 2 |
| 3188611U | 3168611U | 20 | 0,03 | 12/21 | 2 |
| 3188612U | 3168612U | 20 | 0,03 | 10/19 | 2 |
| 3188614U | 3168614U | 25 | 0,03 | 10/19 | 2 |
| 3188615U | 3168615U | 25 | 0,03 | 12/21 | 2 |
| 3188617U | 3168617U | 50 | 0,05 | 12/21 | 2 |
| 3188618U | 3168618U | 50 | 0,1 | 14/23 | 2 |
| 3188624U | 3168624U | 100 | 0,08 | 12/21 | 2 |
| 3188626U | 3168626U | 100 | 0,08 | 14/23 | 2 |
| 3188627U | 3168627U | 150 | 0,15 | 14/23 | 2 |
| 3188632U | 3168632U | 200 | 0,10 | 14/23 | 2 |
| 3188636U | 3168636U | 250 | 0,12 | 14/23 | 2 |
| 3188637U | 3168637U | 300 | 0,15 | 14/23 | 2 |
| 3188638U | 3168638U | 400 | 0,15 | 19/26 | 2 |
| 3188644U | 3168644U | 500 | 0,20 | 19/26 | 2 |
| 3188654U | 3168654U | 1000 | 0,30 | 24/29 | 2 |
| 3188663U | 3168663U | 2000 | 0,50 | 29/32 | 2 |
| — | 3168673U | 5000 | 1,25 | 34/35 | 1 |



Batch Certificate

USP

BORO 3.3



ID stripe available in 7 different colours
(Only available for clear glass)

Measuring Cylinder General Information

- Class A
- Manufactured with borosilicate 3.3 glass
- Graduated to contain (In)
- Works certificate available on request
- Available calibration certificate by NormaLab ISO 17025 accredited laboratory



The amber printing ink used is highly resistant, prepared for the most demanding conditions.

Batch
Certificate

ISO
4788

BORO
3.3

Measuring cylinder Class A with glass hexagonal base and spout

Available in white printing

| Amber printing | Blue printing | Capacity (ml) | Division (ml) | Tolerance ± (ml) | Pack unit |
|----------------|---------------|---------------|---------------|------------------|-----------|
| 5139607 | 5149607 | 5 | 0,1 | 0,05 | 2 |
| 5139608 | 5149608 | 10 | 0,2 | 0,1 | 2 |
| 5139614 | 5149614 | 25 | 0,5 | 0,25 | 2 |
| 5139617 | 5149617 | 50 | 1 | 0,5 | 2 |
| 5139624 | 5149624 | 100 | 1 | 0,5 | 2 |
| 5139636 | 5149636 | 250 | 2 | 1 | 2 |
| 5139644 | 5149644 | 500 | 5 | 2,5 | 1 |
| 5139654 | 5149654 | 1000 | 10 | 5 | 1 |
| 5139663 | 5149663 | 2000 | 20 | 10 | 1 |



Blue printing with high resistance, according to ISO 4794

Batch
Certificate

ISO
4788

BORO
3.3

Measuring cylinder Class A with glass hexagonal base and plastic stopper

Blue printing. Available in white printing

| Reference | Capacity (ml) | Division (ml) | Tolerance ± (ml) | Standard joint (NS) | Pack unit |
|-----------|---------------|---------------|------------------|---------------------|-----------|
| 5181807 | 5 | 0,1 | 0,05 | 10/19 | 2 |
| 5181808 | 10 | 0,1 | 0,05 | 10/19 | 2 |
| 5181814 | 25 | 0,25 | 0,10 | 14/23 | 2 |
| 5181817 | 50 | 0,5 | 0,25 | 19/26 | 2 |
| 5181824 | 100 | 0,5 | 0,5 | 24/29 | 2 |
| 5181836 | 250 | 1 | 1 | 29/32 | 2 |
| 5181844 | 500 | 2,5 | 2,5 | 34/35 | 1 |
| 5181854 | 1000 | 5 | 5 | 45/40 | 1 |
| 5181863 | 2000 | 20 | 10 | 45/40 | 1 |



Batch
Certificate

USP

BORO
3.3

Measuring cylinder with glass hexagonal base and spout, USP

Amber printing. Available in white printing

| Reference | Capacity (ml) | Division (ml) | Tolerance ± (ml) | Pack unit |
|-----------|---------------|---------------|------------------|-----------|
| 5139607U | 5 | 0,1 | 0,05 | 2 |
| 5139608U | 10 | 0,2 | 0,10 | 2 |
| 5139614U | 25 | 0,5 | 0,25 | 2 |
| 5139617U | 50 | 1 | 0,5 | 2 |
| 5139624U | 100 | 1 | 0,5 | 2 |
| 5139636U | 250 | 2 | 1 | 2 |
| 5139644U | 500 | 5 | 2,5 | 1 |
| 5139654U | 1000 | 10 | 5 | 1 |
| 5139663U | 2000 | 20 | 10 | 1 |



Brushes

YOU MAY ALSO LIKE

→ Brushes for:

- Cylinders, flasks, test tubes etc. 20 to 32 mm Ø. (ref. S1001148)
- Erlenmeyer, test tubes, flasks etc. 25 to 45 mm Ø. (ref. S1001149)
- Flasks, Erlenmeyer, test tubes etc. 35 to 80 mm Ø. (ref. S1001150)

| Capacity (ml) | Division (ml) | Colour stripe ID | Length(± 10) (mm) | Tol.(±) Class A/AS (ml) | Tol.(±) Class B (ml) | Pack Unit |
|---------------|---------------|------------------|-------------------|-------------------------|----------------------|-----------|
| 0,1 | 0,01 | 1 white | 360 | 0,006 | 0,01 | 5 |
| 0,2 | 0,01 | 1 black | 360 | 0,006 | 0,01 | 5 |
| 0,5 | 0,01 | 2 yellow | 360 | 0,006 | 0,01 | 5 |
| 1 | 0,01 | 1 yellow | 360 | 0,007 | 0,01 | 5 |
| 1 | 0,1 | 1 red | 360 | 0,007 | 0,01 | 5 |
| 2* | 0,01 | 2 white | 360 | 0,01 | 0,02 | 5 |
| 2 | 0,02 | 1 black | 360 | 0,01 | 0,02 | 5 |
| 2 | 0,1 | 1 green | 360 | 0,01 | 0,02 | 5 |
| 5 | 0,05 | 1 red | 360 | 0,03 | 0,05 | 5 |
| 5 | 0,1 | 1 blue | 360 | 0,03 | 0,05 | 5 |
| 10 | 0,1 | 1 orange | 360 | 0,05 | 0,1 | 5 |
| 20 | 0,1 | 2 yellow | 360 | 0,1 | 0,2 | 5 4 ** |
| 25 | 0,1 | 1 white | 395 | 0,1 | 0,2 | 5 4 ** |
| 25 | 0,2 | 1 green | 395 | 0,1 | 0,2 | 5 4 ** |
| 50* | 0,1 | 2 orange | 635 | 0,25 | 0,5 | 5 4 ** |
| 50* | 0,2 | 1 black | 635 | 0,25 | 0,5 | 5 4 ** |

*in addition to ISO **quantity per box with safety bulb

Product with batch certificate. Works certificate available on request.
You can also request a calibration certificate provided by [NormaLab](#) ISO 17025 accredited laboratory.

Graduated Pipette Technical Data

- The graduated pipettes, total delivery, class AS, are available with specified waiting time of 5s, manufactured to delivery (EX + 5s)
- Other capacities and scale divisions are available, upon request (see table)
- All Normax graduated pipettes have colour code identification bands according to ISO 1769.
- Manufactured from clear glass which resistance meets at least HGB3 according to ISO 719.
- Schellbach stripe is available for better reading accuracy.
- Safety bulb available.

Graduated pipette Class AS, type 3

Amber printing. Total delivery, zero at the top

| Reference | Capacity (ml) | Division (ml) | Tolerance ± (ml) | Delivery time | Pack unit |
|-----------|---------------|---------------|------------------|---------------|-----------|
| 5455305 | 0,5 | 0,01 | 0,006 | 4 - 10 | 5 |
| 5455311 | 1 | 0,01 | 0,007 | 4 - 10 | 5 |
| 5455311F | 1 | 0,1 | 0,007 | 4 - 10 | 5 |
| 5455316* | 2 | 0,01 | 0,01 | - | 5 |
| 5455316F | 2 | 0,10 | 0,01 | 4 - 10 | 5 |
| 5455324 | 5 | 0,05 | 0,03 | 7 - 13 | 5 |
| 5455324F | 5 | 0,1 | 0,03 | 7 - 13 | 5 |
| 5455329 | 10 | 0,1 | 0,05 | 7 - 13 | 5 |
| 5455332 | 20 | 0,1 | 0,1 | 11 - 17 | 5 |
| 5455334 | 25 | 0,1 | 0,1 | 11 - 17 | 5 |
| 5455336* | 25 | 0,2 | 0,1 | - | 5 |
| 5455338* | 50 | 0,1 | 0,25 | - | 5 |

*in addition to ISO



Batch Certificate ISO 4788 SODA LIME

Graduated pipette Class A, type 3

Amber and blue printing. Total delivery, zero at the top

| Blue printing | Amber printing | Capacity (ml) | Division (ml) | Tolerance ± (ml) | Delivery time | Pack unit |
|---------------|----------------|---------------|---------------|------------------|---------------|-----------|
| 5454301** | 5434301** | 0,1 | 0,01 | 0,006 | 1 - 3 | 5 |
| 5454303** | 5434303** | 0,2 | 0,01 | 0,006 | 1 - 4 | 5 |
| 5454305* | 5434305* | 0,5 | 0,01 | 0,006 | - | 5 |
| 5454311 | 5434311 | 1 | 0,01 | 0,007 | 5 - 7 | 5 |
| 5454311F | 5434311F | 1 | 0,10 | 0,007 | 5 - 7 | 5 |
| 5454316* | 5434316* | 2 | 0,01 | 0,010 | - | 5 |
| 5454317 | 5434317 | 2 | 0,02 | 0,010 | 6 - 9 | 5 |
| 5454316F | 5434316F | 2 | 0,10 | 0,010 | 6 - 9 | 5 |
| 5454324 | 5434324 | 5 | 0,05 | 0,030 | 8 - 11 | 5 |
| 5454324F | 5434324F | 5 | 0,10 | 0,030 | 8 - 11 | 5 |
| 5454329 | 5434329 | 10 | 0,1 | 0,05 | 10 - 13 | 5 |
| 5454332* | 5434332* | 20 | 0,1 | 0,1 | - | 5 |
| 5454334 | 5434334 | 25 | 0,1 | 0,1 | 11 - 16 | 5 |
| 5454338* | 5434338* | 50 | 0,1 | 0,25 | - | 5 |
| 5454339* | 5434339* | 50 | 0,2 | 0,25 | - | 4 |

*in addition to ISO ** in addition to ISO and graduated to contain



Batch Certificate ISO 4788 SODA LIME

Batch
CertificateISO
835SODA
LIME

Graduated pipette Class AS, type 3

Amber printing. Total delivery, zero at the top

| Reference | Capacity (ml) | Division (ml) | Tolerance \pm (ml) | Delivery time | Pack unit |
|-----------|---------------|---------------|----------------------|---------------|-----------|
| 5414311 | 1 | 0,01 | 0,007 | 4 \ 10 | 5 |
| 5414317 | 2 | 0,02 | 0,010 | 4 \ 10 | 5 |
| 5414324 | 5 | 0,05 | 0,030 | 7 \ 13 | 5 |
| 5414329 | 10 | 0,1 | 0,05 | 7 \ 13 | 5 |
| 5414332 | 20 | 0,1 | 0,1 | 11 \ 17 | 5 |
| 5414334 | 25 | 0,1 | 0,1 | 11 \ 17 | 5 |
| 5414336 | 25 | 0,2 | 0,1 | -- | 5 |
| 5414338 | 50 | 0,1 | 0,25 | -- | 5 |

Volumetric Pipettes General information

- Class AS - Faster delivery with 5s waiting time, according to ISO
- Graduated to deliver (EX)
- All Normax volumetric pipettes have a colour code identification stripe according to ISO 1769
- Works certificate available on request
- Available calibration certificate by NormaLab ISO 17025 accredited laboratory

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Volumetric pipette Class A, one/two marks

Blue printing

| Reference one mark | Reference two marks | Capacity (ml) | Tolerance \pm (ml) | Stripe colour ID | Pack unit |
|--------------------|---------------------|---------------|----------------------|------------------|-----------|
| 3433701 | 3433801 | 1 | 0,008 | 1 blue | 5 |
| 3433702 | 3433802 | 2 | 0,010 | 1 orange | 5 |
| 3433704* | 3433804* | 2,5 | 0,012 | orange | 5 |
| 3433703* | 3433803* | 3 | 0,015 | 1 black | 5 |
| 3433705* | 3433805* | 4 | 0,015 | 2 red | 5 |
| 3433707 | 3433807 | 5 | 0,015 | 1 white | 5 |
| 3433706* | 3433806* | 6 | 0,015 | 2 orange | 5 |
| 3433713* | 3433813* | 7 | 0,02 | 2 green | 5 |
| 3433711* | 3433811* | 8 | 0,02 | 1 blue | 5 |
| 3433718* | 3433818* | 9 | 0,02 | 1 black | 5 |
| 3433708 | 3433808 | 10 | 0,02 | 1 red | 5 |
| 3433710* | 3433810* | 11 | 0,02 | orange | 5 |
| 3433709* | 3433809* | 15 | 0,03 | 1 green | 5 |
| 3433712 | 3433812 | 20 | 0,03 | 1 yellow | 5 |
| 3433714 | 3433814 | 25 | 0,03 | 1 blue | 5 |
| 3433715* | 3433815* | 30 | 0,03 | 1 black | 4 |
| 3433716* | 3433816* | 40 | 0,05 | 1 white | 2 |
| 3433717 | 3433817 | 50 | 0,05 | 1 red | 2 |
| 3433724 | 3433824 | 100 | 0,08 | 1 yellow | 2 |
| — | 3433836* | 200 | 0,15 | 1 blue | 2 |

*in addition to ISO



Pipette filler

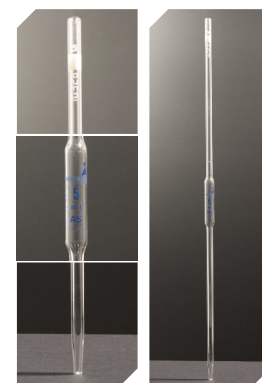
YOU MAY ALSO LIKE:

- Pipette filler with 3 valves
(ref. V104199)
(from 10 ml up to 100 ml)

Volumetric pipette Class AS, one mark

Blue printing

| Reference | Capacity (ml) | Division (ml) | Stripe colour ID | Pack unit |
|-----------|---------------|---------------|------------------|-----------|
| 3433901 | 1 | 0,008 | 1 blue | 5 |
| 3433902 | 2 | 0,01 | 1 orange | 5 |
| 3433907 | 5 | 0,015 | orange | 5 |
| 3433908 | 10 | 0,02 | 1 black | 5 |
| 3433914 | 25 | 0,03 | 2 red | 5 |
| 3433917 | 50 | 0,05 | 1 white | 2 |
| 3433924 | 100 | 0,08 | 2 orange | 2 |



Batch Certificate

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Volumetric pipette USP, one mark

Blue printing

| Reference | Capacity (ml) | Division (ml) | Stripe colour ID | Pack unit |
|-----------|---------------|---------------|------------------|-----------|
| 3433701U | 1 | 0,008 | 1 blue | 5 |
| 3433702U | 2 | 0,010 | 1 orange | 5 |
| 3433703U | 3 | 0,015 | 1 black | 5 |
| 3433705U | 4 | 0,015 | 2 red | 5 |
| 3433707U | 5 | 0,015 | 1 white | 5 |
| 3433706U | 6 | 0,015 | 2 orange | 5 |
| 3433713U | 7 | 0,02 | 2 green | 5 |
| 3433711U | 8 | 0,02 | 1 blue | 5 |
| 3433718U | 9 | 0,02 | 1 black | 5 |
| 3433708U | 10 | 0,02 | 1 red | 5 |
| 3433710U | 11 | 0,02 | orange | 5 |
| 3433709U | 15 | 0,03 | 1 green | 5 |
| 3433712U | 20 | 0,03 | 1 yellow | 5 |
| 3433714U | 25 | 0,03 | 1 blue | 5 |
| 3433715U | 30 | 0,03 | 1 black | 4 |
| 3433717U | 50 | 0,05 | 1 red | 2 |
| 3433724U | 100 | 0,08 | 1 yellow | 2 |
| 3433736U | 200 | 0,1 | 1 blue | 2 |



Batch Certificate

ISO 648

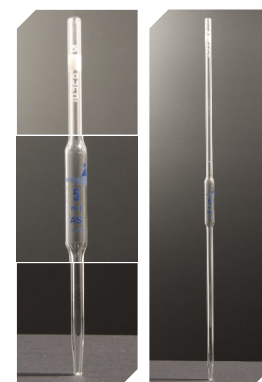
SODA LIME

Volumetric pipette Class AS, two marks

Blue printing

| Reference | Capacity (ml) | Division (ml) | Stripe colour ID | Pack unit |
|-----------|---------------|---------------|------------------|-----------|
| 3434019 | 0,5 | 0,005 | 1 black | 5 |
| 3434001 | 1 | 0,008 | 1 blue | 5 |
| 3434002 | 2 | 0,010 | 2 orange | 5 |
| 3434004* | 2,5 | 0,012 | orange | 5 |
| 3434007 | 5 | 0,015 | 1 white | 5 |
| 3434006* | 6 | 0,015 | 2 orange | 5 |
| 3434013* | 7 | 0,02 | 2 green | 5 |
| 3434011* | 8 | 0,02 | 1 blue | 5 |
| 3434008 | 10 | 0,02 | 1 red | 5 |
| 3434014 | 25 | 0,03 | 1 blue | 5 |
| 3434017 | 50 | 0,05 | 1 red | 2 |
| 3434024 | 100 | 0,08 | 1 yellow | 2 |

*In addition to ISO



Batch Certificate

ISO 648

SODA LIME

Burette General Information

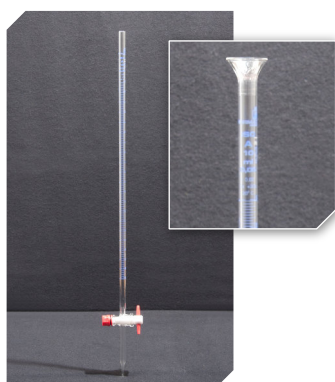
- Available with Schellbach stripe for best reading accuracy
- Available class B burettes without waiting time
- We sell special lubricant for the stopcocks
- Graduated to deliver (EX)
- Works certificate available on request
- Available calibration certificate by NormaLab ISO 17025 accredited laboratory

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Burette Class AS, straight glass stopcock

Blue printing. Waiting time 30s.

| Normal | Flared top | Capacity (ml) | Division (ml) | Tolerance \pm (ml) | Delivery time | Pack unit |
|---------|------------|---------------|---------------|----------------------|---------------|-----------|
| 5432829 | 5472829 | 10 | 0,05 | 0,02 | 45-60 | 1 |
| 5432834 | 5472834 | 25 | 0,05 | 0,03 | 35-55 | 1 |
| 5432833 | 5472833 | 25 | 0,1 | 0,05 | 25-45 | 1 |
| 5432836 | 5472836 | 50 | 0,1 | 0,05 | 30-50 | 1 |
| 5432839 | 5472839 | 100 | 0,2 | 1 | 30-50 | 1 |

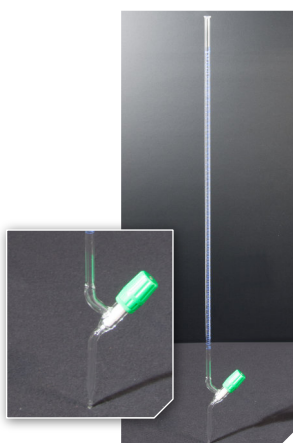
Batch
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3.3

Burette Class AS, straight PTFE stopcock

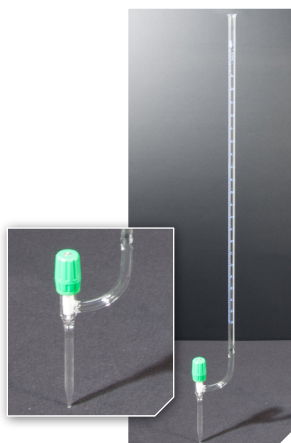
Blue printing. Waiting time 30s.

| Normal | Flared top | Capacity (ml) | Division (ml) | Tolerance \pm (ml) | Delivery time | Pack unit |
|---------|------------|---------------|---------------|----------------------|---------------|-----------|
| 5433029 | 5473029 | 10 | 0,05 | 0,02 | 45-60 | 1 |
| 5433034 | 5473034 | 25 | 0,05 | 0,03 | 35-55 | 1 |
| 5433033 | 5473033 | 25 | 0,1 | 0,05 | 25-45 | 1 |
| 5433036 | 5473036 | 50 | 0,1 | 0,05 | 30-50 | 1 |
| 5433039 | 5473039 | 100 | 0,2 | 1 | 30-50 | 1 |

ALSO AVAILABLE:



- Straight stopcock
- PTFE needle-valve
- Class AS
- ISO 385
- Blue printing
- Borosilicate 3.3
- Waiting time 30s



- Lateral stopcock
- PTFE needle-valve
- Class AS
- ISO 385
- Blue printing
- Borosilicate 3.3
- Waiting time 30s



- PTFE glass key for lateral stopcock

Automatic Burette General Information

- Available with Schellbach stripe for best reading accuracy
- With automatic zero point
- Without reservoir bottle
- Special stopcock lubricant available
- Graduated to deliver (EX)
- Works certificate available on request
- Available calibration certificate by NormaLab ISO 17025 accredited laboratory

Automatic Burette Class AS, two-way PTFE key

Blue printing. Waiting time 30s.

| Reference | Capacity (ml) | Division (ml) | Pack unit |
|-----------|---------------|---------------|-----------|
| 3450227 | 10 | 0,05 | 1 |
| 3450233 | 25 | 0,1 | 1 |
| 3450236 | 50 | 0,1 | 1 |
| 2450239 | 100 | 0,2 | 1 |



Batch Certificate

ISO 385

BORO 3.3

Automatic Burette Class AS, according to Dr.Schilling

| Reference | Capacity (ml) | Division (ml) | Flask cap. (ml) | Pack unit |
|-----------|---------------|---------------|-----------------|-----------|
| 3086922 | 5 | 0,02 | 500 | 1 |
| 3086927 | 10 | 0,05 | 500 | 1 |
| 3086933 | 25 | 0,1 | 1000 | 1 |
| 3086936 | 50 | 0,2 | 1000 | 1 |



Batch Certificate

ISO 385

BORO 3.3

Automatic Burette Class AS, two-way glass key

White printing, amber glass

| Reference | Capacity (ml) | Division (ml) | Tolerance \pm (ml) | Pack unit |
|-----------|---------------|---------------|----------------------|-----------|
| 3441827 | 10 | 0,05 | 0,2 | 1 |
| 3441834 | 25 | 0,05 | 0,3 | 1 |
| 3441833 | 25 | 0,1 | 0,5 | 1 |
| 3441836 | 50 | 0,1 | 0,5 | 1 |



Batch Certificate

ISO 385

BORO 3.3

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Automatic Burette Class AS, two glass stopcocks

Blue printing

| Reference | Capacity (ml) | Division (ml) | Tolerance ± (ml) | Pack unit |
|-----------|------------------|------------------|---------------------|-----------|
| 3431822 | 10 | 0,02 | 0,2 | 1 |
| 3431827 | 10 | 0,05 | 0,2 | 1 |
| 3431834 | 25 | 0,05 | 0,3 | 1 |
| 3431833 | 25 | 0,1 | 0,5 | 1 |
| 3431836 | 50 | 0,1 | 0,5 | 1 |

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Automatic Burette Class AS, two PTFE stopcocks

Blue printing

| Reference | Capacity (ml) | Division (ml) | Tolerance ± (ml) | Pack unit |
|-----------|------------------|------------------|---------------------|-----------|
| 3451822 | 10 | 0,02 | 0,2 | 1 |
| 3451827 | 10 | 0,05 | 0,2 | 1 |
| 3451834 | 25 | 0,05 | 0,3 | 1 |
| 3451833 | 25 | 0,1 | 0,5 | 1 |
| 3451836 | 50 | 0,1 | 0,5 | 1 |

SODA
LIME

Bottle for burette

| Reference | Capacity (ml) | Glass colour | Pack unit |
|-----------|------------------|-----------------|-----------|
| 4043363N | 2000 | Clear | 1 |
| 4043463N | 2000 | Amber | 1 |

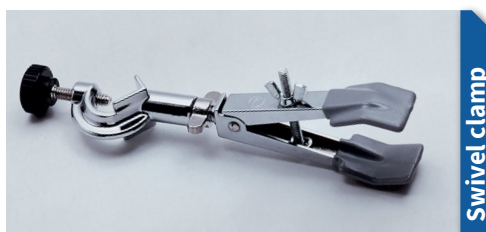
YOU MAY ALSO LIKE:

→ Burette stand, Ø 10 x h. 600 (ref. S6000117)

→ Swivel clamp, Ø 12 to 45 (ref. S7000141)



Burette Stand



Swivel clamp

General laboratory glassware

Desiccator sealing ring with stopcock

| Reference | Size (mm) | Plate | Pack unit |
|-----------|-----------|-----------|-----------|
| 4906019W | 150 | — | 1 |
| 4906031W | 250 | — | 1 |
| 49060191W | 150 | porcelain | 1 |
| 49060311W | 250 | porcelain | 1 |
| 49060192W | 150 | metal | 1 |
| 49060312W | 250 | metal | 1 |



SODA
LIME

Desiccator with stopcock

| Reference | Size (mm) | Plate | Pack unit |
|-----------|-----------|-----------|-----------|
| 4906019 | 150 | — | 1 |
| 4906024 | 200 | — | 1 |
| 4906031 | 250 | — | 1 |
| 4906034 | 300 | — | 1 |
| 49060191 | 150 | porcelain | 1 |
| 49060241 | 200 | porcelain | 1 |
| 49060311 | 250 | porcelain | 1 |
| 49060341 | 300 | porcelain | 1 |
| 49060192 | 150 | metal | 1 |
| 49060242 | 200 | metal | 1 |
| 49060312 | 250 | metal | 1 |
| 49060342 | 300 | metal | 1 |



SODA
LIME

Desiccator with knobbed lid

| Reference | Size (mm) | Plate | Pack unit |
|-----------|-----------|-----------|-----------|
| 4906119 | 150 | — | 1 |
| 4906124 | 200 | — | 1 |
| 4906131 | 250 | — | 1 |
| 4906134 | 300 | — | 1 |
| 49061191 | 150 | porcelain | 1 |
| 49061241 | 200 | porcelain | 1 |
| 49061311 | 250 | porcelain | 1 |
| 49061341 | 300 | porcelain | 1 |
| 49061192 | 150 | metal | 1 |
| 49061242 | 200 | metal | 1 |
| 49061312 | 250 | metal | 1 |
| 49061342 | 300 | metal | 1 |

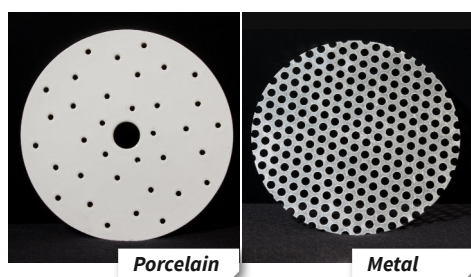


SODA
LIME

SODA
LIME

Desiccator with rotating sleeve valve

| Reference | Size (mm) | Plate | Pack unit |
|-----------|-----------|-----------|-----------|
| 4906519 | 150 | — | 1 |
| 4906524 | 200 | — | 1 |
| 4906531 | 250 | — | 1 |
| 4906534 | 300 | — | 1 |
| 49065191 | 150 | porcelain | 1 |
| 49065241 | 200 | porcelain | 1 |
| 49065311 | 250 | porcelain | 1 |
| 49065341 | 300 | porcelain | 1 |
| 49065192 | 150 | metal | 1 |
| 49065242 | 200 | metal | 1 |
| 49065312 | 250 | metal | 1 |
| 49065342 | 300 | metal | 1 |



Porcelain

Metal

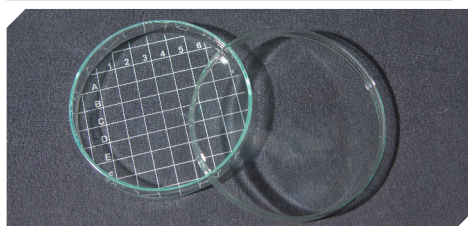
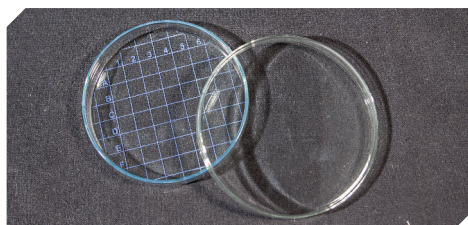
Plates for desiccator

| Reference Metal | Reference Porcelain | Size (mm) | Pack unit |
|-----------------|---------------------|-----------|-----------|
| 4906502 | 4906402 | 150 | 1 |
| 4906504 | 4906404 | 200 | 1 |
| 4906505 | 4906405 | 250 | 1 |
| 4906506 | 4906406 | 300 | 1 |

SODA
LIMEDIN
12341BORO
3.3

Watch glass with glazed rims

| Soda-lime glass | Boro 3.3 glass | Outside Ø (mm) | Pack unit |
|-----------------|----------------|----------------|-----------|
| 4132124 | 4142124 | 40 | 10 |
| 4132132 | 4142132 | 50 | 10 |
| 4132134 | 4142134 | 60 | 10 |
| 4132136 | 4142136 | 70 | 10 |
| 4132141 | 4142141 | 80 | 10 |
| 4132144 | 4142144 | 90 | 10 |
| 4132146 | 4142146 | 100 | 10 |
| 4132150 | 4142150 | 120 | 10 |
| 4132152 | 4142152 | 125 | 10 |
| 4132157 | 4142157 | 150 | 10 |
| 4132161 | 4142161 | 200 | 10 |
| 4132166 | 4142166 | 250 | 10 |

SODA
LIME

Petri dish with colour counting grid

Available in other colours

| White grid | Blue grid | Ø x height (mm) | Pack unit |
|------------|-----------|-----------------|-----------|
| 50585411 | 50585412 | 15 x 60 | 30 |
| 50585431 | 50585432 | 15 x 80 | 36 |
| 50585461 | 50585462 | 15 x 90 | 36 |
| 50585441 | 50585442 | 10 x 100 | 36 |
| 50585451 | 50585452 | 15 x 100 | 36 |
| 50585481 | 50585482 | 20 x 100 | 36 |
| 50585501 | 50585502 | 20 x 120 | 72 |
| 50585581 | 50585582 | 25 x 150 | 36 |
| 50585591 | 50585592 | 30 x 180 | 6 |
| 50585601 | 50585602 | 30 x 200 | 6 |
| 50585611 | 50585612 | 50 x 200 | 6 |

Petri dish

| Reference | Ø x height (mm) | Pack unit |
|-----------|-----------------|-----------|
| 5058501 | 12 x 40 | 40 |
| 5058541 | 15 x 60 | 30 |
| 5058543 | 15 x 80 | 36 |
| 5058546 | 15 x 90 | 36 |
| 5058544 | 10 x 100 | 36 |
| 5058545 | 15 x 100 | 36 |
| 5058548 | 20 x 100 | 36 |
| 5058550 | 20 x 120 | 72 |
| 5058558 | 25 x 150 | 36 |
| 5058559 | 30 x 180 | 6 |
| 5058560 | 30 x 200 | 6 |
| 5058561 | 50 x 200 | 6 |


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LIME

Petri dish borosilicate 3.3

| Reference | Ø x height (mm) | Pack unit |
|-----------|-----------------|-----------|
| 5058641 | 15 x 60 | 28 |
| 5058643 | 15 x 80 | 36 |
| 5058646 | 15 x 90 | 36 |
| 5058645 | 15 x 100 | 36 |
| 5058648 | 20 x 100 | 30 |
| 5058650 | 20 x 120 | 68 |
| 5058658 | 25 x 150 | 36 |
| 5058659 | 30 x 180 | 6 |
| 5058660 | 30 x 200 | 5 |
| 5058661 | 50 x 200 | 5 |



121°C

BORO
3.3

Pasteur pipette

| Reference | Outside Ø (mm) | Length (mm) | Tip | Pack unit |
|-----------|----------------|-------------|--------|-----------|
| 5426015 | 6,5-8 | 145-150 | open | 250 |
| 5426023 | 6,5-8 | 225-230 | open | 250 |
| 5426027 | 6,5-8 | 270 | open | 250 |
| 5426015F | 6,5-8 | 145-150 | closed | 250 |
| 5426023F | 6,5-8 | 225-230 | closed | 250 |
| 5426027F | 6,5-8 | 270 | closed | 250 |


SODA
LIME

Pasteur pipette cotton plugged

| Reference | Outside Ø (mm) | Length (mm) | Tip | Pack unit |
|-----------|----------------|-------------|--------|-----------|
| 5426015C | 6,5-8 | 145-150 | open | 250 |
| 5426023C | 6,5-8 | 225-230 | open | 250 |
| 5426027C | 6,5-8 | 270 | open | 250 |
| 5426015CC | 6,5-8 | 145-150 | closed | 250 |
| 5426023CC | 6,5-8 | 225-230 | closed | 250 |
| 5426027CC | 6,5-8 | 270 | closed | 250 |


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Separating funnel with conical shape

| Reference | Feature | Capacity (ml) | Standard joint (NS) | Bore | Pack unit |
|-----------|-------------------|---------------|---------------------|------|-----------|
| 44108 | glass key | 50 | 19/26 | 2,5 | 1 |
| 44103 | glass key | 100 | 19/26 | 2,5 | 1 |
| 44104 | glass key | 250 | 29/32 | 4 | 1 |
| 44105 | glass key | 500 | 29/32 | 4 | 1 |
| 44106 | glass key | 1000 | 29/32 | 6 | 1 |
| 44113 | glass key | 2000 | 29/32 | 6 | 1 |
| 44808 | PTFE key | 50 | 19/26 | 2,5 | 1 |
| 44803 | PTFE key | 100 | 19/26 | 2,5 | 1 |
| 44804 | PTFE key | 250 | 29/32 | 4 | 1 |
| 44805 | PTFE key | 500 | 29/32 | 4 | 1 |
| 44806 | PTFE key | 1000 | 29/32 | 6 | 1 |
| 44813 | PTFE key | 2000 | 29/32 | 6 | 1 |
| 45112 | PTFE needle-valve | 1000 | 24/29 | 6 | 1 |
| 45113 | PTFE needle-valve | 2000 | 29/32 | 6 | 1 |



ISO
3819

BORO
3.3

Beaker with spout, tall form

Graduated. Available with double scale

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 2111614N | 25 | 10 |
| 2111617N | 50 | 10 |
| 2111624N | 100 | 10 |
| 2111629N | 150 | 10 |
| 2111636N | 250 | 10 |
| 2111641N | 400 | 10 |
| 2111648N | 600 | 10 |
| 2111653N | 800 | 10 |
| 2111654N | 1000 | 10 |
| 2111663N | 2000 | 10 |
| 2111668N | 3000 | 1 |



ISO
3819

BORO
3.3

Beaker with spout, low form

Graduated. Available with double scale

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 2110107N | 5 | 10 |
| 2110108N | 10 | 10 |
| 2110614N | 25 | 10 |
| 2110617N | 50 | 10 |
| 2110624N | 100 | 10 |
| 2110629N | 150 | 10 |
| 2110636N | 250 | 10 |
| 2110641N | 400 | 10 |
| 2110648N | 600 | 10 |
| 2110653N | 800 | 10 |
| 2110654N | 1000 | 10 |
| 2110663N | 2000 | 10 |
| 2110668N | 3000 | 1 |
| 2110673N | 5000 | 1 |
| 2110686N | 10000 | 1 |

Conical pressed measuring flask, raised scale

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 4010114 | 25 | 1 |
| 4010117 | 50 | 1 |
| 4010120 | 60 | 1 |
| 4010124 | 100 | 1 |
| 4010121 | 125 | 1 |
| 4010136 | 250 | 1 |
| 4010144 | 500 | 1 |



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Erlenmeyer flask with wide neck

Graduated

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 2122614N | 25 | 15 |
| 2122617N | 50 | 10 |
| 2122624N | 100 | 10 |
| 2122636N | 250 | 10 |
| 2122644N | 500 | 10 |
| 2122654N | 1000 | 10 |
| 2122663N | 2000 | 10 |



BORO
3.3

Erlenmeyer flask with narrow neck

Graduated

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 2121614N | 25 | 10 |
| 2121617N | 50 | 10 |
| 2121624N | 100 | 10 |
| 2121636N | 250 | 10 |
| 2121644N | 500 | 10 |
| 2121654N | 1000 | 10 |
| 2121663N | 2000 | 10 |
| 2121668N | 3000 | 1 |
| 2121673N | 5000 | 1 |



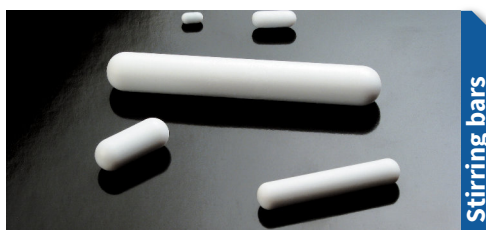
ISO
1773

BORO
3.3

YOU MAY ALSO LIKE:

→ **Magnetic stirring bars**
(ref. 719753)
(available in multiple sizes)

→ **Normax Magnetic stirrer with heating**
(ref. NX10000-01073)
(other models and equipment available)



Stirring bars



Magnetic stirrer

ISO
4797BORO
3.3

Erlenmeyer flask with standard joint

Graduated. Add "T" to the reference to include a PE-HD stopper.

| Reference | Capacity (ml) | Standard joint (NS) | Pack unit |
|-----------|---------------|---------------------|-----------|
| 47104 | 25 | 14/23 | 10 |
| 47105 | 25 | 19/26 | 10 |
| 47106 | 50 | 14/23 | 10 |
| 47107 | 50 | 19/26 | 10 |
| 47108 | 50 | 24/29 | 10 |
| 47109 | 100 | 14/23 | 10 |
| 47110 | 100 | 19/26 | 10 |
| 47111 | 100 | 24/29 | 10 |
| 47112 | 100 | 29/32 | 10 |
| 47115 | 200 | 29/32 | 10 |
| 47116 | 250 | 19/26 | 10 |
| 47117 | 250 | 24/29 | 10 |
| 47118 | 250 | 29/32 | 10 |
| 47127 | 300 | 29/32 | 10 |
| 47119 | 500 | 19/26 | 10 |
| 47120 | 500 | 24/29 | 10 |
| 47121 | 500 | 29/32 | 10 |
| 47122 | 1000 | 24/29 | 10 |
| 47123 | 1000 | 29/32 | 10 |
| 47124 | 1000 | 34/35 | 10 |
| 47125 | 2000 | 29/32 | 10 |
| 47126 | 2000 | 34/35 | 10 |



Red screw-cap with heat resistance up to 180°C

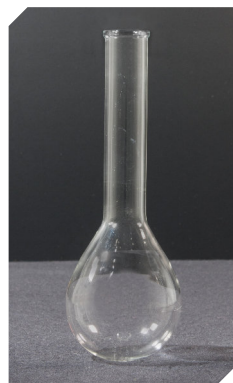
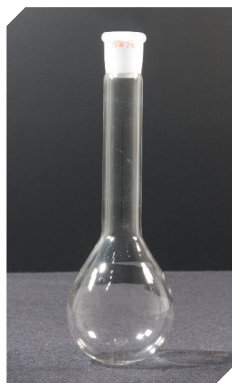
ISO
4796BORO
3.3

180 °C

Erlenmeyer flask with screw-cap

Graduated.

| Reference | Capacity (ml) | Standard joint (NS) | Pack unit |
|-----------|---------------|---------------------|-----------|
| 21803245 | 100 | 25 | 1 |
| 21803365 | 250 | 32 | 1 |
| 21803445 | 500 | 32 | 1 |
| 21803545 | 1000 | 32 | 1 |

DIN
12360BORO
3.3

Kjeldahl flask

Without standard ground joint

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 2123117N | 50 | 1 |
| 2123124N | 100 | 1 |
| 2123136N | 250 | 1 |
| 2123144N | 500 | 1 |
| 2123154N | 1000 | 1 |

With standard ground joint

| Reference | Capacity (ml) | Standard joint (NS) | Pack unit |
|-----------|---------------|---------------------|-----------|
| 47401 | 50 | 19/26 | 1 |
| 47402 | 100 | 19/26 | 1 |
| 47403 | 100 | 24/29 | 1 |
| 47404 | 250 | 24/29 | 1 |
| 47409 | 500 | 19/26 | 1 |
| 47405 | 500 | 24/29 | 1 |
| 47406 | 500 | 29/32 | 1 |
| 47408 | 1000 | 29/32 | 1 |

Flat bottom flask

Wide neck

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 2173117N | 50 | 1 |
| 2173124N | 100 | 1 |
| 2173136N | 250 | 1 |
| 2173144N | 500 | 1 |
| 2173154N | 1000 | 1 |
| 2173163N | 2000 | 1 |

Narrow neck

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 2171117N | 50 | 10 |
| 2171124N | 100 | 10 |
| 2171136N | 250 | 10 |
| 2171144N | 500 | 10 |
| 2171154N | 1000 | 10 |
| 2171163N | 2000 | 10 |
| 2171171N | 4000 | 1 |
| 2171176N | 6000 | 1 |
| 2171186N | 10000 | 1 |


ISO
1773

BORO
3.3

Round bottom flask

Narrow neck

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 2172117N | 50 | 10 |
| 2172124N | 100 | 10 |
| 2172136N | 250 | 10 |
| 2172144N | 500 | 10 |
| 2172154N | 1000 | 10 |
| 2172163N | 2000 | 10 |
| 2172171N | 4000 | 1 |
| 2172176N | 6000 | 1 |
| 2172186N | 10000 | 1 |
| 2172191N | 20000 | 1 |


ISO
1773

BORO
3.3

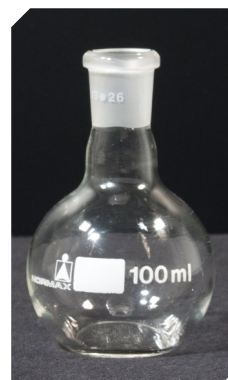
Flask with standard ground joint

Flat bottom

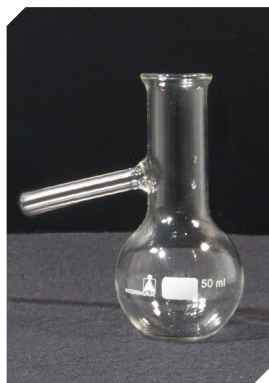
| Reference | Capacity (ml) | Standard joint (NS) | Pack unit |
|-----------|---------------|---------------------|-----------|
| 47001 | 50 | 19/26 | 1 |
| 47002 | 50 | 24/29 | 1 |
| 47003 | 100 | 19/26 | 1 |
| 47004 | 100 | 24/29 | 1 |
| 47005 | 100 | 29/32 | 1 |
| 47006 | 250 | 19/26 | 1 |
| 47007 | 250 | 24/29 | 1 |
| 47008 | 250 | 29/32 | 1 |
| 47009 | 500 | 24/29 | 1 |
| 47010 | 500 | 29/32 | 1 |
| 47012 | 1000 | 24/29 | 1 |
| 47013 | 1000 | 29/32 | 1 |
| 47015 | 2000 | 29/32 | 1 |
| 47016 | 2000 | 34/35 | 1 |

Round bottom

| Reference | Capacity (ml) | Standard joint (NS) | Pack unit |
|-----------|---------------|---------------------|-----------|
| 46803 | 25 | 14/23 | 1 |
| 46804 | 25 | 19/26 | 1 |
| 46805 | 25 | 24/29 | 1 |
| 46806 | 50 | 14/23 | 1 |
| 46807 | 50 | 19/26 | 1 |
| 46808 | 50 | 24/29 | 1 |
| 46824 | 50 | 29/32 | 1 |
| 46809 | 100 | 14/23 | 1 |
| 46810 | 100 | 19/26 | 1 |
| 46811 | 100 | 24/29 | 1 |
| 46812 | 100 | 29/32 | 1 |
| 46813 | 250 | 19/26 | 1 |
| 46814 | 250 | 24/29 | 1 |
| 46820 | 1000 | 29/32 | 1 |
| 46821 | 1000 | 34/35 | 1 |
| 46822 | 2000 | 29/32 | 1 |
| 46823 | 2000 | 34/35 | 1 |


ISO
1773

BORO
3.3

ISO
4796BORO
3.3

Distilling flask Engler

Narrow neck

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 3124317 | 50 | 1 |
| 3124324 | 100 | 1 |
| 3124336 | 250 | 1 |
| 3124344 | 500 | 1 |
| 3124354 | 1000 | 1 |

Available with:

→ 2 or 3 parallel necks (ref. 46301, 46101)

→ 2 or 3 angled necks (ref. 46401, 46201)

DIN
12338BORO
3.3

Crystallising dish borosilicate 3.3

Narrow neck

| With spout | Without spout | Capacity (ml) | Ø x height (mm) | Pack unit |
|------------|---------------|---------------|-----------------|-----------|
| 2131124 | 2131324 | 20 | 40 x 25 | 10 |
| 2131132 | 2131332 | 40 | 50 x 30 | 10 |
| 2131134 | 2131334 | 60 | 60 x 35 | 10 |
| 2131138 | 2131338 | 100 | 70 x 40 | 10 |
| 2131141 | 2131341 | 150 | 80 x 45 | 10 |
| 2131144 | 2131344 | 300 | 95 x 55 | 10 |
| 2131149 | 2131349 | 500 | 115 x 65 | 10 |
| 2131154 | 2131354 | 900 | 140 x 75 | 10 |
| 2131159 | 2131359 | 2000 | 190 x 90 | 10 |
| 2131163 | 2131363 | 3500 | 230 x 100 | 10 |

BORO
3.3

Kipp dispenser NS 29/32

Automatic. 1 litre bottle in soda-lime glass.

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 3030101 | 1 | 1 |
| 3030102 | 2 | 1 |
| 3030107 | 5 | 1 |
| 3030108 | 10 | 1 |
| 3030111 | 15 | 1 |
| 3030112 | 20 | 1 |
| 3030114 | 25 | 1 |
| 3030117 | 50 | 1 |
| 3030124 | 100 | 1 |

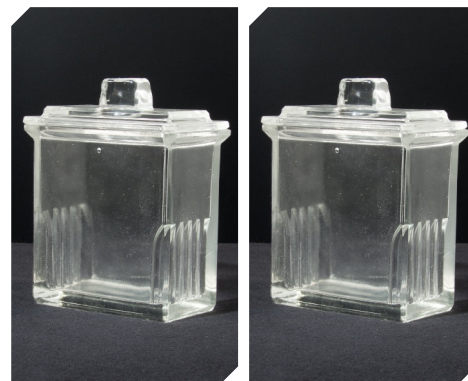
SODA
LIME

Mortar with spout and glass pestle

| Reference | Capacity (ml) | Ø size (mm) | Pack unit |
|-----------|---------------|-------------|-----------|
| 4054117 | 50 | 60 | 1 |
| 4054124 | 100 | 80 | 1 |
| 4054136 | 250 | 100 | 1 |
| 4054144 | 500 | 120 | 1 |
| 4054154 | 1000 | 150 | 1 |
| 4054163 | 2000 | 180 | 1 |

Separating chamber for chromatography

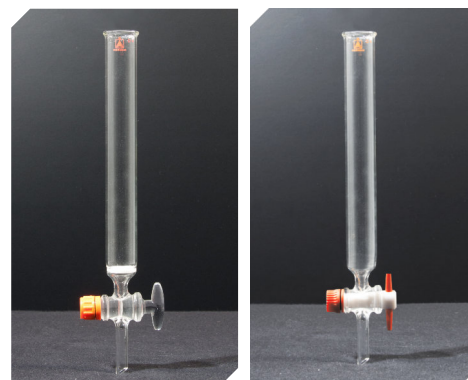
| Reference | Feature | Pack unit |
|-----------|----------------------------------|-----------|
| 4431100 | 1 with grooves - 200 x 200 mm | 1 |
| 4431201 | 2 without grooves - 100 x 100 mm | 1 |
| 4431200 | 2 without grooves - 200 x 200 mm | 1 |


SODA
LIME

Chromatography column, with glass/PTFE stopcock

Available with sintered glass-disc: add the required porosity to the reference

| Reference Glass | Reference PTFE | Internal Ø (mm) | Eff. length (mm) | Pack unit |
|-----------------|----------------|-----------------|------------------|-----------|
| 3437000 | 3447000 | 10 | 100 | 1 |
| 3437001 | 3447001 | 10 | 200 | 1 |
| 3437009 | 3447009 | 15 | 200 | 1 |
| 3437003 | 3447003 | 15 | 400 | 1 |
| 3437002 | 3447002 | 20 | 200 | 1 |
| 3437004 | 3447004 | 20 | 400 | 1 |
| 3437005 | 3447005 | 20 | 600 | 1 |
| 3437006 | 3447006 | 30 | 400 | 1 |
| 3437007 | 3447007 | 30 | 600 | 1 |
| 3437008 | 3447008 | 40 | 800 | 1 |


BORO
3.3

Sedimentation cone according to Imhoff

| Reference | Feature | Capacity (ml) | Eff. length (mm) | Pack unit |
|-----------|---------------------|---------------|------------------|-----------|
| 3720000 | With glass stopcock | 1000 | 120 | 1 |
| 3710000 | Closed tip | 1000 | 120 | 1 |


DIN
12672

Evaporating dish with flat bottom

| Reference | Capacity (ml) | Ø size (mm) | Pack unit |
|-----------|---------------|-------------|-----------|
| 2130124 | 10 | 40 | 10 |
| 2130132 | 15 | 50 | 10 |
| 2130134 | 45 | 60 | 10 |
| 2130138 | 60 | 70 | 10 |
| 2130141 | 90 | 80 | 10 |
| 2130144 | 170 | 95 | 10 |
| 2130149 | 320 | 115 | 10 |
| 2130154 | 600 | 140 | 10 |
| 2130159 | 1500 | 190 | 4 |
| 2130163 | 2500 | 230 | 3 |


BORO
3.3

DIN
12336



BORO
3.3

Weighing boat

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 9065088 | 3 | 1 |
| 9065090 | 5 | 1 |
| 9065185 | 6 | 1 |
| 9065091 | 10 | 1 |
| 9065174 | 15 | 1 |
| 9065175 | 20 | 1 |
| 9065176 | 25 | 1 |
| 9065186 | 40 | 1 |
| 9065187 | 100 | 1 |



BORO
3.3



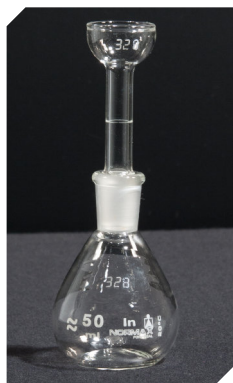
Weighing bottles

Low shape

| Reference | Capacity (ml) | Ø x height (mm) | Pack unit |
|-----------|---------------|-----------------|-----------|
| 3421023 | 10 | 35 x 30 | 1 |
| 3421032 | 20 | 50 x 30 | 1 |
| 3421041 | 60 | 80 x 30 | 1 |

Tall shape

| Reference | Capacity (ml) | Ø x height (mm) | Pack unit |
|-----------|---------------|-----------------|-----------|
| 3421107 | 3,5 | 10 x 80 | 1 |
| 3421113 | 10 | 25 x 40 | 1 |
| 3421118 | 20 | 30 x 50 | 1 |
| 3421123 | 42 | 35 x 70 | 1 |
| 3421124 | 66 | 40 x 80 | 1 |



BORO
3.3



ISO
3507

Pycnometer

For solids

| Reference | Capacity (ml) | Tolerance ± (ml) | Pack unit |
|-----------|---------------|------------------|-----------|
| 3455214 | 25 | 2 | 1 |
| 3455217 | 50 | 3 | 1 |
| 3455221 | 100 | 3 | 1 |
| 3455236 | 250 | - | 1 |
| 3455244 | 500 | - | 1 |
| 3455254 | 1000 | - | 1 |

For liquids according to Gay-Lussac. ISO 3507

| Reference | Capacity (ml) | Tolerance ± (ml) | Pack unit |
|-----------|---------------|------------------|-----------|
| 3455101 | 1 | 0,1 | 1 |
| 3455102 | 2 | 0,3 | 1 |
| 3455107 | 5 | 0,5 | 1 |
| 3455108 | 10 | 1 | 1 |
| 3455114 | 25 | 2 | 1 |
| 3455117 | 50 | 3 | 1 |
| 3455121 | 100 | 3 | 1 |



ISO
3507

Pycnometer for liquids

With thermometer

| Reference | Capacity (ml) | Tolerance ± (ml) | Pack unit |
|-----------|---------------|------------------|-----------|
| 3455108T | 10 | 1 | 1 |
| 3455114T | 25 | 2 | 1 |
| 3455117T | 50 | 3 | 1 |
| 3455121T | 100 | 3 | 1 |

Bell jar

With knob

Reference **Size (mm)** **Pack unit**

1502253 150 x 200 1
1502254 150 x 250 1
1502255 200 x 200 1
1502256 200 x 300 1

Standard joint 29/32

Reference **Capacity (ml)** **Pack unit**

1502153 150 x 200 1
1502154 150 x 250 1
1502155 200 x 200 1
1502156 200 x 300 1



ISO
3507

Alcohol lamp with bakelite cap

Reference **Capacity (ml)** **Outside Ø (mm)** **Pack unit**

4169424 100 70 1



SODA
LIME

Tubes

Centrifuge tube with conical bottom

Neutral glass

Reference **Feature** **Thickness (mm)** **Outside Ø (mm)** **Pack unit**

3017708 plain 0,90 16x110 100
3017711 plain 0,90 17x115 100
3017708G graduated 0,90 16x110 100
3036711 graduated 0,90 17x115 100



Test tube with round bottom, rimless

Neutral glass. Available in flat bottom.

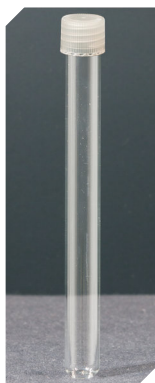
Reference **Thickness (mm)** **Out. Ø x height (mm)** **Pack unit**

5611001 0,60 - 0,80 8 x 70 168
5611003 0,60 - 0,80 10 x 75 100
5611006 0,60 - 0,80 10 x 100 100
5611008 0,80 - 1,00 12 x 75 250
5611011 0,80 - 1,00 12 x 100 100
5611012 0,80 - 1,00 12 x 120 250
5611038 0,80 - 1,00 15 x 150 250
5611037 1,00 - 1,20 16 x 150 100
5611021 1,00 - 1,20 16 x 160 250
5611016 1,00 - 1,20 16 x 100 250
5611023 1,00 - 1,20 18 x 180 100
5611026 1,00 - 1,20 20 x 150 100
5611029 1,00 - 1,20 20 x 200 100
5611034 1,00 - 1,20 22 x 200 80
5611036 1,00 - 1,20 25 x 200 125



Available upon request:

Tubes with "U" and "Y" shape



121°C

Culture tube with screw thread

Neutral glass. Closed top polypropylene. Cap not included, sold separately. Autoclavable.

| Reference | Thickness (mm) | Out. Ø x height (mm) | Thread (GL) | Pack unit |
|-----------|--------------------------------------|----------------------|-------------|-----------|
| 36435125 | 0,80 | 12 x 100 | 12 | 336 |
| 36435165 | 1,00 | 16 x 100 | 18 | 100 |
| 36435305 | 1,00 | 16 x 150 | 18 | 100 |
| 36435215 | 1,00 | 16 x 160 | 18 | 100 |
| 36435235 | 0,95 | 18 x 180 | 18 | 198 |
| 36435245 | 1,00 | 20 x 150 | 18 | 100 |
| 36435295 | 0,95 | 20 x 200 | 18 | 180 |
| 6020007 | Natural plastic cap for culture tube | | | |



Culture tube with screw thread and aluminium cap

Neutral glass.

| Reference | Thickness (mm) | Out. Ø x height (mm) | Thread (GL) | Pack unit |
|-----------|----------------|----------------------|-------------|-----------|
| 36335215 | 0,90 | 16 x 160 | 16 | 265 |
| 36335235 | 0,95 | 18 x 180 | 16 | 220 |



BORO 3.3

Nessler tube, tall form

| Reference | spout | Capacity (ml) | Graduated at (ml) | Out. Ø x height (mm) | Pack unit |
|-----------|-------|---------------|-------------------|----------------------|-----------|
| 5617101 | — | 50 | 50 | 20x300 | 10 |
| 5617102 | — | 100 | 100 | 24x375 | 8 |
| 5617103 | — | 100 | 50-100 | 24x375 | 8 |
| 5617301 | yes | 50 | 50 | 20x300 | 10 |
| 5617302 | yes | 100 | 100 | 24x375 | 8 |
| 5617303 | yes | 100 | 50-100 | 24x375 | 8 |



BORO 3.3

Nessler tube, short form

| Reference | spout | Capacity (ml) | Graduated at (ml) | Out. Ø x height (mm) | Pack unit |
|-----------|-------|---------------|-------------------|----------------------|-----------|
| 5617001 | — | 50 | 50 | 25x375 | 25 |
| 5617002 | — | 100 | 100 | 32x100 | 10 |
| 5617003 | — | 100 | 50-100 | 32x200 | 10 |
| 5617201 | yes | 50 | 50 | 25x175 | 8 |
| 5617202 | yes | 100 | 100 | 32x200 | 8 |
| 5617203 | yes | 100 | 50-100 | 32x200 | 8 |

Nessler tube, with stopper

| Reference | Form | Capacity (ml) | Graduated at (ml) | Standard joint (NS) | Pack unit |
|-----------|-------|---------------|-------------------|---------------------|-----------|
| 5627101 | short | 50 | 50 | 24/29 | 10 |
| 5627104 | short | 50 | 25-50 | 24/29 | 25 |
| 5627103 | short | 100 | 50-100 | 24/29 | 10 |
| 5627301 | tall | 50 | 50 | 16/26 | 8 |


BORO
3.3

Karsten tube, graduated

| Reference | Feature | Pack unit |
|-----------|-------------------------|-----------|
| 9065180 | For horizontal surfaces | 1 |
| 9065120 | For vertical surfaces | 1 |



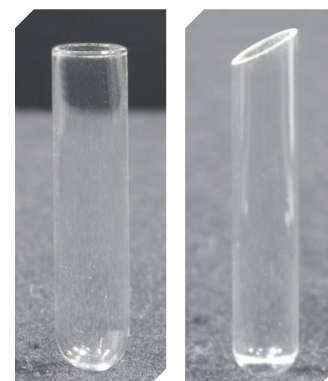
Durham tube

Without bevel edge

| Reference | Out. Ø x height (mm) | Pack unit |
|-----------|----------------------|-----------|
| 5611204 | 6x20 | 100 |
| 5611205 | 6x30 | 100 |
| 5611206 | 6x40 | 100 |
| 5611201 | 6x50 | 100 |
| 5611207 | 7x30 | 100 |
| 5611202 | 7x35 | 100 |
| 5611208 | 7x40 | 100 |
| 5611209 | 8x30 | 100 |
| 5611203 | 10x45 | 100 |

With bevel edge

| Reference | Out. Ø x height (mm) | Pack unit |
|-----------|----------------------|-----------|
| 5612001 | 6x50 | 100 |
| 5612002 | 7x35 | 100 |
| 5612003 | 10x45 | 100 |


SODA
LIME

Digestion tube

Tube with rim, round bottom

| Reference | Feature | Out. Ø x height (mm) | Pack unit |
|-----------|----------------------------------|----------------------|-----------|
| 9065142 | Straight neck | 40 x 298 | 1 |
| 9065199 | Constricted neck | 40 x 298 | 1 |
| 9065198 | Constricted neck with graduation | 40 x 298 | 1 |

*Other sizes available by request


BORO
3.3

Microscopy and Microbiology

ISO
8037-1

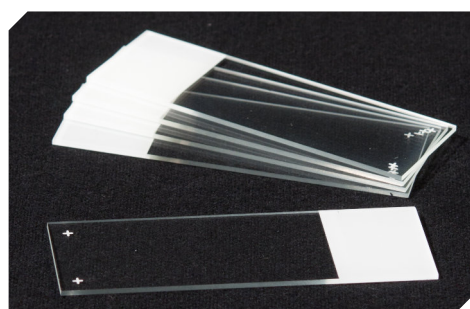
Microscope slide

Size: 76 x 26 mm

| Reference | Thickness (mm) | Features | Pack unit |
|-----------|----------------|---|-----------|
| 5470117C | 1 - 1,11 | Cut edges | 50 |
| 5470207C | 1 - 1,11 | Ground edges | 50 |
| 5470307C | 1 - 1,11 | Ground edges, frosted end 20mm (top and bottom) | 50 |

Tropical packing* (available upon request)

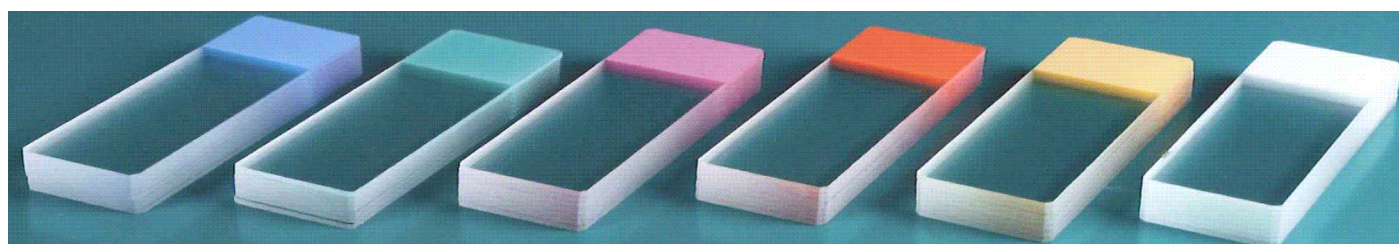
*slides individually paper interleaved



Normafrost slides

Size: 76 x 26 mm

| Reference | Colour | Features | Pack unit |
|-----------|--------|----------------------------------|-----------|
| 5471101 | white | 90° angled, positive charged | 72 |
| 5471201 | white | 90° angled, Polysine® pre-coated | 72 |
| 5471301 | white | 90° angled, silane pre-coated | 72 |
| 5471001 | white | 90° angled | 50 |
| 5471002 | white | 45° angled | 50 |
| 5471003 | orange | 90° angled | 50 |
| 5471004 | orange | 45° angled | 50 |
| 5471005 | green | 90° angled | 50 |
| 5471006 | green | 45° angled | 50 |
| 5471007 | pink | 90° angled | 50 |
| 5471008 | pink | 45° angled | 50 |
| 5471009 | blue | 90° angled | 50 |
| 5471010 | blue | 45° angled | 50 |
| 5471011 | yellow | 90° angled | 50 |
| 5471012 | yellow | 45° angled | 50 |



Microscope cover glasses

Optical glass, thickness 0,12 - 0,17 mm

| Reference | Length x width (mm) | Pack unit | Reference | Length x width (mm) | Pack unit |
|-----------|---------------------|-----------|-----------|---------------------|-----------|
| 5470001 | 12 x 12 | 100 | 5470023 | 22 x 64 | 100 |
| 5470002 | 12 x 23 | 100 | 5470006A | 24 x 24 | 5 x 200 |
| 5470003A | 18 x 18 | 5 x 200 | 5470007A | 24 x 32 | 5 x 100 |
| 5470010 | 18 x 24 | 100 | 5470014 | 24 x 36 | 100 |
| 5470004A | 20 x 20 | 5 x 200 | 5470015A | 24 x 40 | 5 x 100 |
| 5470020 | 20 x 24 | 100 | 5470008A | 24 x 50 | 5 x 100 |
| 5470011 | 21 x 26 | 100 | 5470016A | 24 x 60 | 100 |
| 5470005A | 22 x 22 | 5 x 200 | 5470017 | 25 x 40 | 100 |
| 5470012 | 22 x 32 | 100 | 5470018 | 25 x 50 | 100 |
| 5470013 | 22 x 40 | 100 | 5470019 | 25 x 60 | 100 |
| 5470021A | 22 x 50 | 5 x 100 | 5470024 | 10 x 10 | 100 |
| 5470022 | 22 x 60 | 100 | | | |

ISO
8255-1

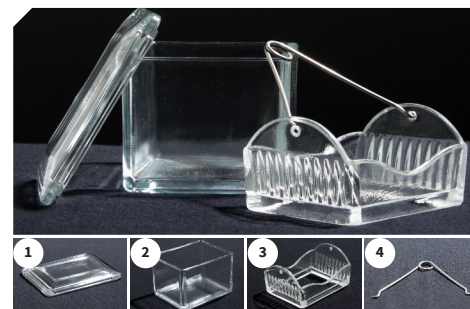
Staining jar

| Reference | Type | For slides | Pack unit |
|-----------|-----------------|------------|-----------|
| 4430700 | Schiefferdecker | 10 | 1 |
| 4431000 | Hellendahl | 8 | 1 |
| 4430800 | Coplin | 5 | 1 |



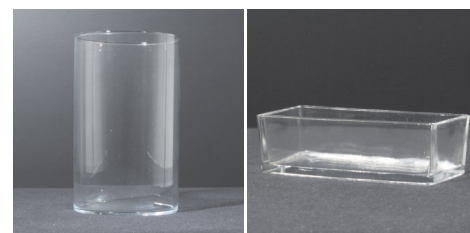
Staining jar

| Reference | Type | For slides | Pack unit |
|-----------|-------------------------------------|------------|-----------|
| 4430900 | Complete set | 10 | 1 |
| 4430901 | [1] Cover | – | 1 |
| 4430902 | [2] Dish | – | 1 |
| 4430903 | [1][2] Cover and dish | – | 1 |
| 4430907 | [3] Glass tray | 10 | 1 |
| 4430905 | [4] Metal handle | – | 1 |
| 4430904 | [3][4] Glass tray with metal handle | 10 | 1 |



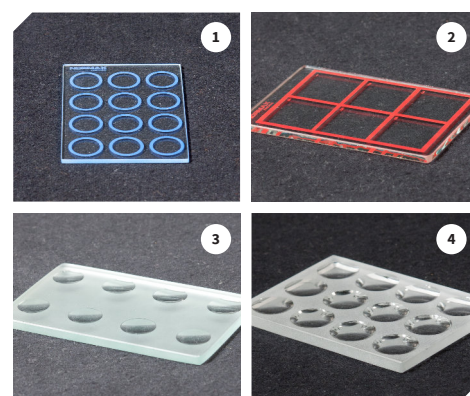
Staining trough

| Reference | Description | Size (mm) | Pack unit |
|-----------|-----------------|----------------|-----------|
| 4431102 | [1] Cylindrical | 100 x 210 | 1 |
| 9095022 | [1] Cylindrical | 125 x 210 | 1 |
| 9095034 | [2] Rectangular | 100 x 40 x 45 | 1 |
| 4430600 | [2] Rectangular | 140 x 70 x 45 | 1 |
| 4430601 | [2] Rectangular | 200 x 100 x 50 | 1 |



Plates

| Reference | Features | Size (mm) | Pack unit |
|-----------|---|-----------|-----------|
| 9075005 | [1] 12 blue printing rings Ø 13-14mm | 76 x 52 | 1 |
| 9075001 | [2] 5 divisions, red printing | 77 x 54 | 50 |
| 4420511 | [3] 8 cavities, approx. Ø16mm | 110 x 70 | 1 |
| 4420207 | [4] 12 cavities, approx. Ø16mm x 1,5 mm depth | 80 x 60 | 20 |



Microflocculation plate

Size: 76 x 26 mm

| Reference | Features | Size (mm) | Pack unit |
|-----------|--|-----------|-----------|
| 9095075 | 2 cavities, overflow grooves, approx. Ø15mm x 1,5 mm depth | 76 x 52 | 1 |



Filtration

ISO
8037-1

Gas wash flask, with standard ground joint 29/32

Replace "X" with the required porosity. Other sizes and shapes available by request.

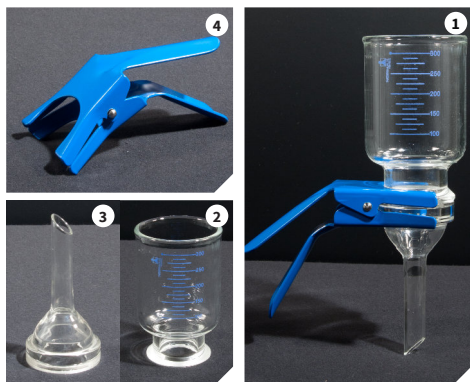
| Reference | Porous plate | Capacity (ml) | Porosity | Pack unit |
|-----------|--------------|---------------|----------|-----------|
| 3480900 | — | 100 | 1 - 4 | 1 |
| 3481000 | — | 250 | 1 - 4 | 1 |
| 3481100 | — | 500 | 1 - 4 | 1 |
| 3678000 | — | head | 1 - 4 | 1 |
| 357010X | yes | 100 | 1 - 4 | 1 |
| 357020X | yes | 250 | 1 - 4 | 1 |
| 357030X | yes | 500 | 1 - 4 | 1 |
| 3678000X | yes | head | 1 - 4 | 1 |



Filter pump

Water flow: 300 L/h. Water/pressure: 1,2 min

| Reference | Feature | Length (mm) | Pack unit |
|-----------|-----------------------|-------------|-----------|
| 3436299 | With non-return valve | 100 | 2 |
| 3436199 | With non-return valve | 250 | 2 |



Filtration set

Rubber stoppers with hole available

| Reference | Feature | Pack unit |
|-----------|-----------------------------|-----------|
| 9060001 | [1] complete set | 1 |
| 9060027 | [2] beaker graduated | 1 |
| 9060028 | [3] funnel, porous plate G4 | 1 |
| 6507003 | [4] clamp | 1 |

Filtration set with vacuum pump

Complete your filtration set with:

- **Vacuum pump** (ref. S5910100) (Other models available)
- **Kitasako flask** (ref. 2120154N)
- **Rubber stopper with hole** (ref. CD02161)



Kitasato flask

With hose connection for vacuum use

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 2120124N | 100 | 10 |
| 2120136N | 250 | 10 |
| 2120144N | 500 | 10 |
| 2120154N | 1000 | 10 |
| 2120163N | 2000 | 10 |



Retrace
code

BORO
3.3

Kitasato bottle

With hose connection for vacuum use

| Reference | Capacity (ml) | Out. Ø x height (mm) | Pack unit |
|-----------|---------------|----------------------|-----------|
| 2119168 | 3000 | 170 x 295 | 1 |
| 2119173 | 5000 | 185 x 360 | 1 |
| 2119186 | 10000 | 240 x 420 | 1 |
| 2119188 | 15000 | 255 x 500 | 1 |
| 2119191 | 20000 | 290 x 535 | 1 |



ISO
6556

BORO
3.3

Filter crucible

Replace X by the required porosity. Available in other sizes and specifications.

| Reference | Capacity (ml) | Porosity | Plate Ø (mm) | Identif. (D) | Pack unit |
|-----------|---------------|----------|--------------|--------------|-----------|
| 258510X | 8 | 0 - 5 | 20 | 63 | 1 |
| 258511X | 15 | 0 - 5 | 23 | 10 | 1 |
| 258512X | 30 | 0 - 5 | 30 | 1 | 1 |
| 258513X | 50 | 0 - 5 | 40 | 2 | 1 |
| 9065115 | 30 | 2 | 30 | — | 1 |

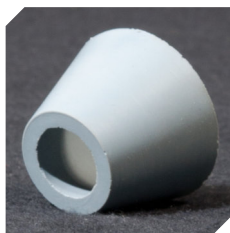


BORO
3.3

Rubber sleeve for filter crucible

| Reference | Outside Ø (mm) | Adapter Ø (mm) | Pack unit |
|-----------|----------------|----------------|-----------|
| 2920114 | 26 | 27 | 10 |
| 2920126 | 41 | 41 | 10 |

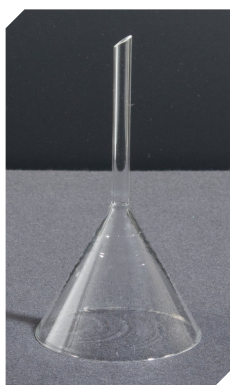




Guko

| Reference | Outside Ø (mm) | Adapter Ø (mm) | Pack unit |
|-----------|----------------|----------------|-----------|
| 2920212 | 12 | 22 | 10 |
| 2920217 | 16 | 29 | 10 |
| 2920223 | 22 | 36 | 10 |
| 2920227 | 29 | 44 | 10 |
| 2920232 | 33 | 53 | 10 |
| 2920236 | 43 | 63 | 10 |
| 2920239 | 52 | 73 | 10 |
| 2920243 | 61 | 84 | 10 |
| 2920200* | 12 - 61 | 22 - 84 | 1 |

*Guko set (8)



ISO
4798

Funnel short stem

Available with porous plate and for powder

| Reference | Top Out. Ø (mm) | Glass | Pack unit |
|-----------|-----------------|---------------------------|-----------|
| 3135120 | 30 | borosilicate 3.3(non ISO) | 100 |
| 3135123 | 35 | borosilicate 3.3 | 100 |
| 3135125A | 40 | borosilicate 3.3(non ISO) | 100 |
| 3135128 | 45 | borosilicate 3.3 | 100 |
| 3135130A | 50 | borosilicate 3.3(non ISO) | 100 |
| 3135133A | 55 | borosilicate 3.3 | 100 |
| 3135137A | 60 | borosilicate 3.3(non ISO) | 75 |
| 3135138A | 70 | borosilicate 3.3 | 80 |
| 3135140A | 75 | borosilicate 3.3(non ISO) | 60 |
| 3135141A | 80 | borosilicate 3.3 | 30 |
| 3135143 | 85 | borosilicate 3.3(non ISO) | 40 |
| 3135146A | 100 | borosilicate 3.3 | 20 |
| 3135147 | 110 | borosilicate 3.3(non ISO) | 10 |
| 3135148 | 120 | borosilicate 3.3(non ISO) | 15 |
| 3135157 | 150 | borosilicate 3.3 | 10 |
| 3135159 | 180 | soda-lime(non ISO) | 2 |



ISO
4798

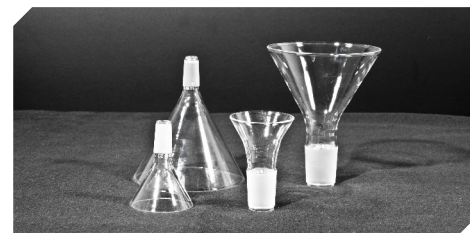
BORO
3.3

Funnel long stem

| Reference | Top Out. Ø (mm) | Pack unit |
|-----------|-----------------|-----------|
| 3135328 | 45 | 100 |
| 3135330 | 50 | 100 |
| 3135333 | 55 | 30 |
| 3135338 | 70 | 5 |
| 3135341 | 80 | 5 |
| 3135346 | 100 | 1 |

Funnel standard ground joint

| Reference | Ø size (mm) | Standard joint (NS) | Pack unit |
|-----------|-------------|---------------------|-----------|
| 3135120J | 30 | 7/16 | 1 |
| 3135125J | 40 | 10/19 | 1 |
| 3135130J | 50 | 12/21 | 1 |
| 3135138J | 70 | 14/23 | 1 |
| 3135146J | 100 | 19/26 | 1 |
| 3135170J | 100 | 24/29 | 1 |
| 3135171J | 100 | 29/32 | 1 |



Funnel for filtration, with porous plate

Replace X by the required porosity.

| Reference | Capacity (ml) | Porosity | Identif. (D) | Plate Ø (mm) | Pack unit |
|-----------|---------------|----------|--------------|--------------|-----------|
| 358520X | 50 | 1 - 4 | 3 | 35 | 10 |
| 358521X | 75 | 1 - 4 | 11 | 45 | 10 |
| 358522X | 125 | 1 - 4 | 17 | 60 | 10 |
| 358523X | 500 | 1 - 4 | 25 | 95 | 10 |
| 358524X | 1000 | 1 - 4 | 26 | 120 | 10 |
| 358526X | 4000 | 1 - 4 | 151 | 175 | 10 |



Büchner funnel

| Reference | Capacity (ml) | Plate Ø (mm) | Outside stem Ø (mm) | Pack unit |
|-----------|---------------|--------------|---------------------|-----------|
| 2134122 | 70 | 48 | 10 | 1 |
| 2134128 | 125 | 60 | 10 | 1 |
| 2134134 | 220 | 73 | 18 | 1 |
| 2134144 | 500 | 95 | 22 | 1 |
| 2134154 | 1000 | 120 | 22 | 1 |



Bottles

BOD bottle, with interchangeable stopper

| Reference | Capacity (ml) | GL | Pack unit |
|-----------|---------------|-------|-----------|
| 9060067 | 300 | — | 1 |
| 9060066 | 165 | 24/29 | 1 |
| 9060049 | 292 | 24/29 | 1 |

For incubating diluted samples of clean water, waste water, effluent water and polluted water during the 5 day biochemical oxygen demand (BOD) test.

This test is used to determine the relative oxygen requirements of the tested sample.



Retrace
codeISO
4796BORO
3.3A
140°C

Laboratory bottle, with blue screw cap

Clear glass

| Reference | Capacity (ml) | GL | Pack unit |
|-----------|------------------|----|-----------|
| 21801145 | 25 | 25 | 10 |
| 21801175 | 50 | 32 | 10 |
| 21801245 | 100 | 45 | 10 |
| 21801365 | 250 | 45 | 10 |
| 21801445 | 500 | 45 | 10 |
| 21801545 | 1000 | 45 | 10 |
| 21801635 | 2000 | 45 | 10 |
| 21801735 | 5000 | 45 | 6 |
| 21801865 | 10000 | 45 | 1 |

Retrace
codeISO
4796BORO
3.3

180°C

Laboratory bottle, with red screw cap

Clear glass

| Reference | Capacity (ml) | GL | Pack unit |
|-----------|------------------|----|-----------|
| 21802145 | 25 | 25 | 10 |
| 21802175 | 50 | 32 | 10 |
| 21802245 | 100 | 45 | 10 |
| 21802365 | 250 | 45 | 10 |
| 21802445 | 500 | 45 | 10 |
| 21802545 | 1000 | 45 | 10 |
| 21802635 | 2000 | 45 | 10 |
| 21802735 | 5000 | 45 | 6 |
| 21802865 | 10000 | 45 | 1 |

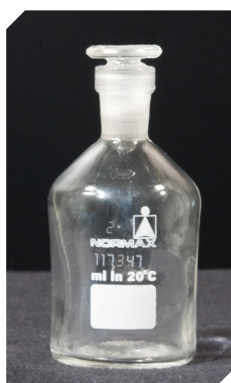
Retrace
codeISO
4796BORO
3.3

140°C

Laboratory bottle, with blue screw cap

Amber glass

| Reference | Capacity (ml) | GL | Pack unit |
|-----------|------------------|----|-----------|
| 21804145 | 25 | 25 | 10 |
| 21804175 | 50 | 32 | 10 |
| 21804245 | 100 | 45 | 10 |
| 21804365 | 250 | 45 | 10 |
| 21804445 | 500 | 45 | 10 |
| 21804545 | 1000 | 45 | 10 |
| 21804635 | 2000 | 45 | 10 |
| 21804735 | 5000 | 45 | 6 |
| 21804865 | 10000 | 45 | 1 |

SODA
LIME

Winkler bottle

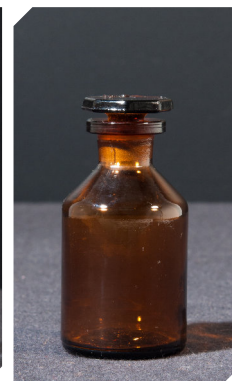
Calibrated

| Reference | Capacity (ml) | Glass | Pack unit |
|-----------|------------------|-------|-----------|
| 4471024 | 100 | clear | 1 |
| 4471036 | 250 | clear | 1 |
| 4471039 | 300 | clear | 1 |
| 4471136 | 250 | amber | 1 |

Reagent bottle, narrow neck

With stopper

| Clear glass | Amber glass | Capacity (ml) | Standard joint (NS) | Pack unit |
|-------------|-------------|---------------|---------------------|-----------|
| 4116517 | 4116817 | 50 | 12/21 | 48 |
| 4116524 | 4116824 | 100 | 14/23 | 48 |
| 4116536 | 4116836 | 250 | 19/26 | 30 |
| 4116544 | 4116844 | 500 | 24/29 | 9 |
| 4116554 | 4116854 | 1000 | 29/32 | 12 |

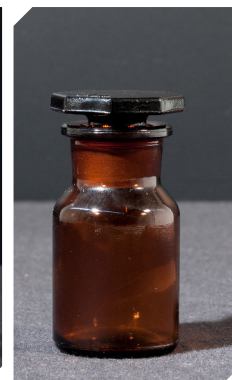


SODA
LIME

Reagent bottle, wide neck

With stopper

| Clear glass | Amber glass | Capacity (ml) | Standard joint (NS) | Pack unit |
|-------------|-------------|---------------|---------------------|-----------|
| 4118517 | 4118817 | 50 | 12/21 | 48 |
| 4118524 | 4118824 | 100 | 14/23 | 48 |
| 4118536 | 4118836 | 250 | 19/26 | 30 |
| 4118544 | 4118844 | 500 | 24/29 | 9 |
| 4118554 | 4118854 | 1000 | 29/32 | 12 |



SODA
LIME

Screw neck bottle PP 28

Clear glass

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 4040014 | 60 | 7620 |
| 4040011 | 100 | 86 |
| 4040013 | 200 | 4680 |
| 4040008 | 250 | 60 |
| 4040009 | 500 | 1750 |
| 4040010 | 1000 | 480 |

Amber glass

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 4040016 | 30 | 117 |
| 4040007 | 60 | 160 |
| 4040006 | 100 | 104 |
| 4040004 | 200 | 67 |
| 4040003 | 250 | 60 |
| 4040002 | 500 | 35 |
| 4040001 | 1000 | 20 |

Tamper proof available (pag. 40)



SODA
LIME

Screw neck bottle PP 18

Amber glass

| Reference | Capacity (ml) | Pack unit |
|-----------|---------------|-----------|
| 4040019 | 5 | 255 |
| 4040020 | 10 | 192 |
| 4040021 | 20 | 156 |
| 4040022 | 30 | 110 |
| 4040023 | 50 | 105 |
| 4040024 | 100 | 68 |

Tamper proof available (pag. 40)



SODA
LIME



Tamper proof cap

White colour

| Reference | PP | Description | Pack unit |
|-----------|----|-------------|-----------|
| 6508003 | 18 | With hole | 1 |
| 6508004 | 18 | closed | 1 |
| 6020006 | 28 | closed | 1 |



BORO
3.3

Standard ground joint bottle

| Reference | Stopcock | Capacity (ml) | Pack unit |
|-----------|----------|---------------|-----------|
| 2470144 | yes | 500 | 4 |
| 2470154 | yes | 1000 | 1 |
| 2470163 | yes | 2000 | 1 |
| 2470400 | yes | 5000 | 1 |
| 2470500 | yes | 10000 | 1 |
| 2470501 | yes | 15000 | 1 |
| 2470700 | yes | 20000 | 1 |
| 2116273 | — | 5000 | 1 |
| 2116286 | — | 10000 | 1 |
| 2116291 | — | 20000 | 1 |



BORO
3.3



Dropping bottle, PP18

White rubber

| Reference | Description | Capacity (ml) | Pipette | Pack unit |
|-----------|--------------------------------------|---------------|-----------|-----------|
| 4121812 | Screw-cap, pipette and rubber sucker | 10 | 7,25 x 58 | 1 |
| 4121814 | Screw-cap, pipette and rubber sucker | 20 | 7 x 70 | 1 |
| 4121815 | Screw-cap, pipette and rubber sucker | 30 | 7 x 78 | 1 |
| 4121817 | Screw-cap, pipette and rubber sucker | 50 | 7 x 89 | 1 |
| 4121824 | Screw-cap, pipette and rubber sucker | 100 | 7 x 103 | 1 |
| 4121813 | Tamper proof cap | 10 | 7 x 64 | 10 |
| 4121816 | Tamper proof cap | 30 | 7 x 78 | 10 |
| 4121819 | Tamper proof cap | 50 | 7 x 89 | 10 |
| 4121823 | Tamper proof cap | 100 | 7 x 103 | 10 |

Black rubber sucker available. Clear glass on request



BORO
3.3

Roux bottle

| Reference | Capacity (ml) | Length x width (mm) | Pack unit |
|-----------|---------------|---------------------|-----------|
| 2154158 | 1200 | 260 x 122 | 10 |

Pharmaceutical Industry

Snap seal vial

Clear neutral glass. Contact us for other sizes and specifications

| Reference | Out. Ø x height (mm) | Pack unit |
|-----------|----------------------|-----------|
| 3401047 | 10,25 x 47,0 | 800 |
| 3401232 | 11,75 x 32,0 | 806 |
| 3401355 | 13,75 x 55,0 | 840 |
| 3401554 | 15,75 x 54,0 | 437 |
| 3401641 | 16,50 x 41,5 | 396 |
| 3401670 | 16,75 x 70,0 | 396 |
| 3402040 | 20,50 x 40,0 | 255 |
| 3402240 | 22,50 x 40,0 | 216 |
| 3402246 | 22,50 x 46,0 | 216 |
| 3402954 | 29,25 x 54,0 | 120 |
| 3402976 | 29,25 x 76,0 | 120 |
| 3402910 | 29,25 x 105,0 | 120 |



Vial

Amber glass

| Reference | Screw neck | Out. Ø x height (mm) | Pack unit |
|-----------|------------|----------------------|-----------|
| 3402453B | — | 24,50 x 58 | 168 |
| 3402954B | — | 29,25 x 54 | 120 |
| 3401658 | yes | 16,75 x 58 | 418 |
| 3402448 | yes | 24,50 x 48 | 180 |
| 3402452 | Yes | 24,50 x 52 | 168 |



Dropping pipette

Printing and other sizes or shapes available on request.

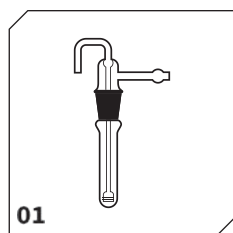
| Reference | Feature | Ø x length (mm) | Pack unit |
|-----------|----------------|-----------------|-----------|
| 5400958 | [1] Turned end | 6,5 x 58 | 160 |
| 5400960 | [1] Turned end | 6,5 x 60 | 3500 |
| 5400770 | [1] Turned end | 7 x 70 | 4000 |
| 5400776 | [1] Turned end | 7 x 78 | 3000 |
| 5400911 | [1] Turned end | 7 x 89 | 1000 |
| 5400789 | [1] Turned end | 7 x 89 | 2000 |
| 5400910 | [1] Turned end | 7 x 103 | 2500 |
| 5400536 | [2] With curve | 5 x 36,5 | 10000 |
| 5400541 | [2] With curve | 5,2 x 41 | 10000 |
| 5400643* | [2] With curve | 6,25 x 44,5 | 6000 |
| 5400665* | [2] With curve | 6,25 x 63 | 4000 |
| 5400745 | [2] With curve | 6,5 x 65 | 6000 |
| 5400764 | [2] With curve | 6,5 x 45 | 4000 |
| 5400664 | [2] With curve | 7 x 65 | 4000 |
| 5400750 | [2] With curve | 7 x 50 | 4000 |
| 5400767 | [3] With ball | 7 x 55 | 4000 |
| 5400760** | [3] With ball | 7 x 60 | 4000 |
| 5400766 | [3] With ball | 7 x 63 | 3000 |
| 5400765 | [3] With ball | 7 x 65 | 3000 |
| 5400777 | [3] With ball | 7 x 77 | 3000 |
| 5400790 | [3] With ball | 7 x 90 | 3000 |
| 5400711 | [3] With ball | 7 x 110 | 3000 |
| 5400714 | [3] With ball | 7 x 140 | 2400 |

*Neutral glass **pipette curve

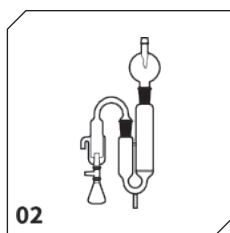


SODA
LIME

ASTM Products



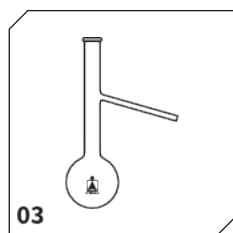
01



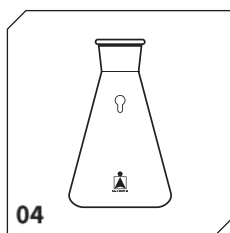
02

01 Apparatus for oil filtration acc. ASTM D 721

| Reference | Joint | Feature |
|-----------|----------------|----------|
| 535 | — | complete |
| 53500 | 24/29 (socket) | tube |



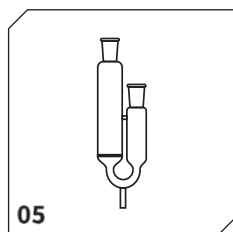
03



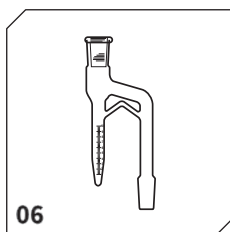
04

02 Sulfur determination apparatus acc. ASTM D 1266

| Reference | Joint | Feature |
|-----------|---------------|-------------------------|
| 534 | — | complete |
| 63500 | — | absorber |
| 63600 | 24/29 | trap |
| 63800 | 14/23 | Erlenmeyer flask, 25 ml |
| 63400 | 14/23 24/29 | chimney |
| 63700 | 14/23 | Burner, 25 ml |



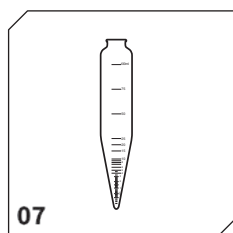
05



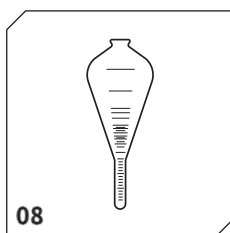
06

03 Engler flasks according to ASTM E 133

| Reference | Flask (ml) | Extractor (mm) | Ø Internal neck (mm) | Ø external flask (mm) | Ø external hose (mm) |
|-----------|------------|----------------|----------------------|-----------------------|----------------------|
| 61001 | 100 | 100 x 215 | 16 | 65 | 6 |
| 61002 | 125 | 100 x 215 | 17 | 68 | 7 |
| 61003 | 200 | 127 x 179 | 21 | 73 | 7 |
| 61004 | 250 | 100 x 215 | 15 | 86 | 6 |



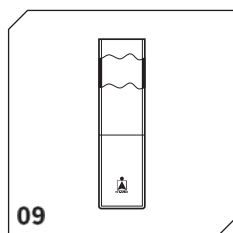
07



08

04 Erlenmeyer flask ground joint according to ASTM D 1266

| Reference | Capacity (ml) | Size (mm) | Feature |
|-----------|---------------|-----------|---------|
| 63800 | 25 | 14/23 | D 1266 |



09

05 ASTM D 1266 - Absorber

| Reference | Capacity (ml) |
|-----------|---------------|
| 63500 | 24/29 |

06 ASTM E 123 - Trap (style A)

| Reference | Capacity (ml) | Joint |
|-----------|---------------|-------|
| 64101 | 10 | 24/29 |
| 64102 | 25 | 24/29 |

07 ASTM D1796 - centrifuge tube

| Reference | Capacity (ml) |
|-----------|---------------|
| 63200 | 100 |

08 ASTM D1796 - centrifuge tube, pear shape

| Reference | Capacity (ml) |
|-----------|---------------|
| 9065082 | 100 |

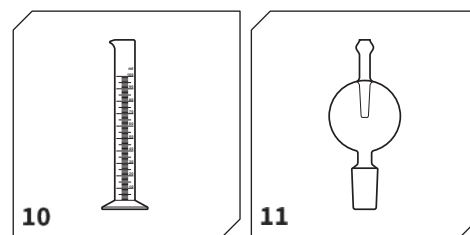
09 ASTM D 97 - Pour point jar

| Reference | Feature | Outside Diam.(mm) |
|-----------|-----------|-------------------|
| 64700 | 115 - 125 | 30 - 33.5 |

Measuring cylinder

10 ASTM E 133 - with spout

| Reference | Capacity (ml) |
|-----------|---------------|
| 62014 | 25 |
| 62024 | 100 |
| 62034 | 200 |



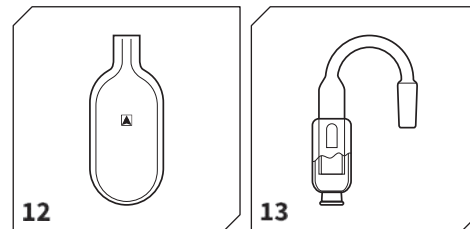
Trap

11 ASTM D 1266 - With ground

| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 63600 | 65 | 24/29 |

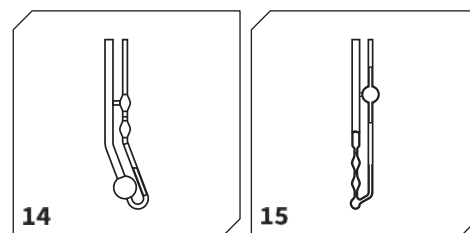
12 ASTM D 524 - Bulb

| Reference | Capacity (ml) | Height (mm) |
|-----------|---------------|-------------|
| 62500 | 24 - 25 | 56 - 58 |



13 ASTM D 1266 - Chimney

| Reference | Socket joint | Socket joint |
|-----------|--------------|--------------|
| 63400 | 14/23 | 24/29 |



Viscometer

14 Cannon-Fenske ASTM D 445 + ASTM D 446, ISO 3104 + ISO 3105 for transparent liquids

| Reference | Capacity (ml) | Out. diam. x height (mm) | Viscosity range in cSt |
|-----------|---------------|--------------------------|------------------------|
| S5600050 | 25 | 0,002 | 0,4 - 1,6 |
| S5600051 | 50 | 0,004 | 0,8 - 3,2 |
| S5600052 | 75 | 0,008 | 1,6 - 6,4 |
| S5600053 | 100 | 0,015 | 3 - 15 |
| S5600054 | 150 | 0,035 | 7 - 35 |
| S5600055 | 200 | 0,1 | 20 - 100 |
| S5600056 | 300 | 0,25 | 50 - 200 |
| S5600057 | 350 | 0,5 | 100 - 500 |
| S5600058 | 400 | 1,2 | 240 - 1200 |
| S5600059 | 450 | 2,5 | 500 - 2500 |
| S5600060 | 500 | 8 | 1600 - 8000 |
| S5600061 | 600 | 20 | 4000 - 20000 |

15 Cannon-Fenske ASTM D 445 + ASTM D 446, ISO 3104 + ISO 3105 for opaque or transparent liquids

| Reference | Size (mm) | Nominal Constant | Viscosity range in cSt |
|-----------|-----------|------------------|------------------------|
| S5600065 | 25 | 25 | 0,4 - 1,6 |
| S5600066 | 50 | 50 | 0,8 - 3,2 |
| S5600067 | 75 | 75 | 1,6 - 6,4 |
| S5600068 | 100 | 100 | 3 - 15 |
| S5600069 | 150 | 150 | 7 - 35 |
| S5600070 | 200 | 200 | 20 - 100 |
| S5600071 | 300 | 300 | 50 - 200 |
| S5600072 | 350 | 350 | 100 - 500 |
| S5600073 | 400 | 400 | 240 - 1200 |
| S5600074 | 450 | 450 | 500 - 2500 |
| S5600075 | 500 | 500 | 1600 - 8000 |
| S5600076 | 600 | 600 | 4000 - 20000 |

Apparatus




16 Normax Water Still CE

Reference

520

Model L304

- Distillate output 4 litre/hour
- Automatic control system
- Quartz heater
- Boro glass components
- Easy maintenance
- EU directive compliant

General data

| | |
|--------------|--------------------|
| W. x L. x H. | 600 x 175 x 460 mm |
| Weight | ~7,9 kg |

Distilled water quality

| | |
|--------------|-------------|
| pH | 5,50-6,60 |
| conductivity | 1 - 5 |
| Pyrogen free | yes |
| temperature | 25°C - 30°C |

Required conditions

| | |
|-----------------|-----------------------|
| power | 2,6 kW |
| Electrical data | 200/240V ~56-60hz 16A |
| Water pressure | 1,5 kg/cm2 |
| Cold water | 1 L/min. |

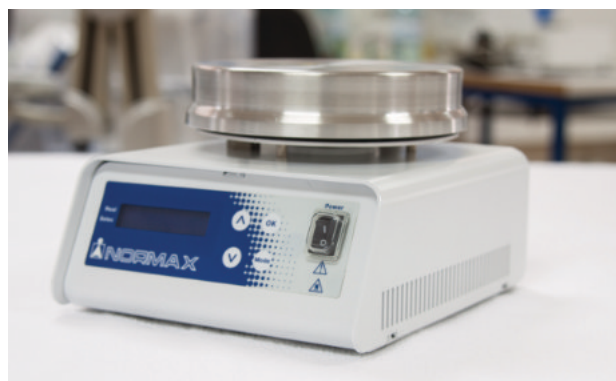


17 Apparatus for the detection of Trichinella by digestion

Reference

Description

| | |
|---------------|---|
| NX10000-01205 | Digital magnetic stirrer with heating Normax |
| CD03649 | Separating funnel conical shape 2000 ml with PTFE key |
| CD03819 | Separating funnel cylindrical shape grad., PTFE key 50 ml |
| S6022610 | Retort stand, 160x250 mm, Rod stainless steel 600x10 mm |
| S7005010 | Open ring bosshead support galvanised steel 100 mm |
| S7000141 | Swivel clamp with double PVC lined jaws. For Ø from 12 to 45 mm |
| 719764 | Cylindrical stirring bar 8x40 mm |
| CD00255 | Stirring glass rod 6x250 mm |
| FV100180052 | Sieves Stainless steel 100x52 mm, 180 µm |
| 2110668N | Beaker low form boro 3.3 glass, 3000 ml |
| 5149614 | Grad. pipette, total delivery, blue printing, zero at the top, class A, divis. 0,1 ml, cap. 25 ml |
| 5454334 | Grad.pipette, total delivery, blue printing, zero at the top, class A, divis. 0,1 ml, cap. 25 ml |
| 7W-120 | Pipette pump up to 25 ml red |
| 7200208 | Contact plate Rodac aseptic |
| 8AC07672500 | Hydrochloric Acid, Solution 25%, Reagent Grade, 2,5 Lt |
| 8PE01251000 | Pepsin NF 1: 10,000 1000g |

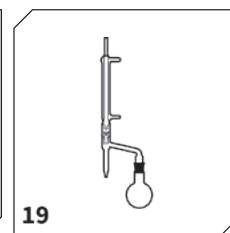
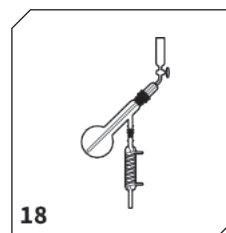


NORMAX Digital Magnetic Stirrer, model 1205

→ Other models available

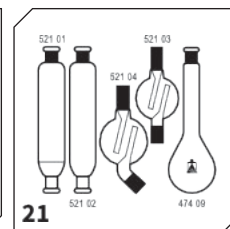
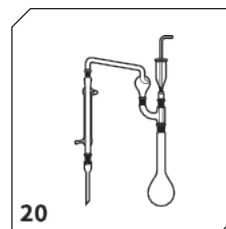
18 Arsenic determination in metals, acc. Ledebur

| Reference | Capacity (ml) | Size (mm) | Joint | Feature |
|-----------|---------------|-----------|---------------|-----------------------------|
| 531 | — | — | — | complete |
| 53101 | 500 | — | 29/32 - 19/26 | round bottom flask |
| 53100 | — | — | 29/32 | receiver tube with stopcock |
| 48200 | — | 200 | 19/26 | coil condenser |



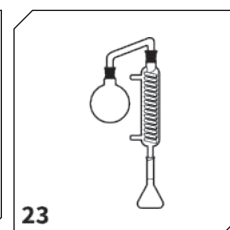
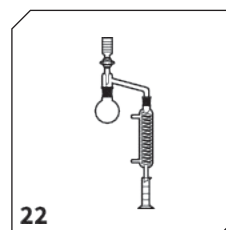
19 Arsenic determination acc. to Dean Stark

| Reference | Capacity (ml) | Size (mm) | Joint | Feature |
|-----------|---------------|-----------|-------|--------------------|
| 530 | — | — | — | complete |
| 46816 | 500 | — | 24/29 | round bottom flask |
| 47308 | — | 200 | 24/29 | Liebig - condenser |
| 64302 | 10-25 | — | 24/29 | receiver tube |



20 Nitrogen determination acc. To Kjeldahl

| Reference | Capacity (ml) | Size (mm) | Joint | Feature |
|-----------|---------------|-----------|---------------|--------------------------------------|
| 517 | — | — | — | complete |
| 40204 | — | — | 19/26 24/29 | multiple adapter |
| 41302 | — | — | 19/26 | Straight delivery adapter |
| 42801 | 500 | — | 19/26 | splash head |
| 47405 | 50 | — | 19/26 | Kjeldahl - flask |
| 43900 | — | — | 24/29 | dropping funnel with open top socket |
| 48603 | — | 200 | 19/26 | Liebig - condenser |



21 nitrogen determination, spare parts

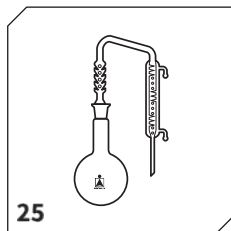
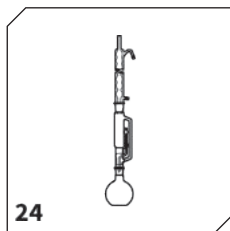
| Reference | Capacity (ml) | Size (mm) | Feature |
|-----------|---------------|-----------|---|
| 52101 | — | 19/26 | cylindrical ampoule with sintered glass-disc |
| 52102 | — | 19/26 | cylindrical ampoule without sintered glass-disc |
| 52104 | — | 19/26 | 45° spherical ampoule |
| 52103 | — | 19/26 | straight spherical ampoule |
| 47409 | 500 | 19/26 | Kjeldahl - flas |

22 Assembly for wine volatile acidity determination

| Reference | Capacity (ml) | Size (mm) | Feature |
|-----------|---------------|-----------|-------------------------------|
| 533 | — | — | complete |
| 46806 | 50 | 14/23 | flask round bottom |
| 53301 | 24 | — | acidimeter measuring cylinder |
| 48202 | 100 | 14/23 | condenser |
| 5330 | 24 | 14/23 | receiver tube |

23 Assembling for wine alcohol degree determination by destilation

| Reference | Capacity (ml) | Size (mm) | Joint | Features |
|-----------|---------------|-----------|-------|--------------------|
| 532 | — | — | — | complete |
| 9065170 | — | 250 | 29/32 | receiver bends |
| 46820 | 1000 | — | 29/32 | round bottom flask |
| 3168732 | 200 | — | — | volumetric flask |
| 9065096 | — | 200 | 29/32 | coil condenser |



24 Soxhlet - flat bottom flask and Allihn condenser

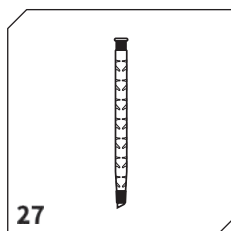
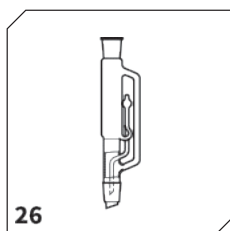
| Reference | Flask (ml) | Extractor (mm) | Flask joint | Condenser joint |
|-----------|------------|----------------|-------------|-----------------|
| 52801 | 100 | 20 | 29/32 | 29/32 |
| 52810 | 100 | 30 | 29/32 | 29/32 |
| 52802 | 100 | 50 | 29/32 | 34/35 |
| 52812 | 100 | 60 | 29/32 | 45/40 |
| 52809 | 250 | 100 | 29/32 | 45/40 |
| 52803 | 250 | 125 | 29/32 | 45/40 |
| 52804 | 250 | 150 | 29/32 | 45/40 |
| 52811 | 500 | 200 | 29/32 | 45/40 |
| 52805 | 500 | 250 | 29/32 | 55/50 |
| 52806 | 1000 | 500 | 29/32 | 55/50 |
| 52807 | 2000 | 1000 | 29/32 | 70/50 |
| 52808 | 2000 | 2000 | 29/32 | 70/50 |

Distiller

25 Vigreux

| Reference | Joint | Length (mm) |
|-----------|-------|-------------|
| 519 | — | complete |
| 51901 | 29/32 | flask |
| 51902 | 29/32 | condenser |

Columns and condensers



26 Soxhlet - extractors

| Reference | Extractor (ml) | Socket joint | Cone joint |
|-----------|----------------|--------------|------------|
| 47210 | 20 | 29/32 | 29/32 |
| 47201 | 30 | 29/32 | 29/32 |
| 47202 | 50 | 34/35 | 29/32 |
| 47211 | 60 | 34/35 | 29/32 |
| 47212 | 100 | 45/40 | 29/32 |
| 47203 | 125 | 45/40 | 29/32 |
| 47208 | 150 | 45/40 | 29/32 |
| 47209 | 200 | 45/40 | 29/32 |
| 47204 | 250 | 45/40 | 29/32 |
| 47205 | 500 | 55/50 | 29/32 |
| 47206 | 1000 | 70/50 | 29/32 |
| 47207 | 2000 | 70/50 | 29/32 |

Column

27 Vigreux

| Reference | Socket joint | Socket joint |
|-----------|--------------|--------------|
| 49201 | 24/29 | 360 |
| 49202 | 24/29 | 600 |
| 49203 | 29/32 | 360 |
| 49204 | 14/23 | 200 |
| 49205 | 14/23 | 300 |
| 49206 | 24/29 | 300 |
| 49207 | 24/29 | 400 |
| 49208 | 29/32 | 400 |
| 49210 | 29/32 | 600 |
| 49211 | 24/29 | 800 |
| 49212 | 29/32 | 800 |

28 Vigreux - ground and screwthreaded joint

| Reference | Length (mm) |
|-----------|-------------|
| 9165002 | 200 |

29 plain

| Reference | Joint | Length (mm) |
|-----------|-------|-------------|
| 49501 | 24/29 | 320 |
| 49502 | 24/29 | 570 |
| 49503 | 29/32 | 570 |
| 49504 | 24/29 | 820 |
| 49505 | 34/35 | 350 |
| 49506 | 34/35 | 600 |

Condenser

30 Allihn

| Reference | Extractor (ml) | Joint |
|-----------|----------------|-------|
| 49908 | 200 | 29/32 |
| 49904 | 200 | 34/35 |
| 49905 | 250 | 45/40 |
| 49906 | 210 | 55/50 |
| 49907 | 200 | 70/50 |

31 Allihn - 1 ground joint

| Reference | Length (mm) | Joint |
|-----------|-------------|-------|
| 49001 | 200 | 19/26 |
| 49002 | 200 | 24/29 |
| 49003 | 200 | 29/32 |
| 49004 | 160 | 19/26 |
| 49005 | 250 | 19/26 |
| 49006 | 250 | 24/29 |
| 49007 | 300 | 24/29 |
| 49008 | 300 | 29/32 |
| 49009 | 400 | 29/32 |

32 Allihn - 2 ground joints

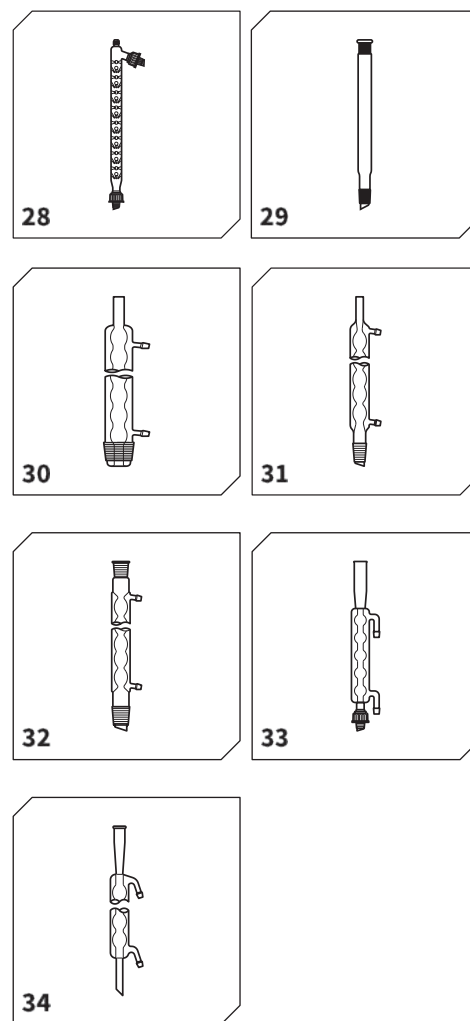
| Reference | Length (mm) | Joint |
|-----------|-------------|-------|
| 49106 | 160 | 14/23 |
| 49107 | 160 | 19/26 |
| 49101 | 200 | 19/26 |
| 49108 | 250 | 19/26 |
| 49102 | 300 | 19/26 |
| 49103 | 300 | 24/29 |
| 49104 | 300 | 29/32 |
| 49105 | 400 | 29/32 |
| 49009 | 400 | 29/32 |

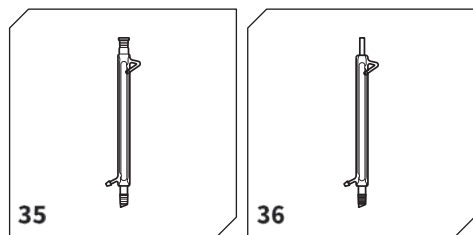
33 Allihn - ball, ground and screwthreaded joint

| Reference | Length (mm) |
|-----------|-------------|
| 9165006 | 200 |

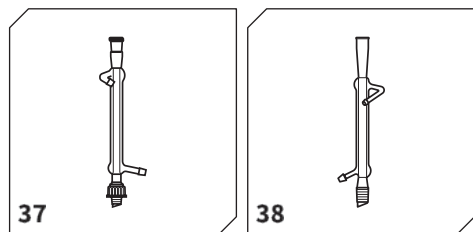
34 Allihn - without ground joint

| Reference | Length (mm) |
|-----------|-------------|
| 46704 | 160 |
| 46701 | 200 |
| 46705 | 250 |
| 46702 | 300 |
| 46703 | 400 |

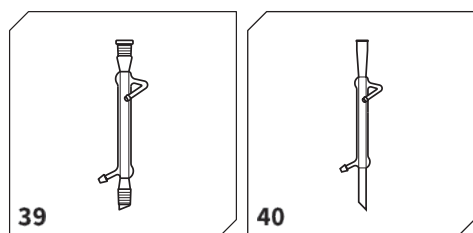




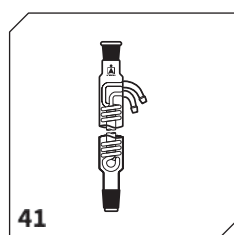
36



38



40



41

35 Davies - 2 ground joints

| Reference | Length (mm) | Cone joint |
|-----------|-------------|------------|
| 48701 | 100 | 10/19 |
| 48702 | 150 | 14/23 |
| 48703 | 150 | 24/29 |
| 48704 | 150 | 19/26 |
| 48705 | 200 | 24/29 |
| 48706 | 200 | 29/32 |
| 48707 | 200 | 19/26 |
| 9065108 | 220 | 19/26 |
| 48709 | 300 | 19/26 |
| 48710 | 400 | 24/29 |
| 48708 | 500 | 34/35 |

36 Davies - 1 ground joint

| Reference | Length (mm) | Cone joint |
|-----------|-------------|------------|
| 48801 | 200 | 40/45 |
| 48802 | 200 | 45/40 |
| 48803 | 200 | 50/45 |

37 Liebig - ground and screwthreaded joint with straight end

| Reference | Length (mm) |
|-----------|-------------|
| 9165000 | 200 |

38 Liebig - 1 ground joint

| Reference | Length (mm) | Cone joint |
|-----------|-------------|------------|
| 47306 | 150 | 19/26 |
| 47307 | 200 | 19/26 |
| 47308 | 200 | 24/29 |
| 47309 | 250 | 24/29 |
| 47310 | 250 | 29/32 |
| 47311 | 300 | 24/29 |
| 47312 | 300 | 29/32 |
| 47313 | 400 | 24/29 |
| 47314 | 400 | 29/32 |
| 48710 | 400 | 24/29 |
| 48708 | 500 | 34/35 |

39 Liebig - 2 ground joints

| Reference | Length (mm) | Cone joint |
|-----------|-------------|------------|
| 48601 | 150 | 10/19 |
| 48602 | 150 | 14/23 |
| 48603 | 200 | 19/26 |
| 48604 | 200 | 24/29 |
| 48609 | 250 | 19/26 |
| 48610 | 250 | 24/29 |
| 48605 | 400 | 19/26 |
| 48606 | 400 | 24/29 |
| 48607 | 400 | 29/32 |
| 48608 | 500 | 34/35 |

40 Liebig - without ground joint

| Reference | Length (mm) |
|-----------|-------------|
| 47304 | 150 |
| 47301 | 200 |
| 47305 | 250 |
| 47302 | 300 |
| 47303 | 400 |

41 Dimroth - coil, 2 ground joints

| Reference | Length (mm) | Cone joint |
|-----------|-------------|------------|
| 48906 | 160 | 14/23 |
| 48907 | 160 | 19/26 |
| 48908 | 160 | 29/32 |
| 48909 | 200 | 14/23 |
| 48901 | 200 | 19/26 |
| 48902 | 200 | 24/29 |
| 48910 | 300 | 14/23 |
| 48911 | 300 | 19/26 |
| 48912 | 300 | 29/32 |
| 48913 | 400 | 24/29 |
| 48903 | 400 | 29/32 |
| 48904 | 500 | 29/32 |
| 48905 | 500 | 45/40 |

42 coil, 1 ground joint

| Reference | Length (mm) | Joint |
|-----------|-------------|-------|
| 48401 | 150 | 29/32 |
| 48402 | 150 | 34/35 |
| 48404 | 200 | 14/23 |
| 48403 | 200 | 45/40 |
| 48405 | 250 | 29/32 |
| 48406 | 250 | 34/35 |
| 48407 | 250 | 45/40 |
| 48408 | 300 | 14/23 |
| 48409 | 300 | 29/32 |
| 48410 | 300 | 45/40 |
| 48411 | 400 | 29/32 |

44 Graham - coil, 2 ground joints

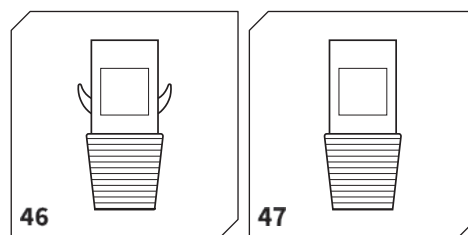
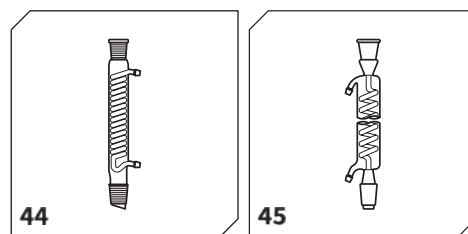
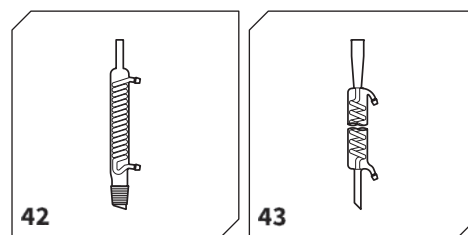
| Reference | Extractor (ml) | Joint |
|-----------|----------------|-------|
| 48501 | 150 | 19/26 |
| 48502 | 150 | 24/29 |
| 48503 | 150 | 29/32 |
| 48509 | 250 | 19/26 |
| 48510 | 250 | 24/29 |
| 48511 | 250 | 29/32 |
| 48504 | 300 | 19/26 |
| 48505 | 300 | 24/29 |
| 48506 | 300 | 29/32 |
| 48507 | 400 | 24/29 |
| 48508 | 400 | 29/32 |

45 coil, male and female joint

| Reference | Length (mm) | Joint |
|-----------|-------------|-------|
| 48303 | 150 | 24/29 |
| 48304 | 150 | 29/32 |
| 48301 | 200 | 19/32 |
| 48305 | 200 | 14/23 |
| 48306 | 250 | 24/29 |
| 48307 | 250 | 29/32 |
| 48302 | 300 | 29/32 |
| 48308 | 300 | 24/29 |
| 48309 | 400 | 29/32 |
| 48310 | 500 | 29/32 |

43 coil, without ground joint

| Reference | Length (mm) |
|-----------|-------------|
| 45300 | 160 |
| 45301 | 200 |
| 45303 | 250 |
| 45302 | 300 |
| 45304 | 400 |



Glass stopper

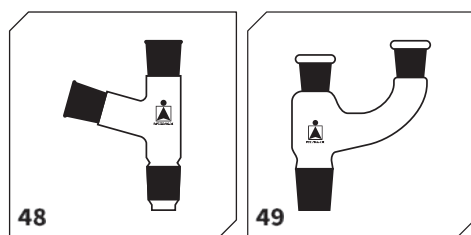
46 with clamps

| Reference | Joint |
|-----------|-------|
| 51501 | 7/16 |
| 51502 | 10/19 |
| 51503 | 12/21 |
| 51504 | 14/23 |
| 51505 | 19/26 |
| 51506 | 24/29 |
| 51507 | 29/32 |
| 51508 | 34/35 |
| 51509 | 45/40 |

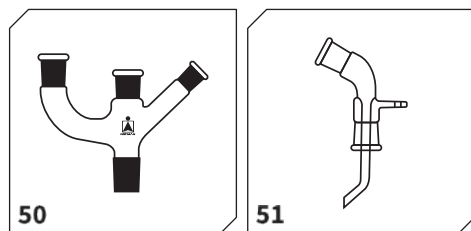
47 without clamps

| Reference | Joint |
|-----------|-------|
| 51601 | 7/16 |
| 51602 | 10/19 |
| 51603 | 12/21 |
| 51604 | 14/23 |
| 51605 | 19/26 |
| 51606 | 24/29 |
| 51607 | 29/32 |
| 51608 | 34/35 |
| 51609 | 45/40 |

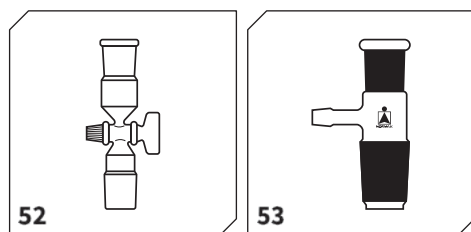
Adapters, joint and ground ware



49

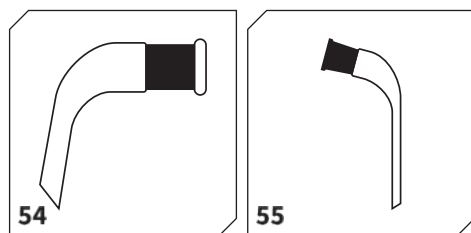


51



52

53



54

55

Adapter

48 2 parallel necks

| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 40301 | 19/26 | 19/26 |
| 40302 | 24/29 | 19/26 |

49 2 parallel necks

| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 40201 | 10/19 | 10/19 |
| 40202 | 14/23 | 14/23 |
| 40203 | 19/26 | 19/26 |
| 40204 | 19/26 | 19/26 |
| 40205 | 34/35 | 19/26 |
| 40206 | 24/29 | 24/29 |
| 40207 | 29/32 | 29/32 |

50 3 necks

| Reference | Capacity (ml) | Size (mm) | Feature |
|-----------|---------------|-----------|---------|
| 40401 | 19/26 | 14/23 | 24/29 |
| 40402 | 19/26 | 19/26 | 24/29 |
| 40403 | 19/26 | 19/26 | 29/32 |
| 40404 | 19/26 | 19/26 | 34/35 |

51 Bent at 105°

| Reference | Capacity (ml) | Size (mm) |
|-----------|---------------|-----------|
| 52119 | 19/26 | 24/29 |
| 52120 | 29/32 | 29/32 |

52 with stopcock

| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 52106 | 19/26 | 24/29 |
| 52107 | 24/29 | 24/29 |
| 40404 | 19/26 | 19/26 |

53 Connection "T"

| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 40501 | 14/23 | 14/23 |
| 40502 | 14/23 | 19/26 |
| 40503 | 14/23 | 24/29 |
| 40504 | 19/26 | 19/26 |
| 40505 | 19/26 | 24/29 |
| 40506 | 19/26 | 29/32 |
| 40507 | 19/26 | 34/35 |
| 40508 | 24/29 | 24/29 |
| 40509 | 29/32 | 29/32 |

54 Receiver adapter bent, short

| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 41101 | 65 | 14/23 |
| 41102 | 65 | 19/26 |
| 41103 | 65 | 24/29 |
| 41104 | 65 | 29/32 |

55 Receiver adapter bent, long

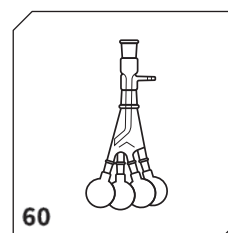
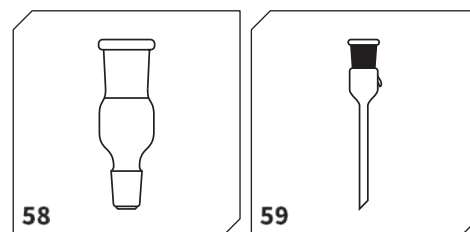
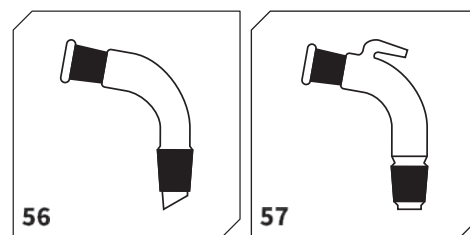
| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 41201 | 120 | 10/19 |
| 41202 | 190 | 14/23 |
| 41203 | 200 | 19/26 |
| 41204 | 200 | 24/29 |
| 41205 | 200 | 29/32 |

56 Bent

| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 41401 | 14/23 | 14/23 |
| 41402 | 19/26 | 19/26 |
| 41403 | 24/29 | 19/26 |
| 41404 | 24/29 | 24/29 |
| 41405 | 34/35 | 34/35 |

57 Bent with hose

| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 41501 | 10/19 | 10/19 |
| 41502 | 14/23 | 14/23 |
| 41503 | 19/26 | 19/26 |
| 41504 | 19/26 | 24/29 |
| 41505 | 24/29 | 24/29 |
| 41506 | 29/32 | 29/32 |



58 Expansion

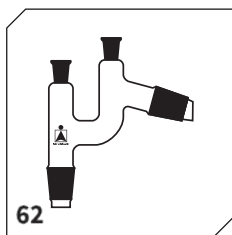
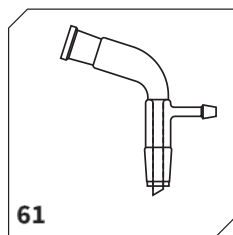
| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 40101 | 14/23 | 10/19 |
| 40102 | 19/26 | 14/23 |
| 40103 | 24/29 | 14/23 |
| 40104 | 24/29 | 19/26 |
| 40105 | 29/32 | 14/23 |
| 40106 | 29/32 | 19/26 |
| 40107 | 29/32 | 24/29 |
| 40108 | 34/35 | 19/26 |
| 40109 | 34/35 | 24/29 |
| 40110 | 34/35 | 29/32 |
| 40111 | 40/38 | 29/32 |

59 straight delivery

| Reference | Length (mm) | Socket joint |
|-----------|-------------|--------------|
| 41307 | 80 | 19/26 |
| 41301 | 180 | 14/23 |
| 41302 | 180 | 19/26 |
| 41303 | 180 | 24/29 |
| 41304 | 180 | 29/32 |
| 41305 | 180 | 34/35 |
| 41306 | 300 | 45/40 |

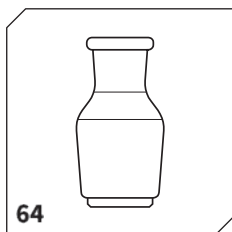
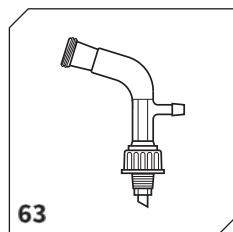
60 Straight with 4 flasks

| Reference | Length (mm) | Joint upper size | Joint lower size |
|-----------|-------------|------------------|------------------|
| 52113 | 50 | 14/23 | 19/26 |
| 52114 | 100 | 19/26 | 24/29 |
| 52115 | 100 | 29/32 | 29/32 |
| 52116 | 250 | 29/32 | 29/32 |



61 Receiver adapter bent, with vacuum connection

| Reference | Length (mm) | Socket joint | Cone joint |
|-----------|-------------|--------------|------------|
| 41601 | 110 | 14/23 | 14/23 |
| 41602 | 130 | 19/26 | 19/26 |
| 41603 | 140 | 19/26 | 24/29 |
| 41604 | 140 | 24/29 | 24/29 |
| 41605 | 155 | 29/32 | 29/32 |



62 Vacuum connection 2 females and 2 males

| Reference | Socket joint | Cone joint | Cone joint |
|-----------|--------------|------------|------------|
| 42501 | 14/23 | 14/23 | 14/23 |
| 42502 | 19/26 | 19/26 | 14/23 |
| 42503 | 24/29 | 19/26 | 14/23 |
| 42504 | 24/29 | 24/29 | 14/23 |
| 42505 | 29/32 | 29/32 | 14/23 |
| 42506 | 34/35 | 19/26 | 14/23 |

63 Receiver adapter with vacuum connection and screw thread adapter

| Reference | Length (mm) | Socket joint |
|-----------|-------------|--------------|
| 9165005 | 29/32 | 29/32 |

64 Reduction

| Reference | Joint socket | Cone joint |
|-----------|--------------|------------|
| 40001 | 10/19 | 14/23 |
| 40002 | 14/23 | 19/26 |
| 40003 | 14/23 | 24/29 |
| 40004 | 14/23 | 29/32 |
| 40005 | 19/26 | 24/29 |
| 40006 | 19/26 | 29/32 |
| 40007 | 19/26 | 34/35 |
| 40008 | 19/26 | 40/38 |
| 40009 | 19/26 | 45/40 |
| 40010 | 19/26 | 55/44 |
| 40011 | 24/29 | 29/32 |
| 40012 | 24/29 | 34/35 |
| 40013 | 24/29 | 40/38 |
| 40014 | 24/29 | 45/40 |
| 40015 | 24/29 | 50/42 |
| 40016 | 24/29 | 55/44 |
| 40017 | 29/32 | 34/35 |
| 40018 | 29/32 | 45/40 |
| 40019 | 34/35 | 40/38 |
| 40020 | 34/35 | 45/40 |
| 40021 | 34/35 | 50/42 |
| 40022 | 34/35 | 55/44 |

65 Thermometer

| Reference | GL | Socket joint |
|-----------|----|--------------|
| 45501 | 14 | 14/23 |
| 45502 | 14 | 19/26 |
| 45505 | 18 | 19/26 |
| 45506 | 18 | 29/32 |

66 Thermometer

| Reference | Socket joint | Cone joint | Cone joint |
|-----------|--------------|------------|------------|
| 42401 | 10/13 | 10/13 | 10/19 |
| 42402 | 14/23 | 14/23 | 14/23 |
| 42403 | 19/26 | 19/26 | 14/23 |
| 42404 | 19/26 | 19/26 | 19/26 |
| 42405 | 24/29 | 19/26 | 14/23 |
| 42406 | 24/29 | 24/29 | 14/23 |
| 42407 | 29/32 | 19/26 | 14/23 |
| 42408 | 29/32 | 29/32 | 14/23 |
| 42409 | 34/35 | 19/26 | 14/23 |
| 42410 | 34/35 | 24/29 | 14/23 |
| 42411 | 34/35 | 34/35 | 14/23 |

67 Cone with screwthread

| Reference | GL | Joint side size | Joint central |
|-----------|----|-----------------|---------------|
| 44201 | 14 | 14/23 | 14/23 |
| 44202 | 14 | 14/23 | 19/26 |
| 44203 | 14 | 14/23 | 24/29 |
| 44204 | 14 | 19/26 | 29/32 |

68 Thermometer adapter ground and screw thread

| Reference | Socket joint | Cone joint | Cone joint |
|-----------|--------------|------------|------------|
| 9165004 | 19/26 | 19/26 | 19/26 |

69 75° - Recovery bends

| Reference | Socket joint |
|-----------|---------------|
| 42701 | 14/23 - 14/23 |
| 42702 | 19/26 - 19/26 |
| 42703 | 24/29 - 14/23 |
| 42704 | 24/29 - 19/26 |
| 42705 | 24/29 - 24/29 |
| 42706 | 29/32 - 19/26 |
| 42707 | 29/32 - 29/32 |
| 42708 | 34/35 - 19/26 |
| 42709 | 34/35 - 24/29 |

71 Straight connector

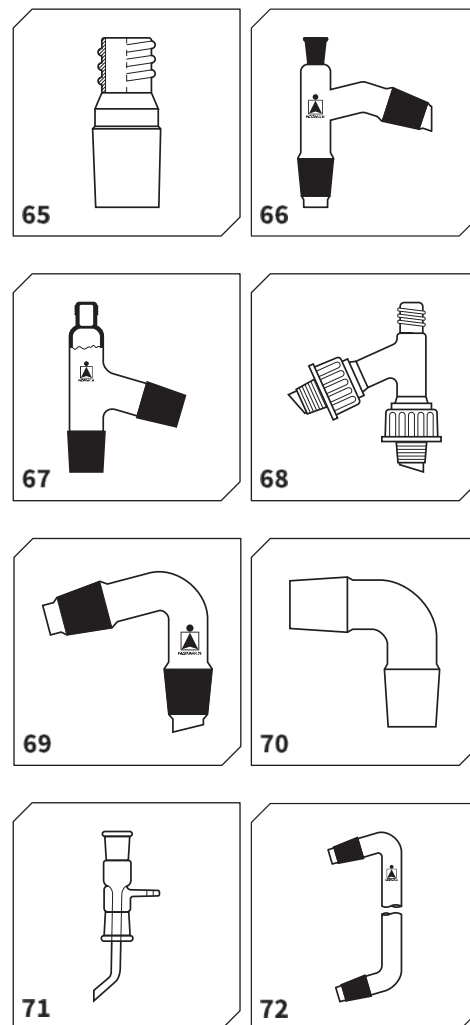
| Reference | Joint upper size | Joint lower size |
|-----------|------------------|------------------|
| 52125 | 14/23 | 19/26 |
| 52126 | 19/26 | 24/29 |
| 52127 | 29/32 | 29/32 |

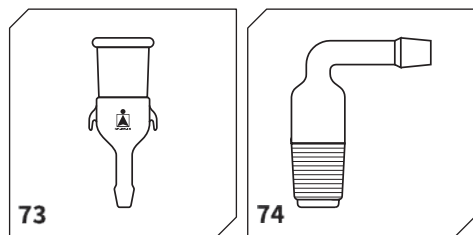
70 90° - Recovery bends

| Reference | Socket joint |
|-----------|---------------|
| 42710 | 14/23 - 14/23 |
| 42711 | 19/26 - 19/26 |
| 42712 | 24/29 - 14/23 |
| 42713 | 24/29 - 19/26 |
| 42714 | 24/29 - 24/29 |
| 42715 | 29/32 - 19/26 |
| 42716 | 29/32 - 29/32 |
| 42717 | 34/35 - 19/26 |
| 42718 | 34/35 - 24/29 |

72 Recovery bend, vertical

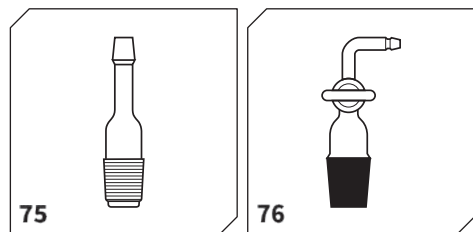
| Reference | Joint upper size |
|-----------|------------------|
| 42601 | 14/23 - 14/23 |
| 42602 | 19/26 - 19/26 |
| 42603 | 24/29 - 19/26 |
| 42604 | 24/29 - 24/29 |
| 42605 | 45/40 - 45/40 |
| 42606 | 29/32 - 29/32 |





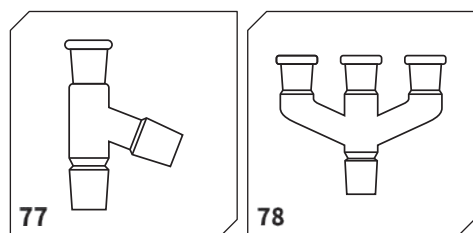
73 cone

| Reference | Joint | Out. diam. olive (mm) |
|-----------|-------|-----------------------|
| 41002 | 24/29 | 9 |
| 41003 | 29/32 | 9 |



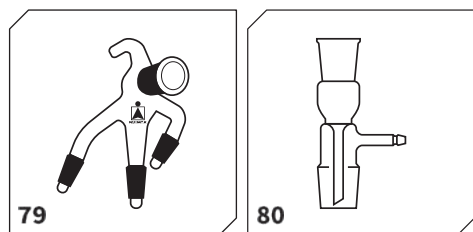
74 90° - Right angled connection

| Reference | Joint | Out. diam. olive (mm) |
|-----------|-------|-----------------------|
| 40901 | 10/19 | 9 |
| 40902 | 14/23 | 9 |
| 40903 | 19/26 | 9 |
| 40904 | 24/29 | 9 |
| 40905 | 29/32 | 9 |
| 40906 | 34/35 | 9 |



75 Cone, straight connection

| Reference | Joint | Out. diam. olive (mm) |
|-----------|-------|-----------------------|
| 40801 | 14/23 | 9 |
| 40802 | 19/26 | 9 |
| 40803 | 24/29 | 9 |



76 With stopcock right angle

| Reference | Joint | Out. diam. olive (mm) |
|-----------|-------|-----------------------|
| 41801 | 14/23 | 9 |
| 41802 | 19/26 | 9 |
| 41803 | 24/29 | 9 |
| 41804 | 29/32 | 9 |

77 Multiple

| Reference | Joint |
|-----------|-------|
| 42719 | 14/23 |
| 42720 | 29/32 |

78 Multiple with 3 necks

| Reference | Joint socket | Joint cone |
|-----------|--------------|------------|
| 42101 | 14/23 | 14/23 |
| 42102 | 19/26 | 29/32 |
| 42103 | 29/32 | 29/32 |

79 Multiple connections

| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 42001 | 65 | 10/19 |
| 42002 | 110 | 14/23 |
| 42003 | 110 | 19/26 |
| 42004 | 115 | 29/32 |

80 Vertical receiver, vacuum connection

| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 41700 | 140 | 24/29 |
| 41701 | 125 | 14/23 |

81 Multi-limb deliver

| Reference | Socket joint | Cone joint |
|-----------|--------------|------------|
| 42100 | 19/26 | 14/23 |

Ground ware

82 Socket, rolled shoulder, single

| Reference | Joint | Length (mm) | Outside Diam.(mm) | Thickness (mm) |
|-----------|-------|-------------|-------------------|----------------|
| 49801 | 5/13 | 113 | 8 | 1,0 |
| 49802 | 7/16 | 116 | 10 | 1,5 |
| 49803 | 10/19 | 119 | 13 | 1,5 |
| 49804 | 12/21 | 121 | 15 | 1,8 |
| 49805 | 14/23 | 123 | 17 | 1,8 |
| 49806 | 19/26 | 126 | 22 | 1,8 |
| 49807 | 24/29 | 129 | 28 | 2,0 |
| 49808 | 29/32 | 132 | 33 | 2,0 |
| 49809 | 34/35 | 135 | 40 | 2,3 |
| 49811 | 45/40 | 140 | 50 | 2,5 |
| 49814 | 60/46 | 180 | 65 | 3,2 |

83 Socket, rolled shoulder, double

| Reference | Joint | Length (mm) | Outside Diam.(mm) | Thickness (mm) |
|-----------|-------|-------------|-------------------|----------------|
| 20804 | 19/26 | 142 | 22 | 1,8 |
| 20805 | 24/29 | 168 | 28 | 2,0 |
| 20806 | 29/32 | 174 | 34 | 2,0 |
| 20807 | 34/35 | 180 | 40 | 2,3 |
| 20808 | 45/40 | 190 | 50 | 2,5 |

84 DIN 12249, ISO 383 - cone, plain end, double

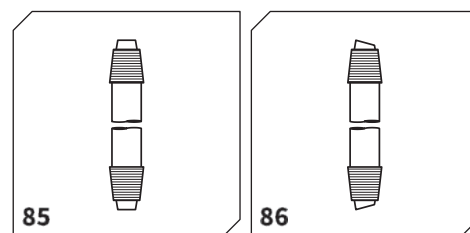
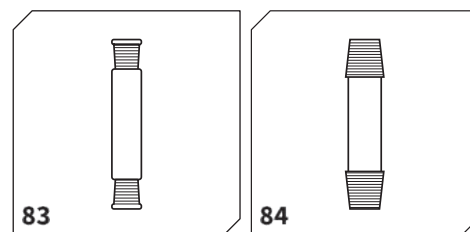
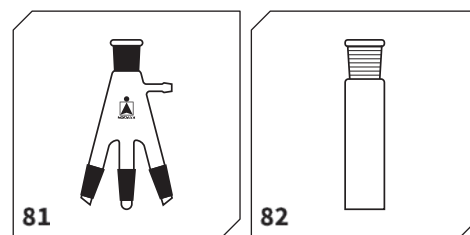
| Reference | Joint | Length (mm) | Outside Diam.(mm) | Thickness (mm) |
|-----------|-------|-------------|-------------------|----------------|
| 20001 | 10/19 | 90 | 9 | 1,0 |
| 20008 | 12/21 | 121 | 11 | 1,5 |
| 20002 | 14/23 | 123 | 13 | 1,5 |
| 20003 | 19/26 | 128 | 17 | 1,8 |
| 20004 | 24/29 | 144 | 22 | 1,8 |
| 20005 | 29/32 | 150 | 26 | 2,0 |
| 20006 | 34/35 | 153 | 30 | 2,0 |
| 20007 | 45/40 | 160 | 40 | 2,3 |

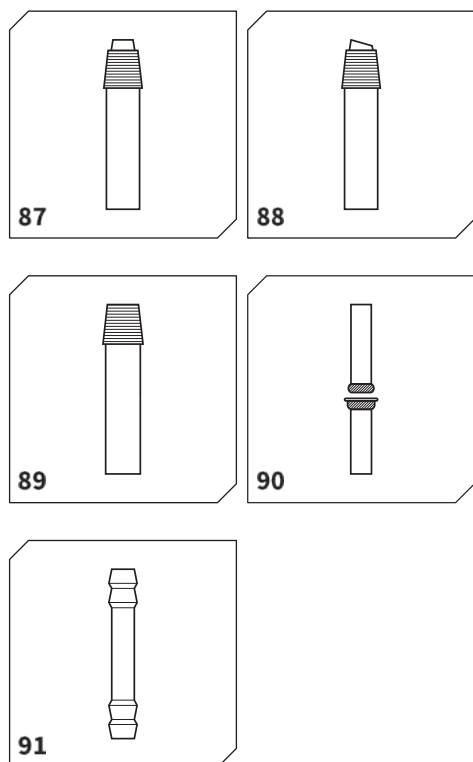
85 cone, long tip, double

| Reference | Joint | Length (mm) | Outside Diam.(mm) | Thickness (mm) |
|-----------|-------|-------------|-------------------|----------------|
| 20601 | 14/23 | 55 | 14 | 1,5 |
| 20602 | 19/26 | 60 | 18 | 1,8 |
| 20603 | 24/29 | 95 | 22 | 1,8 |
| 20604 | 29/32 | 125 | 28 | 2,0 |

86 cone angled end, double

| Reference | Joint | Length (mm) | Outside Diam.(mm) |
|-----------|-------|-------------|-------------------|
| 20201 | 14/23 | 156 | 3 |
| 20202 | 19/26 | 166 | 17 |
| 20203 | 24/29 | 188 | 22 |
| 20204 | 29/32 | 200 | 26 |



**87 cone, long tip, single**

| Reference | Joint | Length (mm) | Outside Diam.(mm) | Thickness (mm) |
|-----------|-------|-------------|-------------------|----------------|
| 20302 | 10/19 | 90 | 9 | 1,0 |
| 20311 | 12/21 | 121 | 11 | 1,5 |
| 20303 | 14/23 | 123 | 13 | 1,5 |
| 20304 | 19/26 | 128 | 17 | 1,8 |
| 20305 | 24/29 | 144 | 22 | 1,8 |
| 20306 | 29/32 | 150 | 26 | 2,0 |
| 20307 | 34/35 | 153 | 30 | 2,0 |
| 20309 | 45/40 | 160 | 40 | 2,3 |

88 DIN 12249, ISO 383 - cone, angled end

| Reference | Joint | Length (mm) | Outside Diam.(mm) | Thickness (mm) |
|-----------|-------|-------------|-------------------|----------------|
| 49601 | 10/19 | 90 | 9 | 1,0 |
| 49602 | 12/21 | 121 | 11 | 1,5 |
| 49603 | 14/23 | 123 | 13 | 1,5 |
| 49604 | 19/26 | 128 | 17 | 1,8 |
| 49605 | 24/29 | 144 | 22 | 1,8 |
| 49606 | 29/32 | 150 | 26 | 2,0 |
| 49607 | 34/35 | 153 | 30 | 2,0 |
| 49609 | 45/40 | 160 | 40 | 2,3 |

89 cone, plain end

| Reference | Joint | Length (mm) | Outside Diam.(mm) | Thickness (mm) |
|-----------|-------|-------------|-------------------|----------------|
| 49701 | 5/13 | 113 | 4 | 0,8 |
| 49702 | 7/16 | 116 | 6 | 1,5 |
| 49703 | 10/19 | 119 | 8 | 1,5 |
| 49704 | 12/21 | 121 | 11 | 1,5 |
| 49705 | 14/23 | 123 | 13 | 1,5 |
| 49706 | 19/26 | 126 | 17 | 1,8 |
| 49707 | 24/29 | 139 | 22 | 1,8 |
| 49708 | 29/32 | 142 | 26 | 2,0 |
| 49709 | 34/35 | 145 | 30 | 2,0 |
| 49711 | 45/40 | 150 | 40 | 2,3 |
| 49714 | 60/46 | 166 | 56 | 2,5 |

90 male and female, spherical

| Reference | joint | Length (mm) | Outside Diam.(mm) | Thickness (mm) |
|-----------|-------|-------------|-------------------|----------------|
| 20901 | S-13 | 100 | 8 | 12.700 |
| 20902 | S-13 | 100 | 8 | 12.700 |
| 20903 | S-19 | 100 | 13 | 19.050 |
| 20904 | S-29 | 100 | 20 | 28.575 |
| 20905 | S-35 | 100 | 24 | 34.925 |
| 20906 | S-41 | 100 | 32 | 41.275 |
| 20907 | S-51 | 100 | 38 | 50.800 |

Connector**91 double**

| Reference | Capacity (ml) | Outside Diam.(mm) | Thickness (mm) |
|-----------|---------------|-------------------|----------------|
| 25101 | 115 | 6 | 1,5 |
| 25102 | 115 | 8 | 1,5 |
| 25103 | 115 | 9 | 1,5 |
| 25104 | 115 | 10 | 1,5 |
| 25105 | 115 | 11 | 1,5 |
| 25106 | 115 | 12 | 1,5 |

Splash head

92 2 vertical ground cone

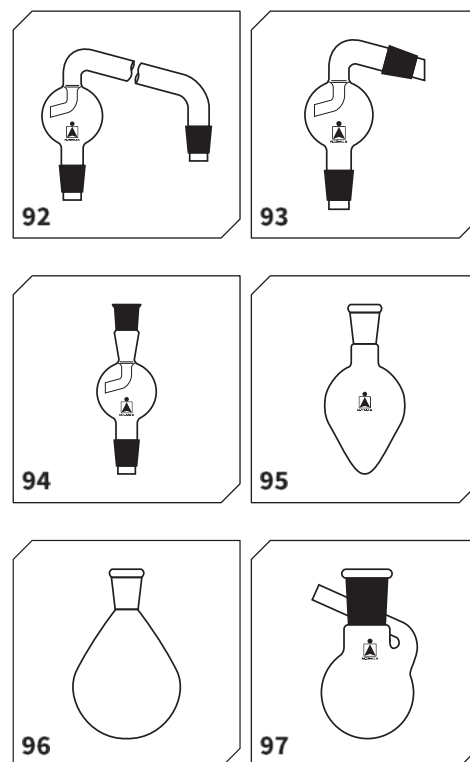
| Reference | Vertical joint | Side size joint |
|-----------|----------------|-----------------|
| 42801 | 19/26 | 19/26 |
| 42802 | 24/29 | 19/26 |
| 42803 | 24/29 | 24/29 |
| 42804 | 14/23 | 14/23 |
| 42805 | 29/32 | 29/32 |

93 Sloping type

| Reference | Vertical joint | Side size joint |
|-----------|----------------|-----------------|
| 42907 | 14/23 | 14/23 |
| 42901 | 19/26 | 19/26 |
| 42902 | 24/29 | 19/26 |
| 42903 | 24/29 | 24/29 |
| 42904 | 29/32 | 29/32 |
| 42905 | 34/35 | 19/26 |
| 42906 | 34/35 | 34/35 |

94 Stutzer type

| Reference | Vertical joint | Side size joint |
|-----------|----------------|-----------------|
| 43101 | 14/23 | 14/23 |
| 43100 | 19/26 | 24/29 |
| 43102 | 29/32 | 29/32 |



Flasks

95 conical shaped

| Reference | Capacity (ml) | Joint |
|-----------|---------------|-------|
| 46600 | 50 | 19/26 |
| 46601 | 100 | 19/26 |
| 46602 | 250 | 29/32 |
| 46603 | 500 | 29/32 |
| 46604 | 1000 | 29/32 |

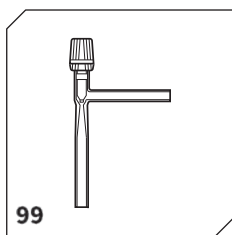
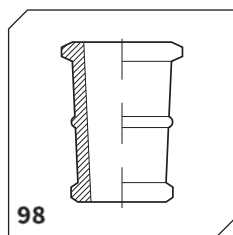
96 pear shaped

| Reference | Capacity (ml) | Joint |
|-----------|---------------|-------|
| 46501 | 100 | 29/32 |
| 46502 | 250 | 29/32 |
| 46503 | 500 | 29/32 |
| 46504 | 1000 | 29/32 |

97 round bottom, hose connection

| Reference | Capacity (ml) | Joint |
|-----------|---------------|-------|
| 45900 | 25 | 14/23 |

Stopcocks



98 stopcock barrel, neutral glass

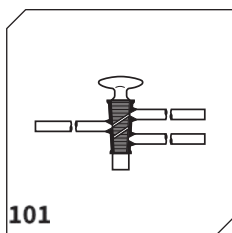
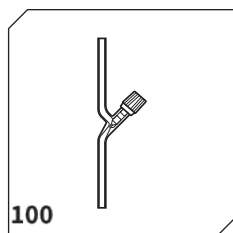
| Reference | Joint | Bore (mm) | Diameter (mm) |
|-----------|-------|-----------|---------------|
| 26203 | 19 | 19 | 18,8 |
| 6508002 | black | | |

99 with PTFE gasket, 90° angled

| Reference | Joint | Tube (mm) |
|-----------|---------|-----------|
| 2415202S | 0 - 2.5 | 9 |
| 2415203S | 0 - 4 | 10 |
| 2415204S | 0 - 6 | 10 |

100 with PTFE gasket

| Reference | Joint | Tube (mm) |
|-----------|---------|-----------|
| 2415202S | 0 - 2.5 | 9 |
| 2415203S | 0 - 4 | 10 |
| 2415204S | 0 - 6 | 10 |



101 two-way vacuum parallel

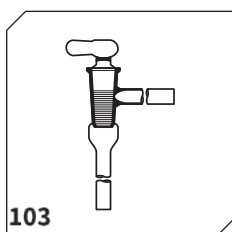
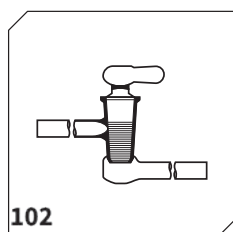
| Reference | Stem. (mm) | Bore (mm) | Stem length (mm) |
|-----------|------------|-----------|------------------|
| 50301 | 8 | 1,5 | 100 |
| 50302 | 9 | 2,5 | 100 |
| 50303 | 10 | 4 | 100 |

102 two-way vacuum straight

| Reference | Stem. (mm) | Bore (mm) |
|-----------|------------|-----------|
| 50901 | 8 | 3 |
| 50902 | 11 | 6 |
| 50903 | 13 | 8 |
| 50904 | 15 | 10 |

103 two-way lateral, vacuum

| Reference | Stem. (mm) | Diameter Stem (mm) |
|-----------|------------|--------------------|
| 50801 | 2 | 6 |
| 50802 | 4 | 9 |
| 50803 | 6 | 11 |
| 50804 | 8 | 13 |
| 50805 | 10 | 15 |



104 three-way vacuum

| Reference | Stem. (mm) | Bore (mm) |
|-----------|------------|-----------|
| 50701 | 2 | 6 |
| 50702 | 4 | 9 |
| 50703 | 6 | 11 |
| 50704 | 8 | 13 |
| 50705 | 10 | 15 |

105 T, 3 way

| Reference | Stem. (mm) | Diameter Stem (mm) | Stem length (mm) |
|-----------|------------|--------------------|------------------|
| 50401 | 8 | 2 | 100 |
| 50402 | 9 | 2,5 | 100 |
| 50403 | 10 | 4 | 100 |

106 tap for aspirator bottle

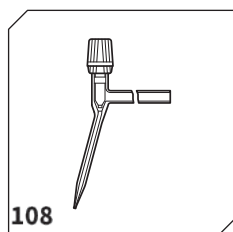
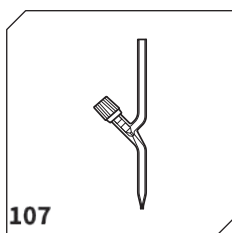
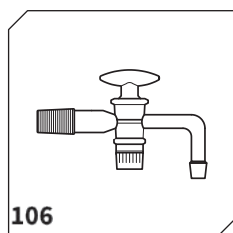
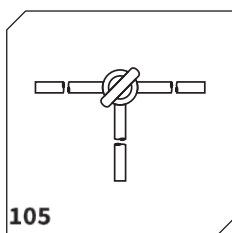
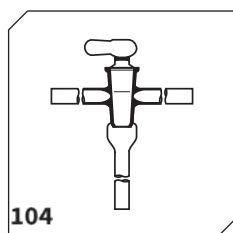
| Reference | Joint | Bore (mm) |
|-----------|-------|-----------|
| 50602 | 19 | 6 |

107 for burette, PTFE gasket

| Reference | Tube (mm) | Passage |
|-----------|-----------|---------|
| 2415402S | 9 | 0 - 2,5 |
| 2415403S | 10 | 0 - 2,5 |
| 2415404S | 10 | 0 - 2,5 |

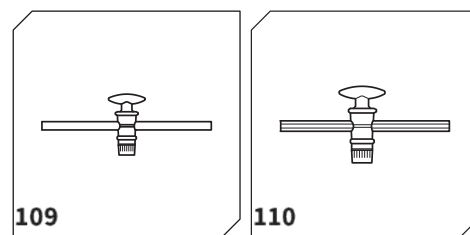
108 for burette, capillary end with PTFE

| Reference | Tube (mm) | Passage |
|-----------|-----------|---------|
| 2415502S | 9 | 0 - 2,5 |
| 2415503S | 10 | 0 - 2,5 |
| 2415504S | 10 | 0 - 2,5 |



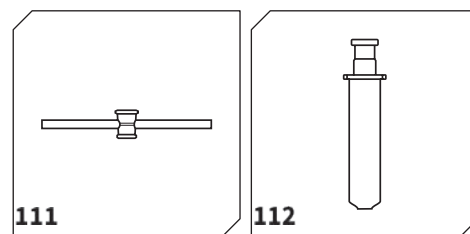
109 one-way stopcock, glass key

| Reference | Diam. bore x diam. stem (mm) | Stem length (mm) | Joint |
|-----------|---------------------------------|---------------------|-------|
| 50201 | 2,5 x 8 | 100 | 12 |
| 50202 | 4 x 10 | 100 | 14 |
| 50203 | 6 x 13 | 100 | 19 |



110 one-way stopcock, PTFE key

| Reference | Diam. bore x diam. stem (mm) | Stem length (mm) | Joint |
|-----------|---------------------------------|---------------------|-------|
| 50101 | 2,5 x 8 | 100 | 12 |
| 50102 | 4 x 10 | 100 | 14 |
| 50103 | 6 x 13 | 100 | 19 |



111 one-way stopcock capilar glass

| Reference | Diam. bore x diam. stem (mm) | Stem length (mm) |
|-----------|---------------------------------|---------------------|
| 50501 | 1,5 x 8 | 100 |
| 50502 | 2,5 x 9 | 100 |

112 one-way stopcock semi-finished, 02mm ground, soda-lime glass

| Reference | Diam. bore x diam. stem (mm) | Stem length (mm) |
|-----------|---------------------------------|---------------------|
| 28201 | 1,5 x 8 | 100 |
| 28202 | 2,5 x 9 | 100 |
| 28203 | 4 x 10 | 100 |



filter Qtd: 100 pcs

Membranas MCE, branca com quadriculado preto
Estéril, embalada individualmente

MCE membranes, white with black grid
Sterile, individually packed

Grau: 754
Grade



REF NX304745

Porosidade: 0,45 μ m
Pore size



LOT 140903145

Diâmetro: 47mm
Diameter



09/2017

Rua Santa Isabel, 17
2430-475 Marinha Grande - Portugal

tel. + 351 244 572 064
e-mail: normax@normax.pt

Sterile Sterile Sterile Sterile

Filter
Membrane Filter
Membrane Filter
Membrane Filter

Sterile Sterile Sterile Sterile

Sterile Sterile Sterile Sterile

Sterile Sterile Sterile Sterile

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Sterile Sterile Sterile Sterile

Membrane Filter
Membrane Filter

02 General Labware

2.1 FILTER PAPER

Standard filter

- 62 . Standard
- 62 . Type Joseph

Quantitative filter

- 63 . Type SCLO
- 63 . Type SCMO
- 64 . Type SCSG
- 64 . Type SCRO
- 64 . Type SCTR

Qualitative

- 65 . Type FC29E
- 65 . Type FC22L
- 66 . Type FC27E
- 66 . Type FC28M
- 66 . Type FC20M
- 67 . Type FC75M
- 67 . Type FC26R
- 67 . Type FC25R
- 68 . Type FC75R
- 69 . Type FC150R

Glass microfibre filter

- 69 . Type FV340
- 70 . Type FV280

Various

- 70 . Extraction thimble
- 71 . Absorbent paper
- 71 . Filter paper
- 71 . Universal paper pH
- 71 . MCE Membrane filter
- 71 . Indicator paper
- 72 . J-Quant Test Strips
- 72 . Non-bleeding pH Indicator Strips



Filter paper applications

Standard filter

- Food industry
- Research
- Education
- Health and pharmaceutical industry

Quantitative filter

- Food industry
- Chemistry
- Beverages
- Metallurgical industry

Qualitative filter

- Food industry
- Chemistry
- Beverages
- Education
- Pollution
- Oils

Glass microfibre filter

- Food industry
- Water and solvent
- Petroleum industry
- Analysis of atmospheric pollution

Extraction thimble

- Food industry
- Analysis of atmospheric pollution



Standard Filter Paper

Filter application

- Food industry
- Research
- Education
- Health and pharmaceutical industry

Standard

| Type | Standard | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|----------------------------|-------------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 77 | APSB001 | — | 55 | 100 |
| Thickness (mm) | 0,16/0,18 | APSB002 | APSB014 | 70 | 100 |
| pH | 7 | APSB003 | — | 90 | 100 |
| Humidity (%) | 100 | APSB004 | APSB015 | 100 | 100 |
| Resistance, dry state: | | APSB005 | APSB016 | 130 | 100 |
| Longitudinal (Kg) | 3,5/4,0>3,5 | APSB006 | APSB017 | 150 | 100 |
| Through (Kg) | 1,3/1,4>2,2 | APSB007 | — | 185 | 100 |
| Resistance, wet state: | | APSB008 | APSB018 | 190 | 100 |
| Longitudinal (Kg) | >0,8 | APSB009 | APSB019 | 250 | 100 |
| Through (Kg) | >0,5 | APSB010 | APSB020 | 330 | 100 |
| Porosity (m) | 8-11 | APSB011 | APSB021 | 400 | 100 |
| | | APSB012 | APSB022 | 450 | 100 |
| | | APSB013 | APSB023 | 500 | 100 |
| Ideal for: | | — | APSB024 | 650 | 100 |

Hospitals, food and pharmaceutical industries, research and education

Standard, various

| Reference | Paper Type | Weight (g/m ²) | Diameter (mm) | Pack unit |
|-----------|------------------|----------------------------|---------------|-----------|
| APSX001 | Joseph | 25 | 15 x 15 | 500 |
| APSX002 | Joseph | 25 | 35 x 50 | 500 |
| APSX003 | Joseph | 25 | 35 x 50 | 800 |
| APSX005 | Ream paper white | 77 | 52 x 52 | 500 |
| APSX006 | Ream paper grey | 60 | 52 x 65 | 100 |
| APSX007 | Ream paper grey | 67 | 42 x 52 | 500 |



Quantitative Filter Paper

Filter application

- Food industry
- Chemistry
- Beverages
- Education
- Pollution
- Oils



Type SCLO, quantitative

| Type | SCLO | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|----------------------------|--------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 80 | | | | |
| Thickness (mm) | 0,2 | APSK001 | — | 12 | 100 |
| Retention (µm) | 3 | APSK002 | — | 22 | 100 |
| Filtration speed (s) | 100 | APSK003 | — | 40 | 100 |
| Resistance, wet state | Medium | APSK004 | — | 55 | 100 |
| Filtration speed | Slow | APSK005 | APSK014 | 70 | 100 |
| Texture | Dense | APSK006 | APSK015 | 90 | 100 |
| | | APSK007 | APSK016 | 110 | 100 |
| | | APSK008 | APSK017 | 125 | 100 |
| | | APSK009 | APSK018 | 135 | 100 |
| | | APSK010 | APSK019 | 150 | 100 |
| | | APSK011 | APSK020 | 185 | 100 |
| | | APSK012 | APSK021 | 210 | 100 |
| | | APSK013 | APSK022 | 240 | 100 |

Ideal for:

Retention of fine precipitates.
Chemistry, metallurgy, industry food/beverage and drinks.

Type SCMO, quantitative

| Type | SCMO | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|----------------------------|--------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 80 | | | | |
| Thickness (mm) | 0,16 | APSL023 | — | 12 | 100 |
| Retention (µm) | 6 | APSL024 | — | 22 | 100 |
| Filtration speed (s) | 40 | APSL025 | — | 40 | 100 |
| Resistance, wet state | Medium | APSL026 | — | 55 | 100 |
| Filtration speed | Medium | APSL027 | APSL036 | 70 | 100 |
| Texture | Medium | APSL028 | APSL037 | 90 | 100 |
| | | APSL029 | APSL038 | 110 | 100 |
| | | APSL030 | APSL039 | 125 | 100 |
| | | APSL031 | APSL040 | 135 | 100 |
| | | APSL032 | APSL041 | 150 | 100 |
| | | APSL033 | APSL042 | 185 | 100 |
| | | APSL034 | APSL043 | 210 | 100 |
| | | APSL035 | APSL044 | 240 | 100 |

Ideal for:

General gravimetric analysis;
Chemistry, metallurgy, industry food/beverage and drinks

Type SCSG, quantitative

| Type | SCSG | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|----------------------------|----------------------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 80 | | | | |
| Thickness (mm) | 0,16 | APSL001 | — | 12 | 100 |
| Retention (µm) | 6 | APSL002 | — | 22 | 100 |
| Filtration speed (s) | 40 | APSL003 | — | 40 | 100 |
| Resistance, wet state | Medium | APSL004 | — | 55 | 100 |
| Filtration speed | Medium, without fats | APSL005 | APSL014 | 70 | 100 |
| Texture | Medium | APSL006 | APSL015 | 90 | 100 |
| | | APSL007 | APSL016 | 110 | 100 |
| | | APSL008 | APSL017 | 125 | 100 |
| | | APSL009 | APSL018 | 135 | 100 |
| | | APSL010 | APSL019 | 150 | 100 |
| | | APSL011 | APSL020 | 185 | 100 |
| | | APSL012 | APSL021 | 210 | 100 |
| | | APSL013 | APSL022 | 240 | 100 |

Type SCRO, quantitative

| Type | SCRO | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|----------------------------|---------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 80 | | | | |
| Thickness (mm) | 0,13 | APSM001 | — | 12 | 100 |
| Retention (µm) | 15 | APSM002 | — | 22 | 100 |
| Filtration speed (s) | 12 | APSM003 | — | 40 | 100 |
| Resistance, wet state | Correct | APSM004 | — | 55 | 100 |
| Filtration speed | Fast | APSM005 | APSM014 | 70 | 100 |
| Texture | Loose | APSM006 | APSM015 | 90 | 100 |
| | | APSM007 | APSM016 | 110 | 100 |
| | | APSM008 | APSM017 | 125 | 100 |
| | | APSM009 | APSM018 | 135 | 100 |
| | | APSM010 | APSM019 | 150 | 100 |
| | | APSM011 | APSM020 | 185 | 100 |
| | | APSM012 | APSM021 | 210 | 100 |
| | | APSM013 | APSM022 | 240 | 100 |

Type SCTR, quantitative

| Type | SCTR | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|----------------------------|-----------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 80 | | | | |
| Thickness (mm) | 0,13 | APSN001 | - | 12 | 100 |
| Retention (µm) | 15 | APSN002 | - | 22 | 100 |
| Filtration speed (s) | 12 | APSN003 | - | 40 | 100 |
| Resistance, wet state | Correct | APSN004 | - | 55 | 100 |
| Filtration speed | Very fast | APSN005 | APSN014 | 70 | 100 |
| Texture | Loose | APSN006 | APSN015 | 90 | 100 |
| | | APSN007 | APSN016 | 110 | 100 |
| | | APSN008 | APSN017 | 125 | 100 |
| | | APSN009 | APSN018 | 135 | 100 |
| | | APSN010 | APSN019 | 150 | 100 |
| | | APSN011 | APSN020 | 185 | 100 |
| | | APSN012 | APSN021 | 210 | 100 |
| | | APSN013 | APSN022 | 240 | 100 |

Qualitative Filter Paper

Filter Application

- Food industry
- Chemistry
- Beverages
- Education
- Pollution
- Oils



Type FC29E, qualitative

| Type | FC29E | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|----------------------------|------------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 180 | | | | |
| Thickness (mm) | 0,45 | APSC001 | — | 25 | 100 |
| Retention (µm) | 2 | APSC002 | — | 40 | 100 |
| Filtration speed (s) | 200 | APSC003 | — | 55 | 100 |
| Resistance, wet state | Very good | APSC004 | — | 70 | 100 |
| Filtration speed | Very slow | APSC005 | APSC022 | 90 | 100 |
| Texture | Extra-hard | APSC006 | APSC023 | 110 | 100 |
| | | APSC007 | APSC024 | 125 | 100 |
| | | APSC008 | APSC025 | 135 | 100 |
| | | APSC009 | APSC026 | 150 | 100 |
| | | APSC010 | APSC027 | 185 | 100 |
| | | APSC011 | APSC028 | 210 | 100 |
| | | APSC012 | APSC029 | 240 | 100 |
| | | APSC013 | APSC030 | 270 | 100 |
| | | APSC014 | APSC031 | 320 | 100 |
| | | APSC015 | APSC032 | 385 | 100 |
| | | APSC016 | APSC033 | 450 | 100 |
| | | APSC017 | APSC034 | 500 | 100 |
| | | APSC018 | APSC035 | 650* | 50 |
| | | APSC019 | APSC036 | 700* | 50 |
| | | APSC020 | APSC037 | 800* | 50 |
| | | APSC021 | — | 900* | 50 |

Ideal for:

Aqueous solutions and volatile liquids such as alcohols, fuels, ether, etc;
Education, chemistry, environmental control, oil and food/beverage industry.

Type FC22L, qualitative

| Type | FC22L | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|----------------------------|----------------------------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 85 | | | | |
| Thickness (mm) | 0,20 | APSD001 | — | 25 | 100 |
| Retention (µm) | 3 | APSD002 | — | 40 | 100 |
| Filtration speed (s) | 100 | APSD003 | — | 55 | 100 |
| Resistance, wet state | Medium | APSD004 | APSD016 | 70 | 100 |
| Filtration speed | Slow | APSD005 | APSD017 | 90 | 100 |
| Texture | Dense, with high retention | APSD006 | APSD018 | 110 | 100 |
| | | APSD007 | APSD019 | 125 | 100 |
| | | APSD008 | APSD020 | 135 | 100 |
| | | APSD009 | APSD021 | 150 | 100 |
| | | APSD010 | APSD022 | 185 | 100 |
| | | APSD011 | APSD023 | 210 | 100 |
| | | APSD012 | APSD024 | 240 | 100 |
| | | APSD013 | APSD025 | 270 | 100 |
| | | APSD014 | APSD026 | 320 | 100 |
| | | APSD015 | APSD027 | 385 | 100 |
| | | — | APSD028 | 450 | 100 |
| | | — | APSD029 | 500 | 100 |

Ideal for:

Vacuum filtration of injectable serum, etc;
Education, chemistry, environmental control, oil and food/beverage industry.

Type FC27E, qualitative

| Type | FC27E | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|--|-------------------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 160 | | | | |
| Thickness (mm) | 0,45 | APSG001 | — | 25 | 100 |
| Retention (µm) | 8 | APSG002 | — | 40 | 100 |
| Filtration speed (s) | 120 | APSG003 | — | 55 | 100 |
| Resistance, wet state | Good | APSG004 | — | 70 | 100 |
| Filtration speed | Slow | APSG005 | APSG019 | 90 | 100 |
| Texture | Thick, extra-soft | APSG006 | APSG020 | 110 | 100 |
| | | APSG007 | APSG021 | 125 | 100 |
| | | APSG008 | APSG022 | 135 | 100 |
| | | APSG009 | APSG023 | 150 | 100 |
| Ideal for: | | APSG010 | APSG024 | 185 | 100 |
| Filtration of oils, syrups, fat substances; | | APSG011 | APSG025 | 210 | 100 |
| Education, chemistry, environmental control, | | APSG012 | APSG026 | 240 | 100 |
| oil and food/beverage industry; | | APSG013 | APSG027 | 270 | 100 |
| Can be used with Buchner funnel. | | APSG014 | APSG028 | 320 | 100 |
| | | APSG015 | APSG029 | 385 | 100 |
| | | APSG016 | APSG030 | 450 | 100 |
| | | APSG017 | APSG031 | 500 | 100 |

Type FC28M, qualitative

| Type | FC28M | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|--|-------------------------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 80 | | | | |
| Thickness (mm) | 0,18 | APSF067 | — | 25 | 100 |
| Retention (µm) | 5 | APSF001 | — | 40 | 100 |
| Filtration speed (s) | 40 | APSF002 | — | 55 | 100 |
| Resistance, wet state | Very good | APSF003 | APSF017 | 70 | 100 |
| Filtration speed | Medium | APSF004 | APSF018 | 90 | 100 |
| Texture | Very high even when wet | APSF005 | APSF019 | 110 | 100 |
| | | APSF006 | APSF020 | 125 | 100 |
| | | APSF007 | APSF021 | 135 | 100 |
| | | APSF008 | APSF022 | 150 | 100 |
| Ideal for: | | APSF009 | APSF023 | 185 | 100 |
| Alkaline or acid solutions; | | APSF010 | APSF024 | 210 | 100 |
| Education, chemistry, environmental control, | | APSF011 | APSF025 | 240 | 100 |
| oil and food/beverage industry. | | APSF012 | APSF026 | 270 | 100 |
| | | APSF013 | APSF027 | 320 | 100 |
| | | APSF014 | APSF028 | 385 | 100 |
| | | APSF015 | APSF029 | 450 | 100 |
| | | APSF016 | APSF030 | 500 | 100 |

Type FC20M, qualitative

| Type | FC20M | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|--|--------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 77 | | | | |
| Thickness (mm) | 0,13 | APSF031 | — | 25 | 100 |
| Retention (µm) | 5 | APSF032 | — | 40 | 100 |
| Filtration speed (s) | 40 | APSF033 | — | 55 | 100 |
| Resistance, wet state | Good | APSF034 | APSF048 | 70 | 100 |
| Filtration speed | Medium | APSF035 | APSF049 | 90 | 100 |
| Texture | Good | APSF036 | APSF050 | 110 | 100 |
| | | APSF037 | APSF051 | 125 | 100 |
| | | — | APSF052 | 135 | 100 |
| | | APSF039 | APSF053 | 150 | 100 |
| Ideal for: | | APSF040 | APSF054 | 185 | 100 |
| General and educational purposes; | | APSF041 | APSF055 | 210 | 100 |
| Education, chemistry, environmental control, | | APSF042 | APSF056 | 240 | 100 |
| oil and food/beverage industry. | | APSF043 | APSF057 | 270 | 100 |
| | | APSF044 | APSF058 | 320 | 100 |
| | | APSF045 | APSF059 | 385 | 100 |
| | | APSF046 | APSF060 | 450 | 100 |
| | | APSF047 | APSF061 | 500 | 100 |

Type FC75M, qualitative

| Type | FC75M | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|----------------------------|-----------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 75 | | | | |
| Thickness (mm) | 0,16 | APSF062 | - | 25 | 100 |
| Retention (µm) | 6 | APSF069 | - | 55 | 100 |
| Filtration speed (s) | 50 | APSF063 | APSF080 | 70 | 100 |
| Resistance, wet state | Medium | APSF064 | - | 90 | 100 |
| Filtration speed | Medium | APSF065 | - | 110 | 100 |
| Texture | Very pure | APSF070 | - | 125 | 100 |
| | | APSF071 | - | 135 | 100 |
| | | APSF066 | - | 240 | 100 |

Ideal for:

Most used filter paper for qualitative analysis, phosphates, sugars, fertilizers; Education, chemistry, environmental control, oil and food/beverage industry.

Type FC26R, qualitative

| Type | FC26R | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|----------------------------|-----------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 75 | | | | |
| Thickness (mm) | 0,15 | APSG034 | - | 25 | 100 |
| Retention (µm) | 10 | APSG035 | - | 40 | 100 |
| Filtration speed (s) | 30 | APSG036 | - | 55 | 100 |
| Resistance, wet state | Good | APSG037 | APSG051 | 70 | 100 |
| Filtration speed | Fast | APSG038 | APSG052 | 90 | 100 |
| Texture | Very pure | APSG039 | APSG053 | 110 | 100 |
| | | APSG040 | APSG054 | 125 | 100 |
| | | APSG041 | APSG055 | 135 | 100 |
| | | APSG042 | APSG056 | 150 | 100 |
| | | APSG043 | APSG057 | 185 | 100 |
| | | APSG044 | APSG058 | 210 | 100 |
| | | APSG045 | APSG059 | 240 | 100 |
| | | APSG046 | APSG060 | 270 | 100 |
| | | APSG047 | APSG061 | 320 | 100 |
| | | APSG048 | APSG062 | 385 | 100 |
| | | APSG049 | APSG063 | 450 | 100 |
| | | APSG050 | APSG064 | 500 | 100 |

Ideal for:

Preparation and analysis of pharmaceutical products and metallurgical analysis.

Type FC25R, qualitative

| Type | FC25R | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|----------------------------|--------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 77 | | | | |
| Thickness (mm) | 0,15 | APSG093 | - | 25 | 100 |
| Retention (µm) | 8 | APSG094 | - | 40 | 100 |
| Filtration speed (s) | 35 | APSG095 | - | 55 | 100 |
| Resistance, wet state | Medium | APSG096 | APSG110 | 70 | 100 |
| Filtration speed | Fast | APSG097 | APSG111 | 90 | 100 |
| Texture | Smooth | APSG098 | APSG112 | 110 | 100 |
| | | APSG099 | APSG113 | 125 | 100 |
| | | APSG100 | APSG114 | 135 | 100 |
| | | APSG101 | APSG115 | 150 | 100 |
| | | APSG102 | APSG116 | 185 | 100 |
| | | APSG103 | APSG117 | 210 | 100 |
| | | APSG104 | APSG118 | 240 | 100 |
| | | APSG105 | APSG119 | 270 | 100 |
| | | APSG106 | APSG120 | 320 | 100 |
| | | APSG107 | APSG121 | 385 | 100 |
| | | APSG108 | APSG122 | 450 | 100 |
| | | APSG109 | APSG123 | 500 | 100 |

Ideal for:

Large volume precipitates.

Type FC75R, qualitative

| Type | FC75R | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|--|----------------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 60 | | | | |
| Thickness (mm) | 0,12 | APSH001 | — | 40 | 100 |
| Retention (µm) | 12 | APSH002 | — | 55 | 100 |
| Filtration speed (s) | 25 | APSH003 | APSH014 | 70 | 100 |
| Resistance, wet state | Good | APSH004 | APSH015 | 90 | 100 |
| Filtration speed | Very fast | APSH005 | APSH016 | 110 | 100 |
| Texture | Very resistant | APSH006 | APSH017 | 125 | 100 |
| | | APSH007 | APSH018 | 135 | 100 |
| | | APSH008 | APSH019 | 150 | 100 |
| | | APSH009 | APSH020 | 185 | 100 |
| Ideal for: | | APSH010 | APSH021 | 210 | 100 |
| All kind of fast filtration; | | APSH011 | APSH022 | 240 | 100 |
| Education, chemistry, environmental control, | | APSH012 | APSH023 | 270 | 100 |
| oil and food/beverage industry. | | APSH013 | APSH024 | 320 | 100 |
| | | — | APSH025 | 385 | 100 |
| | | — | APSH026 | 450 | 100 |
| | | — | APSH027 | 500 | 100 |

Type FC150R, qualitative

| Type | FC150R | Reference Flat | Reference Folded | Diameter (mm) | Pack unit |
|--|----------------------------------|----------------|------------------|---------------|-----------|
| Weight (g/m ²) | 150 | | | | |
| Thickness (mm) | 0,35 | APSG066 | — | 25 | 100 |
| Retention (µm) | 8 | APSG067 | — | 40 | 100 |
| Filtration speed (s) | 40 | APSG068 | — | 55 | 100 |
| Resistance, wet state | Very good | APSG069 | — | 70 | 100 |
| Filtration speed | Fast | APSG070 | APSG080 | 90 | 100 |
| Texture | Crepe paper 150 g/m ² | APSG071 | APSG081 | 110 | 100 |
| | | APSG072 | APSG082 | 125 | 100 |
| | | APSG073 | APSG083 | 135 | 100 |
| | | APSG074 | APSG084 | 150 | 100 |
| Ideal for: | | APSG075 | APSG085 | 185 | 100 |
| Filtration of loaded liquids; | | APSG076 | APSG086 | 210 | 100 |
| Education, chemistry, environmental control, | | APSG077 | APSG087 | 240 | 100 |
| oil and food/beverage industry. | | APSG078 | APSG088 | 270 | 100 |
| | | APSG079 | APSG089 | 320 | 100 |
| | | APSG157 | APSG090 | 385 | 100 |
| | | APSG158 | APSG091 | 450 | 100 |
| | | APSG159 | APSG092 | 500 | 100 |

Glass microfibre filter

Filter application

- Food industry
- Water and solvent
- Petroleum industry
- Analysis of atmospheric pollution



Type FV340, glass microfibre

| Type | Fv340 | Reference Flat | Diameter (mm) | Pack unit |
|----------------------------|-------|----------------|---------------|-----------|
| Efficiency (%) | 99,99 | | | |
| Weight (g/m ²) | 200 | APSP043 | 20 | 100 |
| Thickness (mm) | 1,70 | APSP044 | 21 | 100 |
| Retention (µm) | 0,8 | APSP045 | 24 | 100 |
| Filtration speed (s) | 24 | APSP046 | 25 | 100 |
| Resistance, wet state | Good | APSP047 | 40 | 100 |
| | | APSP048 | 45 | 100 |
| | | APSP049 | 47 | 100 |
| | | APSP050 | 55 | 100 |
| | | APSP051 | 60 | 100 |
| | | APSP052 | 70 | 100 |
| | | APSP053 | 90 | 100 |
| | | APSP054 | 110 | 100 |
| | | APSP055 | 125 | 100 |
| | | APSP056 | 130 | 100 |
| | | APSP057 | 140 | 100 |
| | | APSP058 | 150 | 100 |
| | | APSP059 | 160 | 100 |
| | | APSP060 | 185 | 100 |
| | | APSP061 | 200 | 100 |
| | | APSP062 | 210 | 100 |
| | | APSP063 | 240 | 100 |

Type FV280, glass microfibre

| Type | FV280 | Reference Flat | Diameter (mm) | Pack unit |
|----------------------------|-----------|----------------|---------------|-----------|
| Efficiency (%) | 99,99 | | | |
| Weight (g/m ²) | 85 | APSP001 | 20 | 100 |
| Thickness (mm) | 0,80 | APSP002 | 21 | 100 |
| Retention (µm) | 0,7 | APSP003 | 24 | 100 |
| Filtration speed (s) | 12 | APSP004 | 25 | 100 |
| Resistance, wet state | Very good | APSP005 | 40 | 100 |
| | | APSP006 | 45 | 100 |
| | | APSP007 | 47 | 100 |
| | | APSP008 | 55 | 100 |
| | | APSP009 | 60 | 100 |
| | | APSP010 | 70 | 100 |
| | | APSP011 | 90 | 100 |
| | | APSP012 | 110 | 100 |
| | | APSP013 | 125 | 100 |
| | | APSP014 | 130 | 100 |
| | | APSP015 | 140 | 100 |
| | | APSP016 | 150 | 100 |
| | | APSP017 | 160 | 100 |
| | | APSP018 | 185 | 100 |
| | | APSP019 | 200 | 100 |
| | | APSP020 | 210 | 100 |
| | | APSP021 | 240 | 100 |



Extraction thimble

Filter application

- Food industry
- Analysis of atmospheric pollution

Ideal for:

Soxhlet, Kumagawa extraction apparatus and other extraction equipments;
Food industry, atmospheric pollution analysis, asphalts, etc.

Extraction thimble

Made of pure fat-free cellulose cotton in a unique piece, high mechanical resistance

| Reference Flat | Internal Diam. (mm) | External Diam. (mm) | Height (mm) | Pack unit |
|----------------|---------------------|---------------------|-------------|-----------|
| APBD001 | 14 | 16 | 30 | 25 |
| APBD002 | 19 | 22 | 90 | 25 |
| APBD003 | 18 | 22 | 60 | 25 |
| APBD004 | 22 | 26 | 60 | 25 |
| APBD005 | 23 | 27 | 80 | 25 |
| APBD006 | 26 | 30 | 100 | 25 |
| APBD007 | 29 | 34 | 80 | 25 |
| APBD008 | 33 | 36 | 80 | 25 |
| APBD009 | 33 | 36 | 94 | 25 |
| APBD010 | 33 | 36 | 100 | 25 |
| APBD011 | 34 | 37 | 130 | 25 |
| APBD012 | 37 | 41 | 123 | 25 |
| APBD013 | 38 | 41 | 150 | 25 |
| APBD014 | 41 | 47 | 123 | 25 |
| APBD015 | 46 | 52 | 165 | 25 |
| APBD016 | 54 | 58 | 170 | 25 |
| APBD017 | 58 | 62 | 170 | 25 |
| APBD018 | 65 | 70 | 240 | 25 |
| APBD019 | 75 | 80 | 200 | 25 |
| APBD020 | 75 | 80 | 250 | 25 |
| APBD021 | 92 | 95 | 250 | 25 |

Absorbent paper

120 gsm with two layers: one incellulose (great liquid absorption) the other of polyethylene (ensures complete waterproof)

| Reference | Diameter int (mm) | Diameter ext (mm) | Height (mm) | Pack unit |
|-----------|-------------------|-------------------|-------------|-----------|
| 7120003 | reel | 0,244 | 86 | 170 |
| 7120002 | sheets | 0,244 | 86 | 170 |

For use in the following applications:

- laboratory trays and tables protection
- pathological anatomy laboratories
- seed germination (between-paper method)
- spillage recovering using its leaktight surface
- particularly suitable for working with materials that are valuable (precious metals) or hazardous (toxic or corrosive materials)



Filter paper

| Reference | pH | Absorption Klemm (mm) | Pore ($\pm \phi$ microns) | Size (cm) | Pack unit |
|-----------|----------------------|-----------------------|----------------------------|-----------|-----------|
| 7120010 | 0,170 ($\pm 0,02$) | 89 | 30-40 | 50 x 50 | 100 |



Universal paper pH



Black grid

| Reference | pH | Graduation | Pack unit |
|-----------|------|--|---------------|
| NX30114T | 0-14 | 0-1.0-2.0-3.0-4.0-5.0-6.0-7.0-8.0-9.0-10.0-11.0-12.0-13.0-14.0 | 100 |
| NX30114R | 1-14 | 1.0-2.0-3.0-4.0-5.0-6.0-7.0-8.0-9.0-10.0-11.0-12.0-13.0-14.0 | 5 meters roll |



MCE Membrane filter



Black grid

| Reference | Feature | Pack unit |
|-----------|---|-----------|
| NX304745 | sterile, diam. 47mm x 0,45 μ m, white | 100 |
| NX304722 | sterile, diam. 47mm x 0,22 μ m, white | 100 |



Indicator paper

| Reference | Feature | Colour change | Pack unit |
|-----------|-----------------|-----------------------------------|-----------|
| AKDJ016 | Litmus (red) | basic pH (blue) | 200 |
| AKDJ018 | Nethyl (orange) | pH < 3.1 (red), pH > 4.4 (yellow) | 200 |
| AKDJ019 | Litmus (blue) | acid pH (red) | 200 |





J-Quant Test Strips

| Reference | Description | Graduation | Pack unit |
|-----------|--------------------------------|---|-----------|
| J1210.1 | J-QUANT Ammonium 400 | 0-10-25-50-100-200-400 mg/L | 100 |
| J212.1 | J-QUANT Ascorbic Acid 2000 | 0-50-100-200-300-500-700-1000-2000 mg/L | 100 |
| J214.1 | J-QUANT Carbonate Hardness | 0-5-10-15-20-30 °d | 100 |
| J161.1C | J-QUANT Chlorine 5 | 0-0.5-1-3-5 mg/L | 100 |
| J216.1 | J-QUANT Chlorine 20 | 0-1-3-5-10-20 mg/L | 100 |
| J1631.C | J-QUANT Chlorine 300 | 0-25-50-100-200-300 mg/L | 100 |
| J164.1C | J-QUANT Chlorine 1000 | 0-50-100-250-500-1000 mg/L | 100 |
| J250.1 | J-QUANT Copper 300 | 0-10-30-100-300 mg/L | 100 |
| J173.5C | J-QUANT Fluoride 100 | 0-10-25-50-100 mg/L | 100 |
| J230.1 | J-QUANT Glucose 500 | 0-10-25-50-100-250-500 mg/L | 100 |
| J238.1 | J-QUANT Glucose 2000 | 0-100-250-500-1000-2000 mg/dL | 100 |
| J236.1 | J-QUANT Iodine 225 | 0-50-75-150-225 mg/L | 100 |
| J248.1 | J-QUANT Iron 500 | 0-3-10-25-50-100-250-500 mg/L | 100 |
| J176.5C | J-QUANT Nitrate 500 | 0-10-25-50-250-500 mg/L | 100 |
| J175.5C | J-QUANT Nitrite 25 | 0-0.5-1-5-10-25 mg/L | 100 |
| J218.1 | J-QUANT Nitrite 80 | 0-2-5-10-20-40-80 mg/L | 100 |
| J242.1 | J-QUANT Nitrate/Nitrite 500/25 | 0-10-25-50-100-250-500 mg/L 0-0.5-1-5-10-25 mg/L | 100 |
| J167.5C | J-QUANT Peracetic Acid 50 | 0-5-10-20-30-50 mg/L | 100 |
| J168.5C | J-QUANT Peracetic Acid 500 | 0-100-150-200-250-300-400-500 mg/L | 100 |
| J228.1 | J-QUANT Peracetic Acid 2000 | 0-500-1000-1500-2000 mg/L | 100 |
| J220.1 | J-QUANT Peroxide 25 | 0-0.5-2-5-10-25 mg/L | 100 |
| J165.5C | J-QUANT Peroxide 100 | 0-1-3-10-30-100 mg/L | 100 |
| J222.1 | J-QUANT Peroxide 1000 | 0-100-200-400-600-800-1000 mg/L | 100 |
| J224.1 | J-QUANT Phosphate 500 | 0-3-10-25-50-100 mg/L | 100 |
| J012.1 | J-QUANT Silver 10 | 0-1-1.75-2.75-3.5-5-7-10 g/L | 10x20 |
| J172.5C | J-QUANT Sulphite 500 | 10-50-100-250-500 mg/L | 100 |
| J020.5 | J-QUANT Total Chlorine 200 | 0-10-25-50-200 mg/L | 5m roll |
| J185.1C | J-QUANT Water Hardness 500 | 0-50-125-250-500 mg/L | 100 |
| J226.1 | J-QUANT Water Hardness 21 | 3-4-7-14-21 °d | |
| J240.1 | J-QUANT Water Hardness 25 | 0-5-10-15-20-25 °d | |
| J232.1 | Swimming pool Test 5 in 1 | — | 100 |
| J234.1 | Swimming pool Test 3 in 1 | — | 100 |



Non-bleeding pH Indicator Strips

| Reference | pH range | Graduation | Pack unit |
|-----------|-----------|--|-----------|
| J103.3C | 0-6,0 | 0-0.5-1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0 | 100 |
| J106.3C | 4,0-10,0 | 4.0-4.5-5.0-5.5-6.0-6.5-7.0-7.5-8.0-8.5-9.0-9.5-10.0 | 100 |
| J109.3C | 7,0-14,0 | 7.0-7.5-8.0-8.5-9.0-9.5-10.0-10.5-11.0-11.5-12.0-12.5-13.0-13.5-14.0 | 100 |
| J113.3C | 2,0-9,0 | 2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0-6.5-7.0-7.5-8.0-8.5-9.0 | 100 |
| J121.2C | 0-1,5 | 0-0.3-0.5-0.8-1.0-1.5 | 100 |
| J122.C | 0-2,5 | 0-0.5-1.0-1.3-1.6-1.9-2.2-2.5 | 100 |
| J114.2C | 2,5-4,5 | 2.5-3.0-3.3-3.6-3.9-4.2-4.5 | 100 |
| J125.2C | 4,0-7,5 | 4.0-4.3-4.6-4.9-5.2-5.5-5.8-6.1-6.4-6.7-7.0-7.5 | 100 |
| J126.2C | 5,0-9,0 | 5.0-5.5-6.0-6.5-7.0-7.5-8.0-8.5-9.0 | 100 |
| J127.2C | 6,5-10,0 | 6.5-6.8-7.1-7.4-7.7-7.9-8.1-8.3-8.5-8.7-9.0-9.5-10.0 | 100 |
| J110.3C | 11,0-13,0 | 11.0-11.5-11.8-12.1-12.3-12.5-12.8-13.0 | 100 |
| J004.33C | 1-11 | 1-2-3-4-5-6-7-8-9-10-11 | 100 |

02 General Labware

2.2 PORCELAIN WARE

Evaporating Dish

- 74. Round bottom, medium form
- 74. Round bottom, low form
- 74. Flat bottom, medium form
- 75. Flat bottom, low form
- 75. With handle
- 75. With lid and handle

Incinerating dish

- 75. Low form
- 75. Tall form
- 76. Rectangular

Crucible

- 76. Low form
- 76. Medium form
- 76. Tall form
- 77. Lid
- 77. Swelling with lid
- 77. Gooch
- 77. Filter
- 77. Determination of volatile liquid

Beaker

- 78. With spout, low form
- 78. With spout, tall form

Mortar

- 78. Unglazed
- 79. Glazed

Pestle

- 79. Unglazed
- 80. Glazed
- 80. French form
- 80. With wood handle, unglazed

Funnel

- 80. Buchner
- 81. Dr. Hirsch

General Porcelain ware

- 81. Weighing boat
- 81. Combustion boat with eyelet
- 81. Lid for combustion boat
- 81. Spattle double stirring
- 81. Spattle with scoop
- 81. Scoop for acids
- 82. Plate with cavities
- 82. Set of rings for water bath
- 82. Staining box with lid



Evaporating dish round bottom, medium form

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|-----------------|---------------|---------------|-------------|-----------|
| JP641322206001 | 10 | 40 | 16 | 5 |
| JP641322206101 | 20 | 50 | 20 | 5 |
| JP641322206121 | 30 | 63 | 25 | 5 |
| JP641322206201 | 60 | 80 | 32 | 5 |
| JP641322206221* | 107 | 81 | 38 | 5 |
| JP641322206301* | 140 | 94 | 42 | 5 |
| JP641322206321 | 150 | 100 | 40 | 5 |
| JP641322206401* | 232 | 112 | 47 | 5 |
| JP641322206411 | 285 | 125 | 50 | 5 |
| JP641322206421* | 300 | 132 | 55 | 5 |
| JP641322206501* | 400 | 138 | 61 | 5 |
| JP641322206611 | 580 | 160 | 64 | 5 |
| JP641322206621* | 700 | 170 | 74 | 1 |
| JP641322206721 | 1000 | 200 | 80 | 1 |
| JP641322206801* | 1300 | 202 | 86 | 1 |
| JP641322206991* | 6000 | 320 | 140 | 1 |

*in addition to DIN



Evaporating dish round bottom, low form

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641322207101 | 41 | 72 | 26 | 5 |
| JP641322207201 | 62 | 83 | 27 | 5 |
| JP641322207301 | 110 | 96 | 30 | 5 |
| JP641322207401 | 160 | 110 | 37 | 5 |
| JP641322207421 | 215 | 117 | 41 | 5 |
| JP641322207501 | 240 | 127 | 42 | 5 |
| JP641322207521 | 325 | 142 | 46 | 5 |
| JP641322207601 | 420 | 154 | 50 | 5 |
| JP641322207701 | 558 | 170 | 55 | 5 |



Evaporating dish flat bottom, medium form

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641322274101 | 22 | 54 | 22 | 5 |
| JP641322274121 | 62 | 70 | 30 | 5 |
| JP641322274201 | 93 | 86 | 33 | 5 |
| JP641322274301 | 154 | 98 | 40 | 5 |
| JP641322274401 | 265 | 112 | 50 | 5 |
| JP641322274501 | 330 | 126 | 53 | 5 |
| JP641322274601 | 450 | 145 | 55 | 5 |
| JP641322274701 | 620 | 151 | 63 | 5 |
| JP641322274801 | 800 | 169 | 68 | 1 |
| JP641322274901 | 1000 | 195 | 74 | 1 |
| JP641322274991 | 2500 | 254 | 105 | 1 |

Evaporating dish flat bottom, low form

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|-----------------|---------------|---------------|-------------|-----------|
| JP641322208001 | 20 | 50 | 10 | 5 |
| JP641322208101 | 20 | 60 | 14 | 5 |
| JP641322208201* | 28 | 75 | 15 | 5 |
| JP641322208301 | 55 | 80 | 20 | 5 |
| JP641322208401 | 110 | 100 | 25 | 5 |
| JP641322208501 | 250 | 130 | 30 | 5 |
| JP641322208601* | 450 | 160 | 40 | 1 |
| JP641322208701* | 1100 | 200 | 55 | 1 |
| JP641322208801* | 1750 | 250 | 55 | 1 |

*in addition to DIN



DIN
12903

Evaporating dish with handle

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641322209101 | 22 | 45 | 26 | 2 |
| JP641322209201 | 84 | 67 | 39 | 1 |
| JP641322209301 | 176 | 85 | 49 | 1 |
| JP641322209401 | 270 | 101 | 51 | 1 |
| JP641322209501 | 450 | 120 | 64 | 1 |
| JP641322209601 | 960 | 150 | 86 | 1 |



Evaporating dish with lid and handle

Removable wood handle

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641322210101 | 125 | 75 | 40 | 8 |
| JP641322210111 | - | 87 | 30 | 8 |
| JP641322210201 | 200 | 85 | 45 | 8 |
| JP641322210211 | - | 100 | 34 | 8 |



Incinerating dish low form

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641322204201 | 7 | 38 | 10 | 5 |
| JP641322204301 | 9 | 44 | 11 | 5 |
| JP641322204401 | 12 | 47 | 13 | 5 |
| JP641322204601 | 70 | 81 | 20 | 5 |
| JP641322204801 | 220 | 122 | 28 | 5 |



Incinerating dish tall form

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641322203101 | 8 | 30 | 15 | 5 |
| JP641322203201 | 21 | 40 | 20 | 5 |
| JP641322203301 | 35 | 50 | 25 | 5 |
| JP641322203401 | 64 | 60 | 30 | 5 |
| JP641322203501 | 103 | 70 | 35 | 5 |





Incinerating dish rectangular

| Reference | Capacity (ml) | Width (mm) | Length (mm) | Height (mm) | Pack unit |
|----------------|---------------|------------|-------------|-------------|-----------|
| JP641322255101 | 12 | 35 | 50 | 6 | 5 |
| JP641322255201 | 12 | 40 | 62 | 13 | 5 |
| JP641322255221 | 14 | 49 | 74 | 28 | 5 |
| JP641322255301 | 14 | 65 | 95 | 40 | 5 |



DIN
12904

Crucible low form

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641321100301 | 5 | 30 | 19 | 5 |
| JP641321100351 | 10 | 35 | 22 | 5 |
| JP641321100401 | 17 | 40 | 25 | 5 |
| JP641321100451 | 21 | 45 | 28 | 5 |
| JP641321100501 | 34 | 50 | 32 | 5 |
| JP641321100601 | 62 | 60 | 38 | 5 |
| JP641321100701 | 91 | 70 | 44 | 5 |



DIN
12904

Crucible medium form

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|-----------------|---------------|---------------|-------------|-----------|
| JP641321200301* | 10 | 30 | 25 | 5 |
| JP641321200351 | 12 | 35 | 28 | 5 |
| JP641321200401 | 20 | 40 | 32 | 5 |
| JP641321200451 | 30 | 45 | 36 | 5 |
| JP641321200501 | 45 | 50 | 40 | 5 |
| JP641321200601 | 80 | 60 | 48 | 5 |
| JP641321200701 | 120 | 70 | 56 | 5 |
| JP641321200801* | 200 | 80 | 62 | 5 |



DIN
12904

Crucible tall form

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641321300301 | 15 | 30 | 38 | 5 |
| JP641321300351 | 26 | 35 | 44 | 5 |
| JP641321300401 | 35 | 40 | 50 | 5 |
| JP641321300451 | 50 | 45 | 56 | 5 |
| JP641321300501 | 72 | 50 | 62 | 5 |
| JP641321300601 | 120 | 60 | 75 | 5 |

Crucible Lid

| Reference | Capacity (ml) | Diameter (mm) | Pack unit |
|-----------------|---------------|---------------|-----------|
| JP641321000301 | 30 | 34 | 5 |
| JP641321000351 | 35 | 39 | 5 |
| JP641321000401 | 40 | 44 | 5 |
| JP641321000451 | 45 | 49 | 5 |
| JP641321000501 | 50 | 54 | 5 |
| JP641321000601 | 60 | 64 | 5 |
| JP641321000701 | 70 | 74 | 5 |
| JP641321000801* | 80 | 84 | 5 |


DIN
12904

Crucible swelling, with lid

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641321301000 | 19 | 43 | 27 | 5 |



Crucible Filter gooch

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641321234101 | 17 | 30 | 36 | 5 |
| JP641321234301 | 25 | 35 | 43 | 5 |
| JP641321234401 | 35 | 39 | 49 | 5 |
| JP641321234501 | 120 | 60 | 71 | 5 |



Crucible Filter

| Reference | Capacity (ml) | Pore (µm) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|-----------|---------------|-------------|-----------|
| JP641321400256 | 8 | 6 | 25 | 28 | 2 |
| JP641321400257 | 8 | 7 | 25 | 28 | 2 |
| JP641321400258 | 8 | 8 | 25 | 28 | 2 |
| JP641321400306 | 15 | 6 | 30 | 35 | 2 |
| JP641321400307 | 15 | 7 | 30 | 35 | 2 |
| JP641321400308 | 15 | 8 | 30 | 35 | 2 |
| JP641321400356 | 25 | 6 | 35 | 40 | 2 |
| JP641321400357 | 25 | 7 | 35 | 40 | 2 |
| JP641321400358 | 25 | 8 | 35 | 40 | 2 |
| JP641321400406 | 35 | 6 | 40 | 43 | 2 |
| JP641321400407 | 35 | 7 | 40 | 43 | 2 |
| JP641321400408 | 35 | 8 | 40 | 43 | 2 |
| JP641321400456 | 50 | 6 | 45 | 50 | 2 |
| JP641321400457 | 50 | 7 | 45 | 50 | 2 |
| JP641321400458 | 50 | 8 | 45 | 50 | 2 |


DIN
12909



Crucible for determination of volatile liquid, with lid

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641321098000 | 22 | 32 | 42 | 5 |



Beaker with spout, low form

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641323227101 | 275 | 70 | 85 | 1 |
| JP641323227201 | 400 | 80 | 99 | 1 |
| JP641323227301 | 620 | 90 | 116 | 1 |
| JP641323227401 | 860 | 100 | 129 | 1 |
| JP641323227501 | 950 | 123 | 100 | 1 |



Beaker with spout, tall form

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|----------------|---------------|---------------|-------------|-----------|
| JP641323226101 | 170 | 52 | 90 | 1 |
| JP641323226201 | 225 | 57 | 106 | 1 |
| JP641323226301 | 450 | 70 | 143 | 1 |
| JP641323226401 | 1100 | 101 | 157 | 1 |



Mortar unglazed

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|-----------------|---------------|---------------|-------------|-----------|
| JP641331829100 | 150 | 85 | 65 | 1 |
| JP641331829101* | 150 | 85 | 65 | 1 |
| JP641331829200 | 300 | 103 | 75 | 1 |
| JP641331829201* | 300 | 103 | 75 | 1 |
| JP641331829300 | 420 | 121 | 88 | 1 |
| JP641331829301* | 420 | 121 | 88 | 1 |
| JP641331829400 | 730 | 152 | 95 | 1 |
| JP641331829401* | 730 | 152 | 95 | 1 |
| JP641331829500 | 1200 | 178 | 110 | 1 |
| JP641331829501* | 1200 | 178 | 110 | 1 |

*glazed

Mortar unglazed

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|-----------------|---------------|---------------|-------------|-----------|
| JP641331211000* | 25 | 51 | 32 | 5 |
| JP641331211100* | 30 | 56 | 36 | 2 |
| JP641331211110 | 70 | 63 | 41 | 2 |
| JP641331211120* | 75 | 76 | 45 | 2 |
| JP641331211200* | 110 | 83 | 50 | 2 |
| JP641331211220 | 160 | 90 | 56 | 1 |
| JP641331211300* | 220 | 105 | 64 | 1 |
| JP641331211320 | 400 | 125 | 71 | 1 |
| JP641331211400* | 500 | 139 | 82 | 1 |
| JP641331211500 | 650 | 150 | 90 | 1 |
| JP641331211600 | 1000 | 180 | 104 | 1 |
| JP641331211700* | 2250 | 224 | 127 | 1 |
| JP641331211800* | 4300 | 268 | 160 | 1 |

*glazed



Mortar glazed

| Reference | Capacity (ml) | Diameter (mm) | Height (mm) | Pack unit |
|-----------------|---------------|---------------|-------------|-----------|
| JP641331211001* | 25 | 51 | 32 | 5 |
| JP641331211101* | 30 | 56 | 36 | 2 |
| JP641331211111 | 70 | 63 | 41 | 2 |
| JP641331211121* | 75 | 76 | 45 | 2 |
| JP641331211201* | 110 | 83 | 50 | 1 |
| JP641331211221 | 160 | 90 | 56 | 1 |
| JP641331211301* | 220 | 105 | 64 | 1 |
| JP641331211321 | 400 | 125 | 71 | 1 |
| JP641331211401* | 500 | 139 | 82 | 1 |
| JP641331211501 | 650 | 150 | 90 | 1 |
| JP641331211601 | 1000 | 180 | 104 | 1 |
| JP641331211701* | 2250 | 224 | 127 | 1 |
| JP641331211801* | 4300 | 268 | 160 | 1 |

*in addition to DIN



DIN
12906

Pestle unglazed

| Reference | Diameter (mm) | Length (mm) | Pack unit |
|-----------------|---------------|-------------|-----------|
| JP641331213000* | 14 | 54 | 5 |
| JP641331213100 | 24 | 115 | 2 |
| JP641331213200 | 30 | 135 | 2 |
| JP641331213300 | 36 | 150 | 2 |
| JP641331213400 | 42 | 175 | 1 |
| JP641331213500 | 55 | 210 | 1 |
| JP641331213600 | 74 | 250 | 1 |
| JP641331213700 | 85 | 280 | 1 |
| JP641331213800* | 101 | 370 | 1 |

*in addition to DIN



DIN
12906



DIN
12906

Pestle glazed

| Reference | Diameter (mm) | Length (mm) | Pack unit |
|-----------------|---------------|-------------|-----------|
| JP641331213001* | 14 | 54 | 5 |
| JP641331213101 | 24 | 115 | 2 |
| JP641331213201 | 30 | 135 | 2 |
| JP641331213301 | 36 | 150 | 2 |
| JP641331213401 | 42 | 175 | 1 |
| JP641331213501 | 55 | 210 | 1 |
| JP641331213601 | 74 | 250 | 1 |
| JP641331213701 | 85 | 280 | 1 |
| JP641331213801* | 101 | 370 | 1 |

*in addition to DIN



Pestle french form

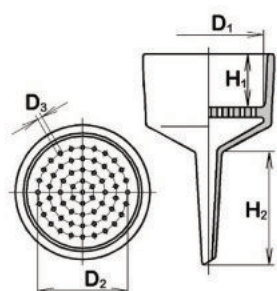
| Reference | Diameter (mm) | Length (mm) | Pack unit |
|----------------|---------------|-------------|-----------|
| JP641331212100 | 18 | 68 | 2 |
| JP641331212200 | 20 | 88 | 2 |
| JP641331212300 | 25 | 96 | 2 |
| JP641331212400 | 34 | 140 | 2 |
| JP641331212500 | 37 | 158 | 2 |



Pestle with wood handle, unglazed

| Reference | Diameter (mm) | Length (mm) | Pack unit |
|-----------------|---------------|-------------|-----------|
| JP641331830100 | 27 | 155 | 1 |
| JP641331830101* | 27 | 155 | 1 |
| JP641331830200 | 30 | 180 | 1 |
| JP641331830201* | 30 | 180 | 1 |
| JP641331830300 | 33 | 185 | 1 |
| JP641331830301* | 33 | 185 | 1 |
| JP641331830400 | 37 | 210 | 1 |
| JP641331830401* | 37 | 210 | 1 |
| JP641331830500 | 45 | 245 | 1 |
| JP641331830501* | 45 | 245 | 1 |

*glazed



Funnel Büchner

| Reference | Capacity (ml) | Diameter 1 (mm) | Diameter 2 (mm) | Diameter 3 (mm) | Height 1 (mm) | Height 2 (mm) | Pack unit |
|----------------|---------------|-----------------|-----------------|-----------------|---------------|---------------|-----------|
| JP641332237001 | 10 | 29 | 22 | 1 | 17 | 28 | 1 |
| JP641332237011 | 25 | 42 | 33 | 1 | 20 | 35 | 1 |
| JP641332237101 | 35 | 48 | 38 | 1 | 24 | 43 | 1 |
| JP641332237201 | 70 | 62 | 45 | 1 | 30 | 64 | 1 |
| JP641332237301 | 120 | 77 | 58 | 1 | 35 | 64 | 1 |
| JP641332237401 | 240 | 97 | 70 | 2 | 40 | 71 | 1 |
| JP641332237501 | 400 | 116 | 95 | 2 | 49 | 83 | 1 |
| JP641332237601 | 600 | 130 | 110 | 2 | 52 | 85 | 1 |
| JP641332237701 | 1000 | 156 | 130 | 2 | 59 | 96 | 1 |
| JP641332237801 | 2000 | 192 | 160 | 2 | 74 | 117 | 1 |
| JP641332237901 | 4000 | 248 | 220 | 2 | 90 | 117 | 1 |
| JP641332237921 | 7000 | 296 | 270 | 2 | 105 | 130 | 1 |
| JP641332237991 | 10000 | 334 | 300 | 2 | 120 | 133 | 1 |

Funnel Dr.Hirsch

| Reference | Diameter ext. (mm) | Diameter int. (mm) | Height (mm) | Height Haste (mm) | Pack unit |
|----------------|--------------------|--------------------|-------------|-------------------|-----------|
| JP641332236201 | 45 | 13 | 38 | 25 | 1 |



Weighing boat

| Reference | Length (mm) | Width (mm) | Pack unit |
|----------------|-------------|------------|-----------|
| JP641329252001 | 37 | 17 | 10 |
| JP641329252101 | 53 | 23 | 10 |
| JP641329252201 | 64 | 29 | 10 |



Combustion boat with eyelet

| Reference | Length (mm) | Width (mm) | Height (mm) | Pack unit |
|----------------|-------------|------------|-------------|-----------|
| JP641312214300 | 105 | 14 | 9 | 50 |
| JP641312214400 | 85 | 13 | 8 | 50 |
| JP641312214200 | 75 | 13 | 8 | 50 |
| JP641312214800 | 90 | 13 | 8 | 50 |
| JP641312214900 | 40 | 12 | 10 | 50 |



Spattle double stirring

| Reference | Length (mm) | Pack unit |
|----------------|-------------|-----------|
| JP641334217101 | 104 | 5 |
| JP641334217201 | 186 | 5 |
| JP641334217301 | 250 | 5 |
| JP641334217401 | 298 | 5 |



Spattle with scoop

| Reference | Length (mm) | Pack unit |
|----------------|-------------|-----------|
| JP641334218101 | 103 | 5 |
| JP641334218121 | 148 | 5 |
| JP641334218131 | 164 | 5 |
| JP641334218201 | 187 | 5 |
| JP641334218221 | 200 | 5 |
| JP641334218301 | 250 | 5 |



Scoop for acids

| Reference | Length (mm) | Pack unit |
|----------------|-------------|-----------|
| JP641334219101 | 237 | 5 |





Plate with cavities

| Reference | Cavities number | Cavities diameter | Plate width | Plate Length | Pack unit |
|----------------|-----------------|-------------------|-------------|--------------|-----------|
| JP641333263501 | 6 | 25 mm | 81 mm | 112 mm | 5 |
| JP641333263601 | 12 | 17 mm | 91 mm | 115 mm | 5 |



Set of rings for water bath

| Reference | Diameter (mm) | Pack unit |
|----------------|--------------------------|-----------|
| JP641329240601 | 31, 48, 66, 86, 110, 145 | 1 |



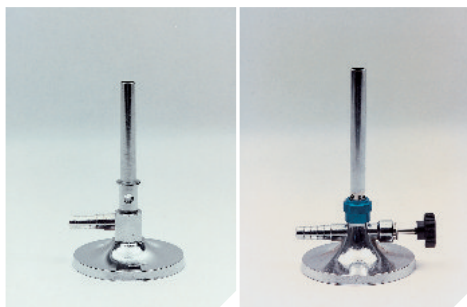
Staining box with lid

| Reference | Width (mm) | Length (mm) | Height (mm) | Pack Unit |
|----------------|------------|-------------|-------------|-----------|
| JP641332372001 | 40 | 70 | 86 | 2 |
| lid | 48 | 75 | 6 | 2 |

02 General Labware

2.3 LAB INSTRUMENTS

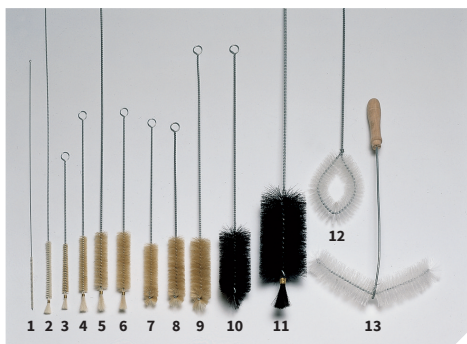
| | |
|----|---|
| 84 | . Bunsen burner |
| 84 | . Brush |
| 84 | . Cap for biological culture tubes SERO-TAP |
| 85 | . Cap for biological culture tubes BACTI-CAPS |
| 85 | . Inox container |
| 85 | . Roll of paper |
| 85 | . Support |
| 86 | . Stand and tripod support |
| 86 | . Cork support for round bottom flask |
| 86 | . Support for round bottom flask |
| 86 | . Conical joint clips |
| 86 | . Forcep |
| 87 | . Ground joint clips |
| 87 | . Forcep tongs |
| 87 | . Open ring bosshead supports |
| 87 | . Closed ring bosshead supports |
| 87 | . Laboratory scissors |
| 88 | . Gauze |
| 88 | . Elevator |
| 88 | . Micro spatula |
| 88 | . Spatula with spoon |
| 88 | . Flat and curved end spatula |
| 89 | . Paste knife with wooden handle |
| 89 | . Flexible spatula |
| 89 | . Hydrometer |
| 89 | . Thermometer |
| 89 | . Thermometer, chemical |



Bunsen burner

With air regulator

| Reference | Gas | Gas regulator | Tube Ø x height (mm) | Pack unit |
|-----------|----------------|---------------|----------------------|-----------|
| S7000044 | butane/propane | no | 11 x 130 | 1 |
| S7000937 | natural | no | 11 x 130 | 1 |
| S7000134 | butane/propane | yes | 11 x 140 | 1 |
| S7000133 | natural | yes | 11 x 140 | 1 |



Brush

For: pipettes, tubes, burettes, flasks, cylinders, beakers, bottles

| Reference | Photo-Feature | Size (mm) | Pack unit |
|-----------|--|-------------|-----------|
| S1001143 | [1] Pipettes and capillaries of 3 to 5 mm Ø. | 4x90x400 | 1 |
| S1001144 | [2] Graduated pipettes and tubes from 5 to 10 mm Ø | 10x100x700 | 1 |
| S1001145 | [3] Haemolysis tubes 8 to 10 mm Ø | 10x90x240 | 1 |
| S1001146 | [4] Test tubes and graduated flasks of 10 to 16 mm Ø | 15x100x320 | 1 |
| S1001147 | [5] Burettes of 25 to 50 ml and tubes of 15 to 20 mm Ø | 25x100x700 | 1 |
| S1001148 | [6] Cylinders, flasks, test tubes etc. 20 to 32 mm Ø. (fan) | 30x100x300 | 1 |
| S1001149 | [7] Erlenmeyer, test tubes, flasks etc. 25 to 45 mm Ø. (fan) | 35x100x440 | 1 |
| S1001150 | [8] Flasks, Erlenmeyer, test tubes etc. 35 to 80 mm Ø. (fan) | 55x100x440 | 1 |
| S1001151 | [9] Beakers, cylinders, Erlenmeyers etc. 50 to 100 mm Ø. | 80x130x700 | 1 |
| S1001333 | [10] Test tubes of 16 to 25 mm Ø. | 25x130x350 | 1 |
| S1001334 | [11] Test tubes of 16 to 25 mm Ø (fan) | 25x100x320 | 1 |
| S1001335 | [12] Flasks, round bottom flasks of 0 to 100 mm Ø | 110x450x450 | 1 |
| S1001336 | [13] Beakers of 50 to 250 mm Ø (with handle) | 40x250x400 | 1 |



Cap for biological culture tubes SERO-TAP

Anodised aluminium with internal AISI 304 stainless. Not hermetically sealed.

| Reference | Colour | Tubes (mm) | Reference | Colour | Tubes (mm) | Pack unit |
|-----------|--------|------------|-----------|--------|------------|-----------|
| S1012131 | blue | 12-13 | S1019201 | blue | 19-20 | 1 |
| S1012132 | silver | 15-16 | S1019202 | silver | 19-20 | 1 |
| S1012133 | gold | 12-13 | S1019203 | gold | 19-20 | 1 |
| S1012134 | garnet | 12-13 | S1019204 | garnet | 19-20 | 1 |
| S1012135 | black | 12-13 | S1019205 | black | 19-20 | 1 |
| S1015161 | blue | 12-13 | S1024261 | blue | 24-26 | 1 |
| S1015162 | silver | 15-16 | S1024262 | silver | 24-26 | 1 |
| S1015163 | gold | 15-16 | S1024263 | gold | 24-26 | 1 |
| S1015164 | garnet | 15-16 | S1024264 | garnet | 24-26 | 1 |
| S1015165 | black | 15-16 | S1024265 | black | 24-26 | 1 |
| S1017181 | blue | 17-18 | S1028301 | blue | 28-30 | 1 |
| S1017182 | silver | 17-18 | S1028302 | silver | 28-30 | 1 |
| S1017183 | gold | 17-18 | S1028303 | gold | 28-30 | 1 |
| S1017184 | garnet | 17-18 | S1028304 | garnet | 28-30 | 1 |
| S1017185 | black | 17-18 | S1028305 | black | 28-30 | 1 |

Cap for biological culture tubes BACTI-CAPS

PP, can be sterilized at 121°C

| Reference | Colour | Tubes (mm) | Pack unit | Reference | Colour | Tubes (mm) | Pack unit |
|-----------|--------|------------|-----------|-----------|--------|------------|-----------|
| S5726013 | yellow | 12-13 | 100 | S5726019 | yellow | 18-19 | 100 |
| S5726113 | blue | 12-13 | 100 | S5726119 | blue | 18-19 | 100 |
| S5726213 | white | 12-13 | 100 | S5726219 | white | 18-19 | 100 |
| S5726413 | garnet | 12-13 | 100 | S5726419 | garnet | 18-19 | 100 |
| S5726513 | green | 12-13 | 100 | S5726519 | green | 18-19 | 100 |
| S5726016 | yellow | 15-16 | 100 | S5726025 | yellow | 24-25 | 50 |
| S5726116 | blue | 15-16 | 100 | S5726125 | blue | 24-25 | 50 |
| S5726216 | white | 15-16 | 100 | S5726225 | white | 24-25 | 50 |
| S5726416 | garnet | 15-16 | 100 | S5726425 | garnet | 24-25 | 50 |
| S5726516 | green | 15-16 | 100 | S5726526 | green | 24-25 | 50 |
| | | | | S5726238 | white | 37-38 | 25 |



Inox container

For sterilisation

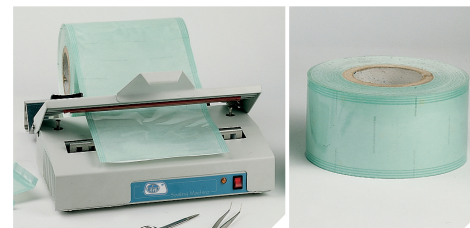
| Reference | Sterilizes | Diameter x Height (cm) | Pack unit |
|-----------|-----------------|------------------------|-----------|
| S1000829 | pipettes | 7,2 x 40 | 1 |
| S1001126 | pipettes | 13 x 40 | 1 |
| S1001127 | 10 Petri dishes | 13 x 26 | 1 |
| S1001128 | 18 Petri dishes | 13 x 40 | 1 |



Roll of paper

For sterilisation "Polisteril", PP and Polyester, sealing machine also available

| Reference | Width (cm) | Length (m) | Pack unit |
|-----------|------------|------------|-----------|
| S4100075 | 7,5 | 100 | 1 |
| S4100100 | 10 | 100 | 1 |
| S4100200 | 20 | 100 | 1 |

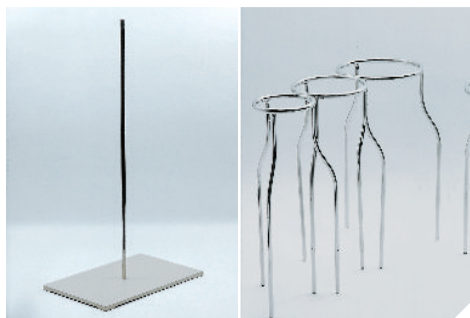


Support

Accessories

| Reference | Photo-Feature | Dimensions (mm) | Pack unit |
|-----------|--|-----------------|-----------|
| S6000117 | [1] burette stand | Ø 10 x h. 600 | 1 |
| S1000069 | [2] bosshead | Ø 5 to 17 | 1 |
| S7000141 | [3] swivel clamp bosshead for condensers | Ø 12 to 45 | 1 |
| S7000161 | [4] clamp "Triplex" | Ø 0 to 60 | 1 |





Stand and tripod support

| Reference | Ø x height (cm) | Feature | Pack unit |
|-----------|-----------------|---|-----------|
| S6000046 | 1 x 60 | central rod retort stand | 1 |
| S6002868 | 8 x 21 | tripod with round top (stainless steel) | 1 |
| S6028610 | 10 x 21 | tripod with round top (stainless steel) | 1 |
| S6028612 | 12 x 21 | tripod with round top (stainless steel) | 1 |
| S6028614 | 14 x 21 | tripod with round top (stainless steel) | 1 |
| S1000818 | 8 x 21 | tripod with round top (nickel plated steel) | 1 |
| S1008110 | 10 x 21 | tripod with round top (nickel plated steel) | 1 |
| S1008112 | 12 x 21 | tripod with round top (nickel plated steel) | 1 |
| S1008114 | 14 x 21 | tripod with round top (nickel plated steel) | 1 |
| S1008116 | 16 x 21 | tripod with round top (nickel plated steel) | 1 |



Cork support for round bottom flask

| Reference | Ø x height (cm) | Flasks (ml) | Pack unit |
|-----------|-----------------|-------------|-----------|
| ABJQ001 | 80 x 30 | 50-100 | 1 |
| ABJQ002 | 100 x 30 | 250 | 1 |
| ABJQ003 | 120 x 30 | 500 | 1 |
| ABJQ004 | 140 x 30 | 1000 | 1 |
| ABJQ005 | 160 x 30 | 2000 | 1 |



Support for round bottom flask

PP

| Reference | Ø x height (cm) | Flasks (ml) | Pack unit |
|-----------|-----------------|-------------|-----------|
| ABJQ007 | 160 x 50 | 5-10000 | 1 |



Conical joint clips

| Reference | Joint | Reference | Joint | Pack unit |
|-----------|--------|-----------|-------|-----------|
| S1000716 | 7,5/16 | S1001926 | 19/26 | 1 |
| S1001019 | 10/19 | S1001429 | 24/29 | 1 |
| S1001221 | 12/21 | S1001932 | 29/32 | 1 |
| S1001423 | 14/23 | S1001540 | 45/40 | 1 |



Forcep

For dissecting and general laboratory use. AISI 304 stainless steel.

| Reference | Joint | Reference | Joint | Pack unit |
|-----------|-------|-----------|--------------------------------|-----------|
| S1000580 | 14 | 1 | dissecting straight round tips | 1 |
| S1000801 | 14 | 2 | dissecting straight fine tips | 1 |
| S1000865 | 14 | 3 | dissecting curved round tips | 1 |
| S1000864 | 14 | 4 | dissecting curved fine tips | 1 |
| S6000128 | 16 | 5 | laboratory curved point | 1 |
| S1001191 | 12 | 6 | laboratory fine point | 1 |

Ground joint clips

Chromed steel

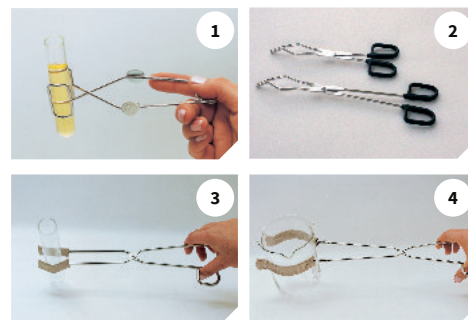
| Reference | Round joint (mm) | Pack unit |
|-----------|------------------|-----------|
| S1040913 | 13 | 1 |
| S1040919 | 19 | 1 |
| S1040929 | 29 | 1 |
| S1040935 | 35 | 1 |



Forcep tongs

Chromed steel. For: tubes, crucible, flasks and beaker

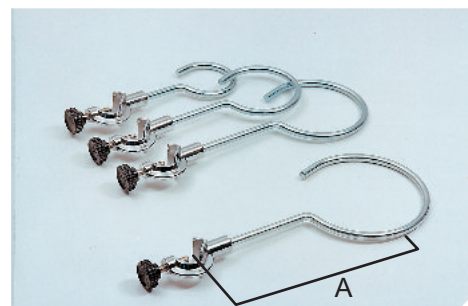
| Reference | Size (mm) | Feature | Pack unit |
|-----------|-----------|----------------------|-----------|
| S1000285 | 145 | [1] test tube | 1 |
| S1001590 | 220 | [2] crucible | 1 |
| S1001591 | 330 | [2] crucible | 1 |
| S1028130 | 300 | [3] flasks and tubes | 1 |
| S1028140 | 400 | [3] flasks and tubes | 1 |
| S1000284 | 450 | [4] beaker | 1 |



Open ring bosshead supports

Galvanised steel

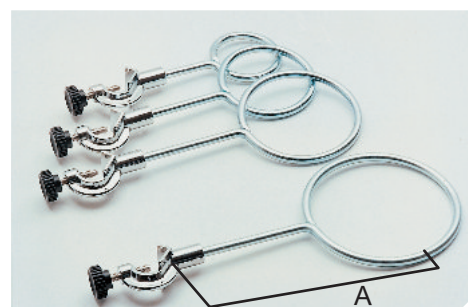
| Reference | Ø ext. ring (cm) | Usable L. A (cm) | Pack unit |
|-----------|------------------|------------------|-----------|
| S7000506 | 6 | 10 | 1 |
| S7000508 | 8 | 13 | 1 |
| S7005010 | 10 | 16 | 1 |
| S7005012 | 12 | 17 | 1 |
| S7005014 | 14 | 18 | 1 |



Closed ring bosshead supports

Galvanised steel

| Reference | Ø ext. ring (cm) | Usable L. A (cm) | Pack unit |
|-----------|------------------|------------------|-----------|
| S7000536 | 6 | 10 | 1 |
| S7000538 | 8 | 13 | 1 |
| S7005310 | 10 | 16 | 1 |
| S7005312 | 12 | 17 | 1 |
| S7005314 | 14 | 18 | 1 |

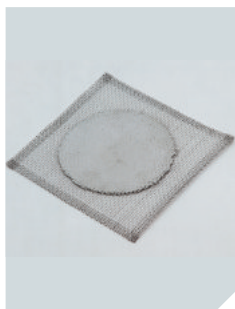


Laboratory scissors

AISI 410 stainless steel

| Reference | Cut length (cm) | Length (cm) | Feature | Pack unit |
|-----------|-----------------|-------------|---------------------------|-----------|
| S1001468 | 5 | 18 | universal "multi-purpose" | 1 |
| S1001469 | 10 | 25 | long laboratory | 1 |
| S1001470 | 5 | 14 | straight multi-purpose | 1 |
| S1000806 | 4 | 14,5 | straight multi-purpose | 1 |
| S1000807 | 3,5 | 12,5 | dissection | 1 |
| S1001471 | 2,5 | 11 | small dissection | 1 |
| S1001472 | 4 | 16 | flat serrated | 1 |

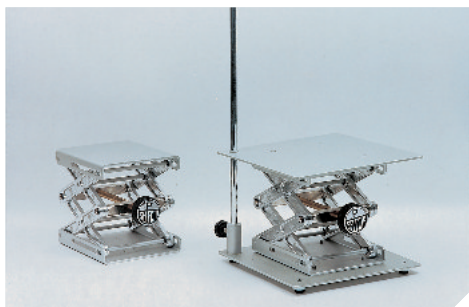




Gauze

Iron wire with ceramic fibre

| Reference | Length (cm) | Pack unit |
|-----------|-------------|-----------|
| S1087102 | 10 | 1 |
| S1087122 | 12 | 1 |
| S1087142 | 14 | 1 |
| S1087162 | 16 | 1 |
| S1087182 | 18 | 1 |
| S1087202 | 20 | 1 |



Elevator

Laboratory Jack "LAB-ELE"

| Reference | Usable size (cm) | Elevated (cm) | Max Weight (kg) | Pack unit |
|-----------|------------------|---------------|-----------------|-----------|
| S1000294 | 12 x 14 | 26 | 7 | 1 |
| S7000295 | 20 x 20 | 26 | 7 | 1 |



Micro spatula

With flat ends

| Reference | Length (cm) | Width (cm) | Feature | Pack unit |
|-----------|-------------|------------|--------------------------|-----------|
| S1027680 | 8 | 0,4 | with flat ends | 1 |
| S1276120 | 12 | 0,4 | with flat ends | 1 |
| S1276150 | 15 | 0,4 | with flat ends | 1 |
| S1276210 | 21 | 0,4 | with flat ends | 1 |
| S1277100 | 10 | 0,4 | with flat and spoon ends | 1 |
| S1277150 | 15 | 0,4 | with flat and spoon ends | 1 |
| S1277210 | 21 | 0,4 | with flat and spoon ends | 1 |



Spatula with spoon

| Reference | Length (cm) | Width (cm) | Feature | Pack unit |
|-----------|-------------|------------|--|-----------|
| S1096120 | 12 | 1,8 | spoon and flat ends (stainless steel) | 1 |
| S1096150 | 15 | 2 | spoon and flat ends (stainless steel) | 1 |
| S1196120 | 12 | 1,8 | spoon and flat ends (pure niquel) | 1 |
| S1196150 | 15 | 2 | spoon and flat ends (pure niquel) | 1 |
| S6021312 | 12 | 1,8 | chisel and grooved spoon end (stainless steel) | 1 |
| S6021315 | 15 | 2 | chisel and grooved spoon end (stainless steel) | 1 |
| S6121312 | 12 | 1,8 | chisel and grooved spoon end (pure niquel) | 1 |
| S6121315 | 15 | 2 | chisel and grooved spoon end (pure niquel) | 1 |



Flat and curved end spatula

| Reference | Length (cm) | Width (cm) | Pack unit |
|-----------|-------------|------------|-----------|
| S6099120 | 12 | 2 | 1 |
| S6099150 | 15 | 2,4 | 1 |
| S6099180 | 18 | 2,4 | 1 |
| S6099210 | 21 | 2,4 | 1 |

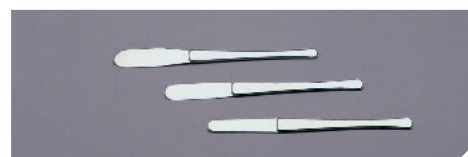
Paste knife with wooden handle

| Reference | Blade Length (cm) | Blade Width (cm) | Pack unit |
|-----------|-------------------|------------------|-----------|
| S1010280 | 8 | 1,4 | 1 |
| S1102100 | 10 | 1,6 | 1 |
| S1102120 | 12 | 1,8 | 1 |
| S1102140 | 14 | 2,2 | 1 |
| S1102160 | 16 | 2,4 | 1 |
| S1102200 | 20 | 2,9 | 1 |
| S1102240 | 24 | 3,4 | 1 |
| S1102280 | 28 | 3,4 | 1 |



Flexible spatula

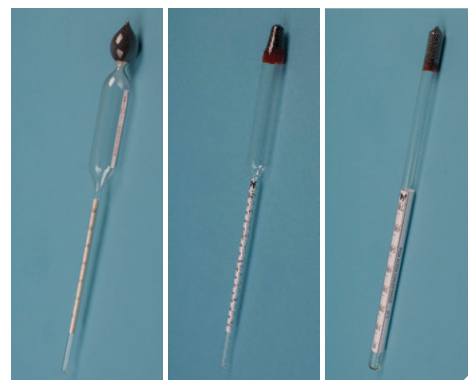
| Reference | Total Length (cm) | Blade Length (cm) | Blade Width (cm) | Pack unit |
|-----------|-------------------|-------------------|------------------|-----------|
| S1000856 | 16 | 5,2 | 1,1 | 1 |
| S1000857 | 16 | 5,2 | 1,5 | 1 |
| S1000858 | 17 | 6 | 2 | 1 |



Hydrometer

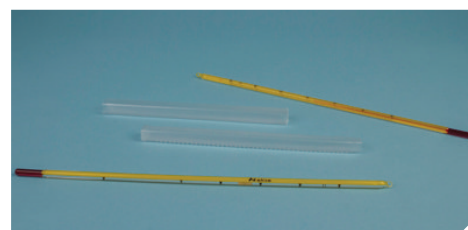
Total length 31 cm

| Reference | Range (kg/m³) | Div (n°) | Diameter (cm) | Pack unit |
|-----------|---------------|----------|---------------|-----------|
| AKLG002 | 700-800 | 1 | 1,6 | 1 |
| AKLG003 | 800-900 | 1 | 1,7 | 1 |
| AKLG004 | 900-1000 | 1 | 1,7 | 1 |
| AKLG005 | 1000-1100 | 1 | 1,7 | 1 |
| AKLG006 | 1100-1200 | 1 | 1,7 | 1 |
| AKLG007 | 1200-1300 | 1 | 1,8 | 1 |
| AKLG008 | 1300-1400 | 1 | 1,8 | 1 |
| AKLG009 | 1400-1500 | 1 | 1,8 | 1 |
| AKLG010 | 1500-1600 | 1 | 1,9 | 1 |
| AKLG011 | 1600-1700 | 1 | 2,0 | 1 |
| AKLG012 | 1700-1800 | 1 | 2,0 | 1 |



Thermometer Chemical

| Reference | Range (°C) | Division (°C) | Length (cm) | Feature | Pack unit |
|-----------|------------|---------------|-------------|-----------------------------------|-----------|
| AKJB003 | -10/50 | 0,5 | 30 | solid-stem with white background | 1 |
| AKJB004 | -10/100 | 0,5 | 30 | solid-stem with white background | 1 |
| AKJB006 | -10/110 | 1 | 30 | solid-stem with white background | 1 |
| AKJB007 | -10/150 | 1 | 30 | solid-stem with white background | 1 |
| AKJB010 | -10/50 | 1 | 30 | solid-stem with yellow background | 1 |
| AKJB011 | -10/110 | 1 | 30 | solid-stem with yellow background | 1 |
| AKJB012 | -10/150 | 1 | 30 | solid-stem with yellow background | 1 |
| AKJB013 | -10/200 | 1 | 30 | solid-stem with yellow background | 1 |





Technical information

| Abbreviation | Description | Application temperature (°C) | |
|--------------|---------------------------------------|------------------------------|-------------|
| | | from | to |
| FEP | Tetrafluor ethylene perfluorpropylene | -100 | +205 |
| PE-HD | Polyethylene high density | -50 | +80 (+120) |
| PE-LD | Poluethylene low density | -50 | +75 (+90) |
| MF | Melamine | -60 | +80 (+120) |
| PE | Polyethylene | -40 | +80 (+90) |
| PFA | Perfluoralkoxy | -200 | +260 |
| PMP (TPX®) | Polymethylpentene | 0 | 150 (+180) |
| PP | Polypropylene | -10 | +110 (+140) |
| PS | Polystyrene | -20 | +70 (+80) |
| PTFE | Polytetrafluor ethylene | -200 | +260 |
| PVC | Polyvinylchlorid | -20 | +80 |

03 PLASTICWARE

- 92 . Volumetric flask
- 92 . Measuring cylinder
- 93 . Griffin beaker
- 93 . Graduated beaker
- 94 . Measuring Jug
- 94 . Flask Erlenmeyer
- 94 . Burette
- 95 . Sedimentation cone
- 95 . Funnel
- 95 . Funnel Urbanti
- 96 . Long stem funnel
- 96 . Short stem funnel
- 96 . Powder funnel
- 96 . Buchner funnel
- 97 . Measuring scoops
- 97 . Scoops
- 97 . Dropping bottle
- 98 . Wash bottle
- 98 . Narrow mouth bottle
- 99 . Wide mouth bottle.
- 100 . Bottle for water sampling
- 100 . Bottle with screw cap
- 101 . Drums
- 101 . Buckets
- 101 . Instruments trays
- 101 . Laboratory/catchment trays
- 101 . Conical bottom tube
- 102 . Round bottom tube
- 103 . Cap
- 104 . Centrifuge tube
- 104 . Microtube
- 105 . Cryogen® Internal cap for tubes
- 105 . Cryogen® External cap for tubes
- 106 . Sterile microtube
- 106 . Tube only
- 106 . Cap disks
- 107 . Screw cap for microtube
- 107 . Microtiter plate
- 107 . Pasteur pipette
- 107 . Petri dish
- 108 . Support for Petri dish
- 108 . Anaerobiosis jar
- 108 . Loop
- 109 . Inoculation loop
- 109 . Digrafsky spreader
- 109 . Whirl-Pak sample bags
- 110 . Bag
- 111 . Bag rack
- 111 . Indicator tapes
- 111 . Racks, supports and containers
- 116 . Magnetic stirring bar
- 116 . Magnetic stirring bar retriever
- 116 . Emergency eyewash bottle
- 117 . Medical grade silicone tubing
- 117 . Cassettes
- 119 . Tissue embedding sponge
- 119 . Staining jar
- 119 . Staining system
- 119 . Microscope slides storage
- 121 . Cabinets and drawers
- 122 . Spatula
- 122 . Swabs

CLASS
B

Volumetric flask PP, with stopper

Available in PFA, opaque, class A

| Reference | Capacity (ml) | Tolerance (±) | Joint | Pack unit |
|-----------|---------------|---------------|-------|-----------|
| V677941 | 10 | 0,08 | 10/19 | 6 |
| V671941 | 25 | 0,08 | 10/19 | 6 |
| V672941 | 50 | 0,12 | 12/21 | 6 |
| V673941 | 100 | 0,20 | 14/23 | 6 |
| V674941 | 250 | 0,30 | 19/26 | 5 |
| V675941 | 500 | 0,50 | 19/26 | 4 |
| V676941 | 1000 | 0,80 | 24/29 | 3 |

CLASS
B

Volumetric flask PP, with screw cap

Available in PFA, opaque, class A

| Reference | Capacity (ml) | Tolerance (±) | GL | Pack unit |
|-----------|---------------|---------------|----|-----------|
| V677891 | 10 | 0,08 | 18 | 6 |
| V671891 | 25 | 0,08 | 18 | 6 |
| V672891 | 50 | 0,12 | 18 | 6 |
| V673891 | 100 | 0,20 | 18 | 6 |
| V674891 | 250 | 0,30 | 25 | 5 |
| V675891 | 500 | 0,50 | 25 | 4 |
| V676891 | 1000 | 0,80 | 32 | 3 |

CLASS
B

Measuring cylinder PP

Blue printing

| Reference | Capacity (ml) | Tolerance (±) | In | Pack unit |
|-----------|---------------|---------------|----|-----------|
| V646081 | 10 | 0,20 | 15 | 12 |
| V647081 | 25 | 0,50 | 22 | 12 |
| V648081 | 50 | 1 | 27 | 12 |
| V649081 | 100 | 1 | 33 | 12 |
| V650081 | 250 | 2 | 44 | 6 |
| V651081 | 500 | 5 | 58 | 6 |
| V652081 | 1000 | 10 | 69 | 6 |
| V653081 | 2000 | 20 | 97 | 3 |

CLASS
B

Measuring cylinder PP, Raised Scale

Available in PMP and Class A

| Reference | Capacity (ml) | Tolerance (±) | In | Pack unit |
|-----------|---------------|---------------|----|-----------|
| V646941 | 10 | 0,20 | 15 | 12 |
| V647941 | 25 | 0,50 | 22 | 12 |
| V648941 | 50 | 1 | 27 | 12 |
| V649941 | 100 | 1 | 33 | 12 |
| V650941 | 250 | 2 | 44 | 6 |
| V651941 | 500 | 5 | 58 | 6 |
| V652941 | 1000 | 10 | 69 | 6 |
| V653941 | 2000 | 20 | 97 | 3 |

Measuring cylinder PP, Low form, Raised Scale

| Reference | Capacity (ml) | Tolerance \pm (ml) | In | Pack unit |
|-----------|---------------|----------------------|----|-----------|
| V640941 | 25 | 0,5 | 22 | 12 |
| V641941 | 50 | 1 | 27 | 12 |
| V642941 | 100 | 2 | 37 | 12 |
| V643941 | 250 | 5 | 51 | 6 |
| V644941 | 500 | 10 | 67 | 6 |
| V645941 | 1000 | 20 | 78 | 6 |



CLASS
B

Griffin beaker

Easily readable, with Red or Blue printing, PFA available

| PMP Red printing | PP Blue printing | Capacity (ml) | Tolerance \pm (ml) | In | Pack unit |
|------------------|------------------|---------------|----------------------|-----|-----------|
| V60503 | V605081 | 10 | 2 | 25 | 12 |
| V60603 | V606081 | 25 | 5 | 31 | 12 |
| V60703 | V607081 | 50 | 10 | 40 | 12 |
| V60803 | V608081 | 100 | 20 | 49 | 12 |
| V60903 | V609081 | 150 | 20 | 56 | 12 |
| V61003 | V610081 | 250 | 50 | 68 | 6 |
| V61103 | V611081 | 400 | 50 | 77 | 6 |
| V61803 | V618081 | 500 | 100 | 88 | 6 |
| V61203 | V612081 | 600 | 100 | 91 | 6 |
| V61403 | V614081 | 1000 | 100 | 102 | 6 |
| V61503 | V615081 | 2000 | 200 | 133 | 6 |
| V61603 | V616081 | 3000 | 200 | 174 | 4 |
| V61703 | V617081 | 5000 | 500 | 185 | 4 |

Note: to preserve markings, cleaning at no higher than 60°C is recommended



Graduated beaker, PP, blue raised scale

Food-safe product, temperature resistance: -10°C up to +120°C

| Reference | Capacity (ml) | Division (ml) | Diam x Height | Pack unit |
|-----------|---------------|---------------|---------------|-----------|
| V446081 | 50 | 2 | 40 x 70 | 24 |
| V447081 | 100 | 2 | 50 x 80 | 24 |
| V440081 | 250 | 5 | 70 x 120 | 12 |
| V441081 | 500 | 10 | 91 x 133 | 12 |
| V442081 | 1000 | 10 | 116 x 170 | 6 |
| V443081 | 2000 | 20 | 150 x 215 | 6 |
| V444081 | 3000 | 50 | 170 x 242 | 6 |
| V445081 | 5000 | 100 | 210 x 270 | 6 |

Note: to preserve markings, cleaning at no higher than 60°C is recommended





Measuring Jug PP, Raised scale, Low form



Food-safe product, Temperature resistance -10°C to +120°C

| Reference | Capacity (ml) | Division (ml) | Ø x height (mm) | Pack unit |
|-----------|---------------|---------------|-----------------|-----------|
| LA1156 | 500 | 25 | 75 x 120 | 1 |
| LA1157 | 1000 | 50 | 120 x 135 | 1 |
| LA1158 | 2000 | 100 | 145 x 170 | 1 |
| LA1159 | 3000 | 100 | 165 x 185 | 1 |
| LA1160 | 5000 | 250 | 190 x 235 | 1 |



Flask Erlenmeyer PMP, PP, with screw cap

| Reference PMP | Reference PP | Capacity (ml) | Division (ml) | GL | In | Pack unit |
|---------------|--------------|---------------|---------------|----|-------|-----------|
| V66695 | V666941 | 50 | 10 | 40 | 34/35 | 6 |
| V66795 | V667941 | 100 | 20 | 40 | 34/35 | 6 |
| V66895 | V668941 | 250 | 50 | 52 | 45/40 | 6 |
| V66995 | V669941 | 500 | 100 | 52 | 45/40 | 6 |
| V67095 | V670941 | 1000 | 200 | 52 | 45/40 | 4 |



Flask Erlenmeyer PP, without stopper

Autoclavable

| Reference | Capacity (ml) | Division (ml) | In | Pack unit |
|-----------|---------------|---------------|-------|-----------|
| K1460 | 50 | 10 | 14/23 | 20 |
| K1461 | 125 | 25 | 14/23 | 20 |
| K1462 | 250 | 25 | 19/26 | 15 |
| K1463 | 500 | 50 | 24/29 | 8 |
| K1464 | 1000 | 50 | 29/32 | 8 |
| K1465 | 2000 | 100 | 34/35 | 1 |



ISO 385

Burette Dr. Schilling type, Class AS

Graduated tube high resistance borosilicate glass

| Reference | Capacity (ml) | Division (ml) | Tolerance ± (ml) | Flask cap. (ml) | Pack unit |
|-----------|---------------|---------------|------------------|-----------------|-----------|
| 3086922 | 5 | 0,02 | 0,01 | 500 | 1 |
| 3086927 | 10 | 0,05 | 0,03 | 500 | 1 |
| 3086933 | 25 | 0,10 | 0,05 | 1000 | 1 |
| 3086936 | 50 | 0,10 | 0,05 | 1000 | 1 |

Burette PMP, PVC, FEP, Graduated

Graduated

| Reference | Capacity (ml) | Division (ml) | Pack unit |
|-----------|---------------|---------------|-----------|
| K1997 | 10 | 0,1 | 1 |
| K1998 | 25 | 0,1 | 1 |
| K1999 | 50 | 0,1 | 1 |



CLASS
B

DIN
12700

Sedimentation cone PMP, Imhoff

| Reference | Capacity (ml) | Feature | Dimension (mm) | Pack unit |
|-----------|---------------|------------------|-----------------|-----------|
| V75991 | 1000 | - | Ø 125 x 480 | 3 |
| K1056 | - | Rack for 2 cones | 150 x 300 x 294 | 1 |



DIN
12672

Funnel TPX, Separating, Autoclavable

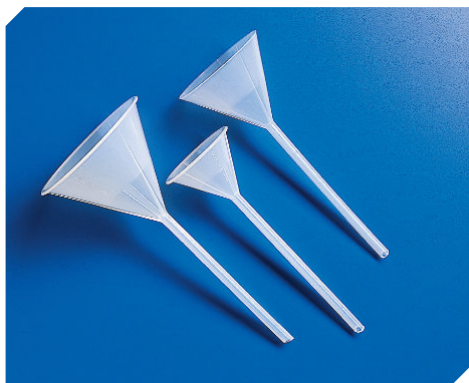
| Reference | Capacity (ml) | In | Pack unit |
|-----------|---------------|-------|-----------|
| K978 | 500 | 29/32 | 1 |



Funnel Urbanti PMP, Rapid filtration

| Reference | Capacity (ml) | Diam. x Length (mm) | Diam. x stem length (mm) | Pack unit |
|-----------|---------------|---------------------|--------------------------|-----------|
| V325095 | 30 | 51 x 195 | 3 x 150 | 6 |
| V325195 | 80 | 70 x 210 | 3 x 150 | 6 |
| V325295 | 250 | 100 x 198 | 7 x 108 | 4 |
| V325395 | 630 | 140 x 247 | 10 x 132 | 3 |
| V325495 | 1800 | 196 x 315 | 20 x 155 | 2 |





Long stem funnel, PP

| Reference | Capacity (ml) | Diameter (mm) | Diam. x stem length (mm) | Pack unit |
|-----------|---------------|---------------|--------------------------|-----------|
| K162 | 50 | 65 | 8 x 150 | 10 |
| K164 | 100 | 78,5 | 8 x 143 | 10 |
| K165 | 225 | 103,5 | 8 x 145 | 10 |



Short stem funnel, PP

| Reference | Capacity (ml) | Ø x length (mm) | Ø x stem length (mm) | Pack unit |
|-----------|---------------|-----------------|----------------------|-----------|
| V40894 | 5 | 30 x 45 | 1,5 x 25 | 24 |
| V41094 | 6 | 30 x 47 | 4 x 25 | 24 |
| V41194 | 14 | 40 x 65 | 4 x 35 | 24 |
| V41294 | 32 | 50 x 85 | 7 x 43 | 24 |
| V41394 | 88 | 75 x 110 | 6 x 55 | 12 |
| V41494 | 222 | 100 x 155 | 8 x 77 | 12 |
| V41594 | 342 | 120 x 180 | 11 x 90 | 12 |
| V41694 | 817 | 150 x 220 | 18 x 95 | 12 |



Powder funnel, PP

| Reference | Ø x length (mm) | Stem Ø x stem length (mm) | Pack unit |
|-----------|-----------------|---------------------------|-----------|
| V70794 | 65 x 68 | 15 x 25 | 10 |
| V70894 | 80 x 75 | 21 x 25 | 10 |
| V70994 | 100 x 94 | 22 x 20 | 10 |
| V71094 | 120 x 110 | 26 x 20 | 10 |
| V71194 | 150 x 138 | 28 x 22 | 5 |



Büchner Funnel, PP

Upper and lower parts are detachable to facilitate cleaning

| Reference | Capacity (ml) | Filter Ø x length (mm) | Hole Ø (mm) | Pack unit |
|-----------|---------------|------------------------|-------------|-----------|
| K437 | 40 | 42,5 x 95 | 1,2 | 1 |
| K438 | 70 | 55 x 113 | 1,1 | 1 |
| K439 | 180 | 70 x 145 | 2 | 1 |
| K440 | 280 | 80 x 165 | 2 | 1 |
| K441 | 390 | 90 x 180 | 2,5 | 1 |
| K442 | 810 | 110 x 210 | 2,5 | 1 |
| K443 | 2100 | 160 x 280 | 2,75 | 1 |
| K445 | 6000 | 240 x 350 | 3,0 | 1 |

Measuring scoops, PP Coloured

| Reference | Capacity (ml) | Colour | Pack unit |
|-----------|---------------|--------------|-----------|
| V396940 | 100 | red | 12 |
| V396943 | 100 | grey | 12 |
| V396944 | 100 | black | 12 |
| V396946 | 100 | yellow | 12 |
| V396950 | 100 | blue | 12 |
| V396952 | 100 | green | 12 |
| V396955 | 100 | bright blues | 12 |



Measuring scoops, PP

| Reference | Capacity (ml) | Length (mm) | Pack unit |
|-----------|---------------|-------------|-----------|
| V39194 | 2 | 60 | 12 |
| V39294 | 5 | 82 | 12 |
| V39394 | 10 | 100 | 12 |
| V39494 | 25 | 135 | 12 |
| V39594 | 50 | 160 | 12 |
| V39694 | 100 | 200 | 12 |
| V39794 | 250 | 260 | 6 |
| V39894 | 500 | 315 | 6 |
| V39994 | 1000 | 385 | 6 |



Scoops, PE-HD

Conical in shape with tapered filling edge

| Reference | Capacity (ml) | Length (mm) | Pack unit |
|-----------|---------------|-------------|-----------|
| V40093 | 15 | 115 | 12 |
| V40193 | 25 | 135 | 12 |
| V40293 | 65 | 185 | 12 |
| V40393 | 110 | 215 | 12 |
| V40493 | 150 | 250 | 12 |
| V40593 | 350 | 310 | 6 |
| V40693 | 750 | 350 | 6 |
| V40793 | 1250 | 400 | 6 |



Dropping bottle Polyethylene, Ranvier type

With dropper

| Reference | Capacity (ml) | Ø x height (mm) | Pack unit |
|-----------|---------------|-----------------|-----------|
| K388 | 50 | 35 x 96 | 10 |
| K389 | 100 | 43 x 115 | 10 |
| K391 | 250 | 60 x 140 | 10 |
| K392 | 500 | 75 x 180 | 10 |
| K393 | 1000 | 95 x 220 | 10 |





Wash bottle Polyethylene, GL 45

Screw cap with tube, Mouth diameter: 38 mm

| Reference | Capacity (ml) | Division (ml) | Diameter (mm) | Cap colour | Pack unit |
|-----------|---------------|---------------|---------------|------------|-----------|
| K1637-00 | 250 | 25 | 60 | white | 10 |
| K1637-04 | 250 | 25 | 60 | blue | 10 |
| K1637-06 | 250 | 25 | 60 | yellow | 10 |
| K1637-10 | 250 | 25 | 60 | red | 10 |
| K1638-00 | 500 | 100 | 75 | white | 10 |
| K1638-04 | 500 | 100 | 75 | blue | 10 |
| K1638-06 | 500 | 100 | 75 | yellow | 10 |
| K1638-10 | 500 | 100 | 75 | red | 10 |



Wash bottle Polyethylene, narrow neck

Screw cap with tube, Food-safe product

| Reference | Capacity (ml) | Height (mm) | Diameter (mm) | Pack unit |
|-----------|---------------|-------------|---------------|-----------|
| LA182 | 250 | 218 | 58 | 1 |
| LA183 | 500 | 218 | 70 | 1 |
| LA185 | 1000 | 270 | 90 | 1 |



Wash bottle Polyethylene, GL 32

Integral type

| Reference | Capacity (ml) | Height (mm) | Pack unit |
|-----------|---------------|-------------|-----------|
| K1633 | 250 | 143 | 10 |
| K1634 | 500 | 181 | 10 |



Narrow mouth bottle, PE, Graduated

Food-safe product

| Reference | Capacity (ml) | Mouth (mm) | Ø x height (mm) | Pack unit |
|-----------|---------------|------------|-----------------|-----------|
| LA317 | 50 | 18,5 | 39 x 76 | 1 |
| LA319 | 125 | 18,5 | 48 x 115 | 1 |
| LA323 | 250 | 23 | 60 x 138 | 1 |
| LA324 | 500 | 23 | 74 x 165 | 1 |
| LA325 | 1000 | 34,5 | 93 x 201 | 1 |
| LA326 | 2000 | 34,5 | 116 x 275 | 1 |

Narrow mouth bottle, PP

| Reference White | Capacity (ml) | GL | Diam. x height (mm) | Pack unit |
|-----------------|---------------|----|---------------------|-----------|
| V94994 | 250 | 25 | 58 x 135 | 12 |
| V95094 | 500 | 25 | 74 x 180 | 12 |
| V95194 | 1000 | 32 | 92 x 215 | 12 |
| K1595 | 50 | 18 | 28x92 | 100 |
| K1597 | 100 | 18 | 48x108 | 100 |
| K1599 | 250 | 25 | 60x150 | 50 |
| K1601 | 500 | 25 | 75x182 | 25 |
| K1603 | 1000 | 32 | 95x224 | 20 |



Narrow mouth bottle, PE-LD

Transparent with high shoulders. With screw cap made of PP

| Reference | Capacity (ml) | GL | Ø x height (mm) | Pack unit |
|-----------|---------------|----|-----------------|-----------|
| V94589 | 50 | 18 | 37 x 73 | 24 |
| V94689 | 100 | 18 | 43 x 95 | 24 |
| V94989 | 250 | 25 | 58 x 135 | 12 |
| V95089 | 500 | 25 | 74 x 180 | 12 |
| V95189 | 1000 | 32 | 92 x 221 | 12 |



Narrow mouth bottle, PE-LD

Transparent with flat shoulders. With screw cap made of PE-LD

| Reference White | Capacity (ml) | GL | Ø x height (mm) | Pack unit |
|-----------------|---------------|----|-----------------|-----------|
| V138093 | 10 | 14 | 26 x 50 | 100 |
| V138193 | 20 | 14 | 31 x 58 | 100 |
| V138293 | 30 | 14 | 34 x 66 | 100 |
| V138393 | 50 | 18 | 39 x 85 | 100 |
| V138493 | 100 | 18 | 45 x 106 | 50 |
| V138593 | 250 | 25 | 59 x 140 | 50 |
| V138693 | 500 | 25 | 75 x 180 | 50 |
| V138793 | 1000 | 28 | 94 x 212 | 25 |
| V138893 | 2000 | 28 | 117 x 264 | 25 |



Wide mouth bottle, PP/PE

| Reference PP | Reference PE | Capacity (ml) | GL | Ø x height (mm) | Pack unit |
|--------------|--------------|---------------|----|-----------------|-----------|
| — | V139393 | 50 | 32 | 38 x 80 | 100 |
| — | V139493 | 100 | 32 | 76 x 155 | 50 |
| — | V139593 | 250 | 40 | 93 x 208 | 50 |
| V93794 | — | 250 | 45 | 120 x 246 | 12 |
| V93994 | — | 500 | 45 | 39 x 87 | 12 |
| — | V139693 | 500 | 50 | 47 x 94 | 50 |
| V94194 | — | 1000 | 63 | 58 x 146 | 12 |
| — | V139793 | 1000 | 65 | 76 x 166 | 25 |
| — | V139893 | 2000 | 65 | 91 x 226 | 25 |
| K1621 | K1608 | 50 | 32 | 38x88 | 100 |
| K1623 | K1610 | 100 | 32 | 48x105 | 100 |
| K1625 | K1612 | 250 | 45 | 60x140 | 50 |
| K1627 | K1614 | 500 | 45 | 75x170 | 25 |
| K1629 | K1616 | 1000 | 63 | 95x206 | 17 |
| K1631 | K1618 | 2000 | 63 | 120x252 | 15 |





Wide mouth bottle PE, Graduated, Rectangular

Food-safe product

| Reference | Capacity (ml) | Mouth (mm) | Dimension (mm) | Height (mm) | Pack unit |
|-----------|---------------|------------|----------------|-------------|-----------|
| LA609 | 50 | 24 | 35 x 37 | 70 | 1 |
| LA610 | 100 | 34,5 | 44 x 47 | 90 | 1 |
| LA611 | 250 | 34,5 | 57 x 60 | 110 | 1 |
| LA612 | 500 | 45 | 70 x 80 | 138 | 1 |
| LA613 | 1000 | 60 | 82 x 102 | 176 | 1 |
| LA614 | 2000 | 60 | 100 x 134 | 210 | 1 |



Wide mouth bottle, PE, Graduated, Round

Food-safe product

| Reference | Capacity (ml) | Mouth (mm) | Ø x height (mm) | Pack unit |
|-----------|---------------|------------|-----------------|-----------|
| LA408 | 50 | 24 | 40 x 77 | 1 |
| LA409 | 100 | 24 | 48 x 89 | 1 |
| LA410 | 250 | 34,5 | 61 x 126 | 1 |
| LA411 | 500 | 34,5 | 75 x 161 | 1 |
| LA412 | 1000 | 45 | 93 x 201 | 1 |



Bottle for water sampling Polyethylene, Sterilized by radiation

Liquid thiosulphate (24 mg/l). Available in other concentrations

| Reference | Capacity (ml) | Feature | Pack unit |
|------------|---------------|------------------------------|-----------|
| 7282320 | 500 | with thiosulphate | 24 |
| 7282321 | 1000 | with thiosulphate | 20 |
| 7282323 | 500 | with thiosulphate | 111 |
| 7282323.BU | 500 | with thiosulphate, unit pack | 111 |
| 7282324 | 1000 | with thiosulphate | 74 |
| 7282324.BU | 1000 | with thiosulphate, unit pack | 74 |
| 7282330 | 500 | without thiosulphate | 24 |
| 7282331 | 1000 | without thiosulphate | 20 |
| 7282333 | 500 | without thiosulphate | 111 |
| 7282334 | 1000 | without thiosulphate | 74 |



Bottle with screw cap PE-HD, Wide mouth, Insert plug

Sterile are individually packed

| Reference Non-Sterile | Reference Sterile | Capacity (ml) | Pack unit |
|-----------------------|-------------------|---------------|-----------|
| 7202811 | — | 30 | 100 |
| 7202810 | — | 60 | 200 |
| 7202808 | — | 90 | 150 |
| 7202809 | — | 125 | 200 |
| 7202801 | — | 170 | 160 |
| 7202802 | 7202802.1 | 250 | 125 |
| 7202814 | 7202814.1 | 400 | 130 |
| 7202821 | 7202821.O | 500 | 93 |
| 7202813 | 7202813.1O | 750 | 75 |
| 7202818 | 7202828G | 1000 | 50 |
| 7202804 | — | 1250 | 50 |
| 7202815 | 7202815B.O | 1550 | 45 |
| 7202820 | 7202820.O | 2000 | 35 |

Drums PE, High density

Food-safe product

| Reference | Feature | Capacity (L) | Ø x height (mm) | Mouth (mm) | Pack unit |
|-----------|-----------------------|--------------|-----------------|------------|-----------|
| LA414 | wide mouth | 5 | 167 x 350 | 85 | 18 |
| LA1187S* | narrow mouth | 5 | 210 x 420 | 100 | 18 |
| LA415 | wide mouth | 10 | 167 x 355 | 51 | 10 |
| LA1188S* | narrow mouth | 10 | 212 x 430 | 51 | 10 |
| LA1191S* | narrow mouth | 25 | 275 x 580 | 80 | 6 |
| LA1192S* | narrow mouth | 50 | 350 x 715 | 80 | 3 |
| LA1393 | Stopcock diameter 9mm | | | | 1 |

*with stopcock included



Buckets

| PE-HD | PP | Description | Volume (L) | Division (L) | Ø x Height (mm) | Pack unit |
|--------|--------|-------------|------------|--------------|-----------------|-----------|
| — | V96093 | bucket | 5 | 1 | 250 x 240 | 1 |
| — | V96293 | lid only | for 5 | — | — | 1 |
| — | V96393 | bucket | 10 | 1 | 290 x 300 | 1 |
| — | V96593 | lid only | for 10 | — | — | 1 |
| V96694 | — | with spout | 12 | 1 | 310 x 330 | 1 |
| V96794 | — | with spout | 15 | 1 | 310 x 370 | 1 |



Instruments trays, MF

Practical tray for instruments, tools and sensitive utensils

| Reference | Length (mm) | Width (mm) | Height (mm) | Pack unit |
|-----------|-------------|------------|-------------|-----------|
| V72098 | 190 | 150 | 40 | 5 |
| V72198 | 290 | 160 | 35 | 5 |
| V72398 | 290 | 160 | 60 | 5 |
| V72498 | 340 | 245 | 100 | 5 |
| V72298 | 350 | 250 | 40 | 5 |



Laboratory/catchment trays, PP

Rounded corners and edges. Smooth surfaces, easy to clean

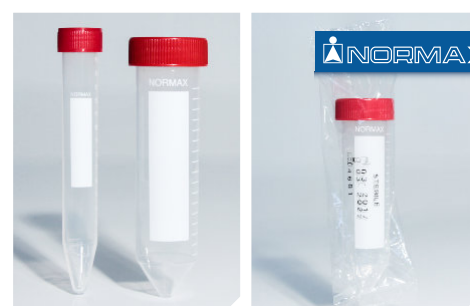
| Reference | Length (mm) | Width (mm) | Height (mm) | Pack unit |
|-----------|-------------|------------|-------------|-----------|
| V165094 | 130 x 180 | 180 x 230 | 42 | 1 |
| V165194 | 180 x 240 | 250 x 310 | 65 | 1 |
| V165294 | 240 x 300 | 310 x 370 | 75 | 1 |
| V165394 | 300 x 400 | 420 x 520 | 120 | 1 |
| V165494 | 400 x 500 | 534 x 634 | 140 | 1 |
| V165594 | 500 x 700 | 648 x 846 | 160 | 1 |



Conical bottom tube, PP transparent, Printed graduation

Sterilised by ethylene oxide, Red cap, Centrifuge resistance 11000 xg

| Reference | Capacity (ml) | Base | Sterile | Inner package | Tube | Cap | Pack unit |
|-----------|---------------|------|---------|---------------|------|-------|-----------|
| NX20015 | 15 | no | yes | 50 | PP | PP | 1000 |
| NX20050 | 50 | no | yes | 25 | PP | PE-HD | 500 |
| NX20051 | 50 | no | yes | 100 | PP | PE-HD | 500 |
| NX20052 | 50 | yes | no | unit pack | PP | PE-HD | 500 |
| NX20053 | 50 | no | yes | unit pack | PP | PE-HD | 500 |



AUTO
121 °C



Conical bottom tube, PP transparent, Raised scale, 15ml

Sterilised by radiation, centrifuge resistance 7000 xg (sterile models 5.000g)

| Reference | Sterile | Pack unit |
|-----------|-----------------------------|-----------|
| 7429910 | No (autoclavable at 121 °C) | 500 |
| 7429920 | Yes, 100 units pack | 5 x 100 |
| 7429946 | Yes, unit pack | 500 |



AUTO
121 °C

Conical bottom tube, Raised scale, 50 ml

Sterilised by radiation, Centrifuge resistance 12000 xg (sterile models 7000 xg)

| Reference | Feature | Sterile | Pack unit |
|------------|------------------------------|---------|-----------|
| 7429900 | conical bottom | no | 500 |
| 7429900SP | conical bottom unscrewed cap | no | 500 |
| 7429901 | self-standing bottom | no | 500 |
| 7429926 | conical bottom | yes | 500 |
| 7429926.25 | conical bottom | yes | 20 x 25 |
| 7429926.10 | conical bottom | yes | 5 x 100 |
| 7429927 | self-standing bottom | yes | 500 |
| 7429927.25 | self-standing bottom | yes | 20 x 25 |
| 7429927.10 | self-standing bottom | yes | 5 x 100 |



AUTO
121 °C

Conical bottom tube, PP transparent, Printed graduation

Sterilised by radiation, DNase and RNase and pyrogen free, centrifuge resistance 14000 xg

| Reference | Capacity (L) | Feature | Sterile | Pack unit |
|-----------|--------------|----------------------|---------|-----------|
| 7429940 | 15 | Conical bottom | No* | 500 |
| 7429945 | 15 | Conical bottom | No* | 20 x 25 |
| 7429942 | 15 | Conical bottom | yes | 20 x 25 |
| 7429930 | 50 | Conical bottom | No* | 20 x 25 |
| 7429931 | 50 | Conical bottom | yes | 20 x 25 |
| 7429950 | 50 | Self-standing bottom | No* | 20 x 25 |
| 7429951 | 50 | Self-standing bottom | yes | 20 x 25 |

*Only non sterile models are Autoclavable at 121 °C



Round bottom tube, self-standing bottom, 12 ml

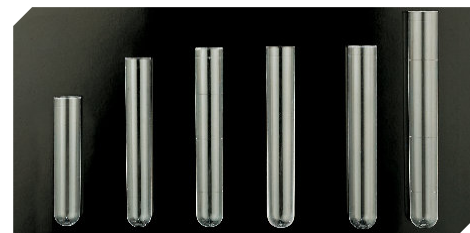
Sterilised by ethylene oxide, 15 x 102 mm

| Reference | Feature | Sterile | Pack unit |
|-----------|-------------------------------------|---------|-----------|
| 7301402 | Polystyrene, individually wrapped | yes | 6 x 250 |
| 7301403 | Polystyrene | No* | 6 x 250 |
| 7401402 | Polypropylene, individually wrapped | yes | 6 x 250 |
| 7401403 | Polypropylene, high transparency | No* | 6 x 250 |

*Only non sterile models are Autoclavable at 121 °C

Polystyrene tubes, Round bottom

| Reference | Capacity (mL) | Size (mm) | Pack unit |
|-----------|---------------|-----------|-----------|
| 7300500 | 3 | 11 x 55 | 2 x 2000 |
| 7300300 | 4 | 11 x 70 | 3 x 1000 |
| 7300800.1 | 5 | 12 x 75 | 4 x 1000 |
| 7300700 | 5 | 13 x 75 | 4 x 1000 |
| 7300705 | 10 | 16 x 100 | 5 x 500 |
| 7300100* | 17 | 16 x 150 | 1000 |



Polypropylene Tubes, Round bottom

| Reference | Volume (ml) | Size (mm) | Pack unit |
|-----------|-------------|-----------|-----------|
| 7400500 | 3 | 11 x 55 | 2 x 2000 |
| 7400800 | 5 | 12 x 75 | 4 x 1000 |
| 7400800.1 | 5 | 12 x 75 | 4 x 1000 |
| 7400700 | 5 | 13 x 75 | 4 x 1000 |
| 7400400 | 6 | 12 x 88 | 4 x 1000 |
| 7401700 | 7 | 13 x 100 | 6 x 500 |
| 7400900 | 10 | 16 x 95 | 5 x 500 |
| 7400705 | 10 | 16 x 100 | 5 x 500 |
| 7401100 | 5 | 15 x 50 | 5 x 1000 |



Tube 12 ml, Conical bottom

| Reference | Material | Size (mm) | Pack unit |
|-----------|---------------|-----------|-----------|
| 7301200 | polystyrene | 16 x 102 | 5 x 500 |
| 7401200 | polypropylene | 16 x 102 | 5 x 500 |
| 7301213 | polystyrene | 17 x 105 | 1500 |
| 7301212 | polystyrene | 17 x 105 | 1500 |
| 7301201 | polystyrene | 16 x 100 | 5 x 500 |
| 7401201 | polypropylene | 16 x 100 | 5 x 500 |
| 7301202 | polystyrene | 16 x 102 | 5 x 500 |
| 7401204 | polypropylene | 16 x 100 | 5 x 500 |



Cap, PE

Add caps colour number to the reference (ex: 73053**07**)

| Photo | Reference | Caps Colour | For tubes reference | Pack unit |
|-------|-----------|-------------------|--|-----------|
| 1 | 73053 | 02 08 07 06 | 7300500, 7400500 | 2 x 2000 |
| 11 | 73003 | 02 | 7300300 | 5 x 1000 |
| 2 | 73058 | 02 08 05 07 06 09 | 7300800.1, 7400800.1 | 2000 |
| 3 | 73071 | 02 08 05 07 06 09 | 7300700, 7400700 | 2000 |
| 4 | 73072 | 02 05 07 06 | 7300705, 7400705 | 2500 |
| 5 | 73050 | 02 08 07 | 7300705, 7400705 | 2500 |
| 6 | 73081 | 02 07 06 | 7300705, 7400705 | 2500 |
| 7 | 73070 | 06 | 7300100 | 1000 |
| 9 | 73082 | 02 05 | 7301201, 7401201, 7401204 | 2500 |
| 10 | 73066 | 01 | 7301213, 7301212 | 1500 |
| 8 | 73055 | 02 08 05 07 | 7301201, 7401201, 7301200, 7401200, 7301202, 7401204 | 2500 |



Centrifuge Tube

Sterilised by ethylene oxide, Centrifuge resistance 11000 xg

| Reference | Capacity (ml) | Dimension (mm) | Centrifugation speed | Bottom | with rack | Bag (unit) | Case (sale unit) |
|-----------|---------------|----------------|-----------------------|---------------|-----------|------------|------------------|
| CL474 | 50 | 116 x 28 | 12000 r/min; 14800 xg | conical | no | 25 | 500 |
| CL475 | 50 | 116 x 28 | 12000 r/min; 14800 xg | conical | yes | 25 | 500 |
| CL477 | 50 | 118 x 28 | 12000 r/min; 14800 xg | self standing | no | 25 | 500 |
| CL482 | 15 | 120 x 16 | 10000 r/min; 10280 xg | conical | no | 25 | 500 |
| CL490 | 15 | 120 x 16 | 10000 r/min; 10280 xg | conical | yes | 50 | 500 |



All CLEARLine centrifuge tubes are packaged in bags or racks sterile, RNase-free, DNase-free and Non-pyrogenic.

- High transparency polypropylene
- Black graduation
- Sterilised at gamma rays SAL 10-6
- Temperature range -80 °C to 100 °C
- Autoclavable at 121 °C during 20 min

Packaging information:

- Batch number is printed on packaging for tracking
- Heat-sealed bag, reusable zip bag
- PS rack, heat shrinking pack



Microtube PP, For PCR

RNAse, DNase and PCR inhibitors free, Autoclavable

| Reference | Capacity (ml) | Colour | Pack unit |
|-----------|---------------|---------|-----------|
| 74094.1N | 0,2 | natural | 1000 |
| 74094.1R | 0,2 | red | 1000 |
| 74094.1V | 0,2 | green | 1000 |
| 74094.1AM | 0,2 | yellow | 1000 |
| 74094.1A | 0,2 | blue | 1000 |



Microtube PP, graduated

| Reference | Capacity (ml) | Dimension (mm) | Centrifuge Resistance | Feature | Pack unit |
|------------|---------------|----------------|-----------------------|-----------------------------------|-----------|
| 74092.1N* | 0,5 | 7,7 x 30,8 | 17000 xg | Natural, graduated | 10 x 1000 |
| 74092.1NS* | 0,5 | 7,7 x 30,8 | 17000 xg | Natural, graduated, low adherence | 10 x 500 |
| 7200400P | 1,5 | 10,6 x 41,5 | 12500 xg | graduated | 12 X 500 |
| 74092.7N** | 2 | 10,3 x 40,5 | 12000 xg | Secure lock with safety shield | 10 X 500 |

*used from -80 °C to 121 °C

**used from -20 °C to 121 °C

AUTO
121°C

Microtubes Clearline® PP, Graduated

DNase, RNase, Human DNA, ATP, Pyrogen free, Centrifugable up to 25000 xg

| Reference | Capacity (ml) | Colour | Bag (unit) | Case (sale unit) |
|-----------|---------------|---------|------------|------------------|
| CL022 | 1,5 | neutral | 500 | 1000 |
| CL0269 | 2 | neutral | 500 | 1000 |



AUTO
121 °C

CLEAR-LOCK™ microtubes with secure locking system

DNase, RNase, Human DNA, ATP, Pyrogen free, Centrifugable up to 25000 xg

| Reference | Capacity (ml) | Type | Bag (unit) | Case (sale unit) |
|----------------|---------------|---------|------------|------------------|
| CL05.001.0500 | 0,5 | - | 500 | 500 |
| CL15.002.0500 | 1,5 | - | 500 | 1000 |
| CL20.002.0500 | 2 | - | 500 | 1000 |
| CL50.002.0100 | 5 | - | 100 | 200 |
| CL05.050.0001S | 0,5 | STERILE | 1 | 50 |
| CL15.100.0001S | 1,5 | STERILE | 1 | 100 |
| CL20.100.0001S | 2 | STERILE | 1 | 100 |
| CL50.050.0001S | 5 | STERILE | 1 | 50 |
| CL50.010.0020S | 5 | STERILE | 20 | 200 |
| CL05.010.1000B | 0,5 | In bulk | 1000 | 10000 |
| CL15.010.1000B | 1,5 | In bulk | 1000 | 10000 |
| CL20.008.1000B | 2 | In bulk | 1000 | 8000 |
| CL50.006.0500B | 5 | In bulk | 500 | 3000 |



AUTO
121 °C

Cryogen® Internal cap for tubes

Sterile, DNase, RNase, Human DNA, ATP, Pyrogen free

| Reference | Capacity (ml) | Height (cm) | Bottom | Bag (unit) | Case (sale unit) |
|-------------|---------------|-------------|---------------|------------|------------------|
| CL1ARBIPSTS | 1,2 | 4,27 | Self standing | 50 | 500 |
| CL2ARBIPSTS | 2 | 4,82 | Self standing | 50 | 500 |
| CL2ARIPSTS | 2 | 4,70 | Round | 50 | 500 |
| CL4ARBIPSTS | 4 | 7,62 | Self standing | 50 | 500 |
| CL4ARIPSTS | 4 | 7,50 | Round | 50 | 500 |
| CL5ARBIPSTS | 5 | 9,03 | Self standing | 50 | 500 |
| CL5ARIPSTS | 5 | 8,92 | Round | 50 | 500 |

6 colour caps available. To order add the desired color to the tube reference:

/V (green) /RO (red) /G (yellow) /BI (white) /AZ (blue) /VI (violet)



Cryogen® External cap for tubes

Sterile, DNase, RNase, Human DNA, ATP, Pyrogen free

| Reference | Capacity (ml) | Height (cm) | Bottom | Bag (unit) | Case (sale unit) |
|-------------|---------------|-------------|---------------|------------|------------------|
| CL1ARBEPSTS | 1,2 | 4,02 | Self standing | 50 | 500 |
| CL2ARBEPSTS | 2 | 4,56 | Self standing | 50 | 500 |
| CL2AREPSTS | 2 | 4,45 | Round | 50 | 500 |
| CL3ARBEPSTS | 3 | 6,92 | Self standing | 50 | 500 |
| CL4ARBEPSTS | 4 | 7,36 | Self standing | 50 | 500 |
| CL5ARBEPSTS | 5 | 8,76 | Self standing | 50 | 500 |

6 colour caps available. To order add the desired color to the tube reference:

/V (green) /RO (red) /G (yellow) /BI (white) /AZ (blue) /VI (violet)



Microcentrifuge Tubes Screw Caps

- CLEARLine® certificated DNase, RNase and Pyrogen free.
- Sterile beta-ray SAL10⁻⁶
- Medical grade raw materials
- Tubes made in medical polypropylene and cap in medical polyethylene
- Engraved writing surface and graduation for accurate measurements
- Autoclavable at 121°C steam for 20 minutes



Sterile microtube O-ring cap

Centrifugation up to 16400 rpm or 25000 xg and temp. from - 85 °C to ° 121°C

| Reference | Capacity (ml) | Height (mm ± 0,34) | Bottom | Writing area | Collar | Bag (unit) | Case (sale unit) |
|-----------|---------------|--------------------|---------------|--------------|--------|------------|------------------|
| CL604/S | 0,5 | 47,1 | conical | — | — | 500 | 1000 |
| CL606/S | 0,5 | 48,5 | conical | — | x | 500 | 1000 |
| CL614/S | 0,5 | 47,5 | self standing | — | — | 500 | 1000 |
| CL616/S | 0,5 | 49,2 | self standing | — | x | 500 | 1000 |
| CL724/S | 1,5 | 47,1 | conical | x | — | 500 | 1000 |
| CL726/S | 1,5 | 48,2 | conical | x | x | 500 | 1000 |
| CL734/S | 1,5 | 47,6 | self standing | x | — | 500 | 1000 |
| CL736/S | 1,5 | 49 | self standing | x | x | 500 | 1000 |
| CL744/S | 2,0 | 47,2 | conical | x | — | 500 | 1000 |
| CL746/S | 2,0 | 48,4 | conical | x | x | 500 | 1000 |
| CL754/S | 2,0 | 48,6 | self standing | x | — | 500 | 1000 |
| CL756/S | 2,0 | 49,8 | self standing | x | x | 500 | 1000 |



Tube only non sterile

| Reference | Capacity (ml) | Height (mm ± 0,34) | Bottom | Writing area | Bag (unit) | Case (sale unit) |
|-----------|---------------|--------------------|---------------|--------------|------------|------------------|
| CL600 | 0,5 | 45,2 | conical | | 1000 | 3000 |
| CL610 | 0,5 | 45,8 | self standing | | 1000 | 3000 |
| CL720 | 1,5 | 45,2 | conical | x | 1000 | 3000 |
| CL730 | 1,5 | 45,8 | self standing | x | 1000 | 3000 |
| CL740 | 2 | 45.4 | conical | x | 1000 | 3000 |
| CL750 | 2 | 46.8 | self standing | x | 1000 | 3000 |



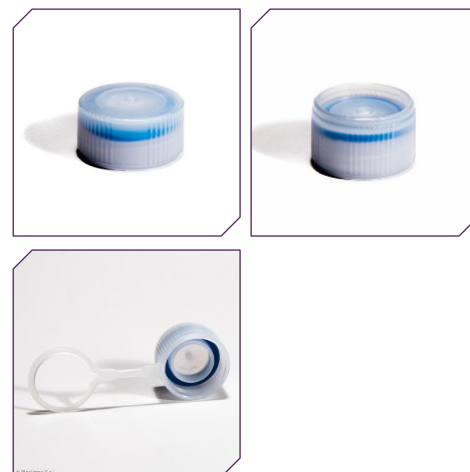
Cap disks

All microtubes can be diversified by using color code inserts

| Reference | Colour | Bag (unit) | Case (sale unit) |
|-----------|------------|------------|------------------|
| BSM910/AZ | light blue | 1000 | 1000 |
| BSM910/RO | red | 1000 | 1000 |
| BSM910/V | green | 1000 | 1000 |
| BSM910/G | yellow | 1000 | 1000 |
| BSM910/RA | pink | 1000 | 1000 |
| BSM910/BI | white | 1000 | 1000 |

Screw cap for microtube non sterile

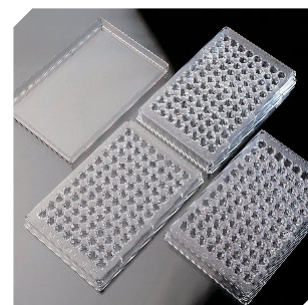
| Description | Flat cap + O-Ring | Cap suitable for cap disk + O-Ring | Cap suitable for cap disk with collar + O-Ring |
|------------------------|-------------------|------------------------------------|--|
| High-mm $\pm 0,21$ | 6,8 | 8,2 | 8,2 |
| Diameter-mm $\pm 0,23$ | 13,2 | 13,2 | 13,2 |
| neutral | CL810 | CL811 | CL812 |
| light blue | CL810/AZ | CL811/AZ | CL812/AZ |
| white | CL810/BI | CL811/BI | CL812/BI |
| yellow | CL810/G | CL811/G | CL812/G |
| pink | CL810/RA | CL811/RA | CL812/RA |
| red | CL810/RO | CL811/RO | CL812/RO |
| green | CL810/V | CL811/V | CL812/V |
| Bag (unit) | 1000 | 1000 | 1000 |
| Case (sale unit) | 3000 | 3000 | 3000 |



Microtiter plate PS, Standard 96 well plate

Sterilised by radiation, plate size 127,7 x 85,8 mm

| Reference | Feature | Well plate estimate volume (μ l) | Sterile | Pack unit |
|-----------|----------------|---------------------------------------|---------|-----------|
| 7900010 | round bottom | 0,281 | yes | 50 |
| 7900010.1 | round bottom | 0,281 | no | 5 x 10 |
| 7900011 | flat bottom | 0,404 | yes | 50 |
| 7900011.1 | flat bottom | 0,404 | no | 5 x 10 |
| 7900012 | conical bottom | 0,219 | yes | 50 |
| 7900012.1 | conical bottom | 0,219 | no | 5 x 10 |
| 7900015 | lid for plate | - | yes | 50 |
| 7900015.1 | lid for plate | - | no | 5 x 10 |



Pasteur pipette

Polyethylene

| Reference | Capacity (mL) | Sterile | Packaging | Pack unit |
|------------|---------------|---------|--------------------------------|-----------|
| NX26500000 | 1 | no | Bulk pack | 500 |
| NX26500001 | 3 | no | Bulk pack | 500 |
| NX26500049 | 1 | yes | Individually wrapped peel pack | 1000 |
| NX26500002 | 3 | yes | Individually wrapped peel pack | 1000 |

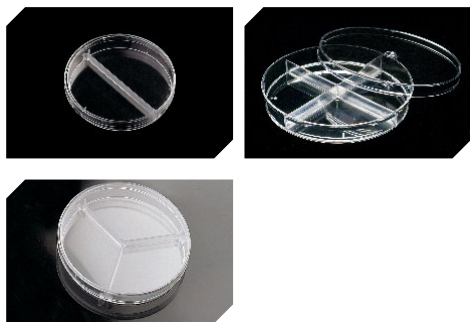


Petri dish PS

Aseptic/Sterile

| Reference | Size (mm) | Sterile | Vents | Pack unit |
|-----------|-----------|---------|-------|-----------|
| 1013760 | 60 x 15,5 | no | 0 | 500 |
| 6502121 | 60 x 14 | yes | 3 | 1400 |
| 1013890 | 90 x 14,8 | no | 3 | 500 |
| 6502055 | 90 x 14,2 | yes | 3 | 500 |
| 7200214 | 140 x 20 | no | 3 | 11 x 15 |
| 7200219 | 140 x 20 | yes | 3 | 11 x 15 |

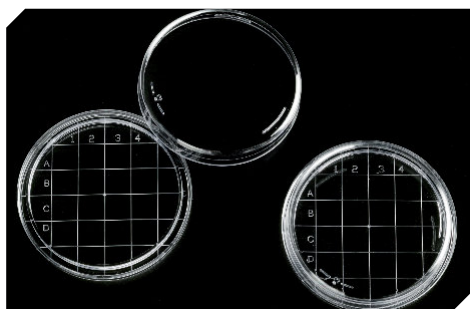




Petri dish PS

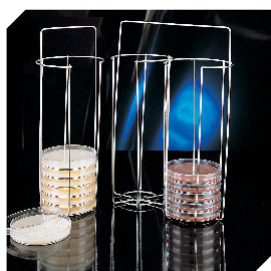
Aseptic

| Reference | Size (mm) | Feature | Pack unit |
|-----------|-----------|----------------|-----------|
| 7200202 | 90 x 14 | 2 compartments | 25 x 20 |
| 7200203 | 90 x 14 | 3 compartments | 25 x 20 |
| 7200210 | 90 x 15 | 4 compartments | 24 x 25 |
| 7200204 | 120 x 120 | square | 24 x 10 |



Petri dish Rodac

| Reference | Size (mm) | Feature | Pack unit |
|-----------|-------------|-------------------------|-----------|
| 7200208 | 65,7 x 14,7 | aseptic | 25 x 20 |
| 7200218 | 65,7 x 14,7 | sterilised by radiation | 25 x 20 |



Support for Petri dish Basket, Stainless steel

For dishes of Ø up to 100mm

| Reference | Feature | L. x W. x H. (mm) | Pack unit |
|-----------|----------------------------------|-------------------|-----------|
| 7H-600 | 1 section holds up to 10 dishes | 105 X 110 X 250 | 1 |
| 7H-601 | 2 sections holds up to 20 dishes | 105 X 215 X 250 | 1 |



Anaerobiosis jar

For 12 petri dishes of Ø 90 mm

| Reference | Capacity (L) | Pack unit |
|-----------|--------------|-----------|
| 7H-625 | 2,5 | 1 |



Loop PS, Calibrated

Sterilised by radiation

| Reference | Volume | Colour | Pack unit |
|-----------|--------|--------|-----------|
| 6500013 | 1(µl) | yellow | 20 x 50 |
| 6500014 | 10(µl) | blue | 20 x 50 |

Innoculation loop PS, Calibrated

Sterilised by radiation

| Reference | Volume | Colour | Internal packaging | Pack unit |
|-----------|--------|--------|--------------------|-------------|
| BSV1205 | 10(μl) | blue | Bag of 500 | (Case) 4000 |
| BSV1201 | 10(μl) | blue | Bag of 350 | (Case) 2100 |
| BSV1215 | 1(μl) | white | Bag of 500 | (Case) 4000 |
| BSV1211 | 1(μl) | white | Bag of 350 | (Case) 2100 |



Loop Digrafsky spreader, PS

Sterilised by radiation, Length: total 149mm, Base 40mm

| Reference | Feature | Colour | Pack unit |
|-----------|-------------------|--------|-----------|
| 7200500 | 5 units peel-pack | white | 200 x 5 |
| 7200510 | 1 unit peel-pack | white | 500 |



Whirl-Pak sample bags

Step by step instructions



1) Tear off top of the bag along perforation



2) Use pulls tabs to open tab



3) Place the sample inside the bag



4a) Hold bag by wire ends and whirl 3 times to close



4b) Or fold the tab over tightly 3 times to close (use this method for larger bags)



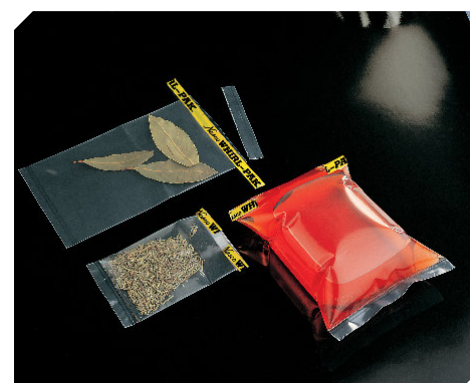
5) Bend wire ends onto bag

Whirl-Pak sample bags, without strips

Sterilised by ethylene oxide, Low density polyethylene

Suitable for: food use, nitrogen liquid, solid and liquid samples

| Reference | Capacity (ml) | Dimension (mm) | Thickness (microns) | Pack unit |
|-----------|---------------|----------------|---------------------|-----------|
| 7200325 | 60 | 75 x 125 | 57 | 500 |
| 7200340 | 120 | 75 x 185 | 57 | 500 |
| 7200341 | 210 | 95 x 180 | 76 | 500 |
| 7200342 | 390 | 130 x 190 | 76 | 500 |
| 7200329 | 540 | 115 x 230 | 64 | 500 |
| 7200332 | 720 | 150 x 230 | 76 | 500 |
| 7200343 | 720 | 150 x 230 | 102 | 500 |
| 7200345 | 1080 | 125 x 380 | 76 | 500 |
| 7200346 | 1260 | 150 x 380 | 76 | 500 |
| 7200347 | 2070 | 190 x 380 | 76 | 500 |





Whirl-Pak sample bags, with white strips for writing

Sterilised by ethylene oxide, Low density polyethylene
Suitable for: food use, nitrogen liquid, solid and liquid samples

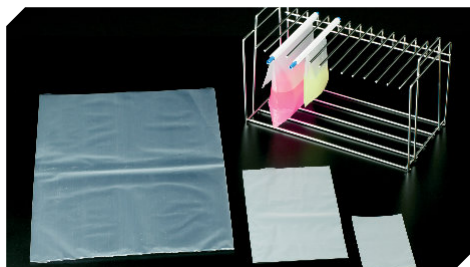
| Reference | Capacity (ml) | Dimension (mm) | Thickness (microns) | Pack unit |
|-----------|---------------|----------------|---------------------|-----------|
| 7200326 | 60 | 75 x 125 | 57 | 500 |
| 7200349 | 120 | 75 x 185 | 57 | 500 |
| 7200364 | 210 | 130 x 190 | 64 | 500 |
| 7200330 | 390 | 115 x 230 | 64 | 500 |
| 7200333 | 540 | 150 x 230 | 76 | 500 |
| 7200351 | 720 | 190 x 300 | 102 | 500 |
| 7200363 | 1650 | 190 x 380 | 76 | 500 |
| 7200357 | 2070 | 254 x 380 | 102 | 250 |
| 7200358 | 3600 | 254 x 508 | 102 | 250 |
| 7200359 | 5400 | 380 x 508 | 102 | 100 |



AUTO
121 °C

Bag for autoclave

| Reference | Capacity (L) | Dimension (mm) | Pack unit |
|-----------|--------------|----------------|-----------|
| 7200100 | 24 | 500 x 750 | 100 |
| 7200310 | 27 | 300 x 600 | 500 |
| 7200311 | 45 | 400 x 750 | 300 |
| 7200312 | 68 | 600 x 750 | 200 |
| 7200318 | 100 | 750 x 900 | 100 |



Bag for Stomacher® blenders

Sterilised by radiation

| Reference | Capacity (ml) | Feature | Pack unit |
|-----------|---------------|----------------|-----------|
| 715001 | 80 | 2 compartments | 25 x 100 |
| 715003 | 400 | 3 compartments | 25 x 20 |
| 715004 | 3500 | 4 compartments | 25 x 16 |



Bag PE, Zip-lock bags, without strips

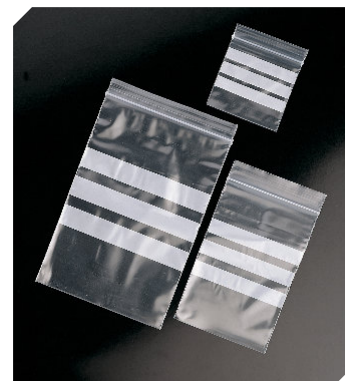
Suitable for solid examples

| Reference | Dimension (mm) | Pack unit |
|-----------|----------------|-----------|
| 7M5555 | 55 x 55 | 2000 |
| 7M6080 | 60 x 80 | 1000 |
| 7M70100 | 70 x 100 | 2000 |
| 7M80120 | 80 x 120 | 2000 |
| 7M80160 | 80 x 160 | 2000 |
| 7M100150 | 100 x 150 | 2000 |
| 7M110110 | 110 x 110 | 2000 |
| 7M120180 | 120 x 180 | 2000 |
| 7M150220 | 150 x 220 | 2000 |
| 7M180250 | 180 x 250 | 2000 |
| 7M200300 | 200 x 300 | 2000 |
| 7M250330 | 250 x 330 | 2000 |
| 7M300400 | 300 x 400 | 2000 |

Bag PE, Zip-lock bags, white stripes for writing

Suitable for solid examples

| Reference | Size (mm) | Pack unit |
|-----------|-----------|-----------|
| 7M5555B | 55 x 55 | 2000 |
| 7M6080B | 60 x 80 | 1000 |
| 7M80120B | 80 x 120 | 1000 |
| 7M710110B | 70 x 110 | 1000 |
| 7M100150B | 100 x 150 | 1000 |
| 7M120180B | 120 x 180 | 1000 |
| 7M160220B | 160 x 220 | 1000 |
| 7M180250B | 180 x 250 | 1000 |
| 7M200300B | 200 x 300 | 1000 |



Bag rack Stainless steel

Dimension: 39 x 20 x 24 cm

| Reference | Feature | Pack unit |
|-----------|-----------------------------------|-----------|
| 715006 | Rack for 14 bags (Stomacher type) | 1 |
| 715007 | Clips to adjust bags | 10 |



Indicator tapes

Dimension: 19 mm x 50 m

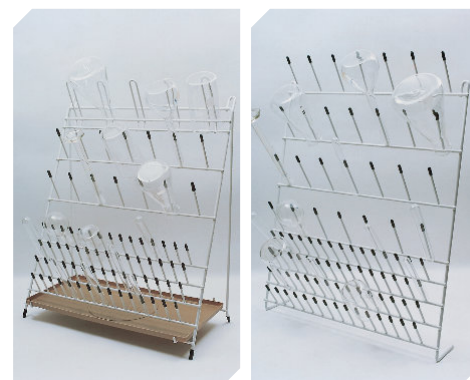
| Reference | Feature | Pack unit |
|-----------|---------------------|-----------|
| 7191050 | Ethylene oxide gas | 8 |
| 7191051 | Dry heat (poupinel) | 8 |
| 7191052 | autoclave | 8 |



Drain rack

PVC coated

| Reference | Feature | Height x Width (mm) | Positions |
|-----------|----------------|---------------------|-----------|
| S1000481 | with drip tray | 640 x 500 | 79 |
| S1024132 | - | 300 x 400 | 32 |
| S1024148 | - | 500 x 400 | 48 |
| S1024188 | - | 620 x 500 | 88 |





Round bottom flask support

Resistance up to 100 °C

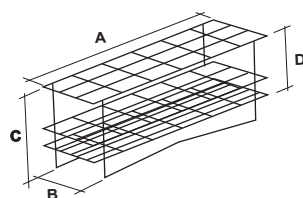
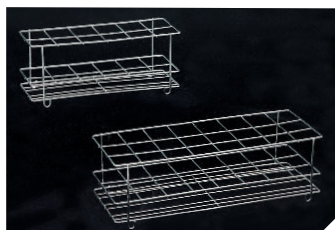
| Reference | Feature | Size (mm) |
|-----------|--|-----------|
| S1000863 | For flasks from 100 ml up to 10 litre capacity | 160 X 50 |



Rack for pipettes and thermometers

Resistance up to 100 °C

| Reference | Feature | Weight (kg) |
|-----------|---|-------------|
| S1001254 | PVC, 93 positions of various sizes | 0,4 |
| S1001466 | Polyethylene, 28 positions up to 14 mm diam | 1,5 |



A - Total Length
B - Total Width
C - Total Height
D - Height from tube bottom to top

AISI
304

Support for tubes

Stainless steel

| Reference | Number of tubes | Tubes Ø Up to (mm) | Dimensions ext. (mm) | | | |
|-----------|-----------------|--------------------|----------------------|-----|-----|----|
| | | | A | B | C | D |
| S1001563 | 24 (6 x 4) | 13 | 95 | 70 | 70 | 60 |
| S1025500 | 12 (4 x 3) | 13 | 65 | 50 | 65 | 50 |
| S1025515 | 12 (6 x 2) | 16 | 120 | 45 | 80 | 65 |
| S1025524 | 24 (8 x 3) | 16 | 160 | 65 | 80 | 65 |
| S1025548 | 48 (8 x 6) | 16 | 160 | 125 | 80 | 65 |
| S1000607 | 50 (10 x 5) | 18 | 210 | 110 | 40 | 40 |
| S1000610 | 100 (10 x 10) | 18 | 210 | 210 | 60 | 60 |
| S1004012* | 12 (6 x 2) | 40 | 260 | 90 | 110 | 95 |
| S1004024* | 24 (8 x 3) | 40 | 345 | 130 | 110 | 95 |

*suitable for nessler tubes



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Support suitable rack linking guides

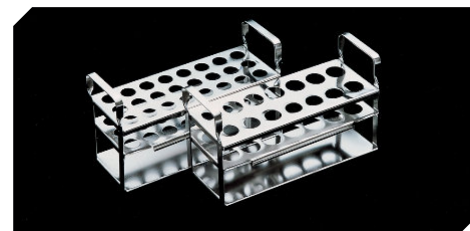
Stainless steel

| Reference | Number of tubes | Tubes Ø up to (mm) | Dimensions ext. (mm) | | | |
|-----------|-----------------|--------------------|----------------------|----|----|----|
| | | | A | B | C | D |
| S1001715 | 15 (5 x 3) | 16, Falcon 15 ml | 120 | 80 | 90 | 75 |
| S1001716 | 8 (4 x 2) | 30, Falcon 50 ml | 145 | 80 | 90 | 75 |

Support with rack linking guides

Stainless steel

| Reference | Number of tubes | Tubes diam. up to (mm) | Dimensions ext. (mm) | | | |
|-----------|-----------------|------------------------|----------------------|----|----|---|
| | | | A | B | C | D |
| S1002532 | 24 (8 x 3) | 12 | 160 | 62 | 65 | — |
| S1002531 | 14 (7 x 2) | 16 | 160 | 62 | 65 | — |

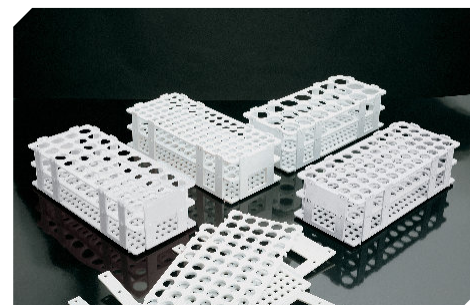


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Support universal test tube racks

Round hole

| Reference | Max tube diam.(mm) | Number of tubes | Dimensions ext. (mm) | | | | Pack unit |
|-----------|--------------------|-----------------|----------------------|-----|----|---|-----------|
| | | | A | B | C | D | |
| 7W-014 | 13 | 6 X 15 (90) | 240 | 103 | 65 | — | 1 |
| 7W-015 | 16 | 5 X 12 (60) | 240 | 103 | 65 | — | 1 |
| 7W-016 | 20 | 4 X 10 (40) | 240 | 103 | 65 | — | 1 |
| 7W-017 | 25 | 3 x 8 (24) | 240 | 103 | 65 | — | 1 |
| 7W-018 | 30 | 3 x 7 (21) | 240 | 103 | 65 | — | 1 |



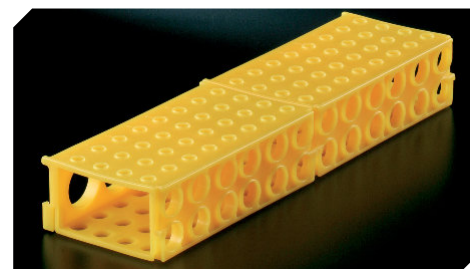
Universal Racks

Designed to attach to another by pressing the two sides together

| Reference | Colour | Pack unit |
|-----------|--------------------|-----------|
| 7M-520 | natural | 5 |
| 7M-521 | fluorescent blue | 5 |
| 7M-522 | fluorescent pink | 5 |
| 7M-523 | fluorescent yellow | 5 |

Designed to support:

4 x 50 ml conical tubes
12 x 15 ml conical tubes
32 x diam. 12 mm tubes or 1,5/2 ml microtubes
32 x 0,5 ml microtubes.



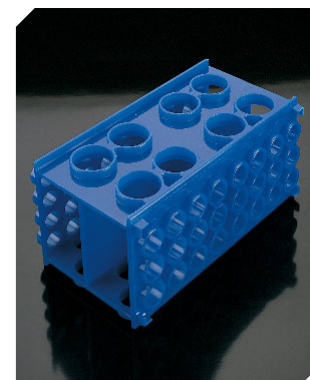
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Universal Racks, withstands from -90°C to + 121 °c

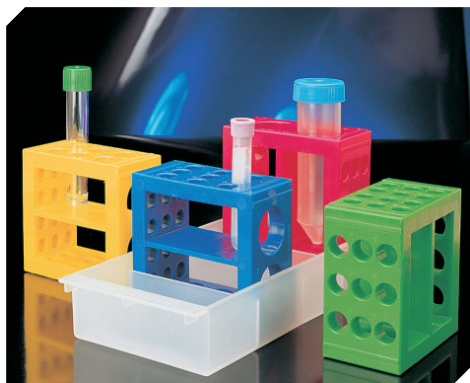
| Reference | Colour | Pack unit |
|-----------|--------------------|-----------|
| 7M-530 | fluorescent blue | 5 |
| 7M-531 | fluorescent green | 5 |
| 7M-532 | fluorescent pink | 5 |
| 7M-533 | fluorescent yellow | 5 |

Designed to support:

8 x 50 ml tubes diam. 30 mm
20 tubes diam. 20 mm
24 x 15 ml tubes diam. 16/17 mm
40 tubes diam. 12/13 mm



AISI
304



Combi pack support, withstands from -90°C to +121 °C

4 independent cubes packaged in a clear support tray

| Reference | Feature | Pack unit |
|-----------|-------------------------|-----------|
| 7330 | Set of mixed combi rack | 1 |

Each rack:

2 x 50 ml conical tubes
 6 x 15 ml conical tubes
 9 x diam. 12 mm tubes or 1,5/2 ml microtubes
 12 x 0,5 ml microtubes

Dimensions:

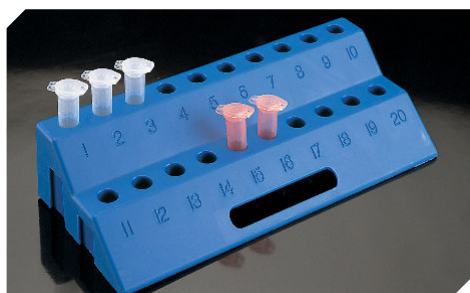
tray (handles included): 242 x 120 x 40 mm
 rack: 48 x 92 x 92 mm



Freezing cardboard storage box, withstands up to -100 °C

For microtubes and cryobials

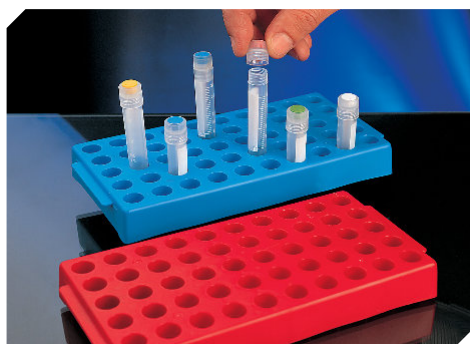
| Reference | Dimension ext. (mm) | Grid number | Holes (mm) | Pack unit |
|-----------|---------------------|-------------|------------|-----------|
| 7M-600 | 150 x 150 x 55 | 10 x 10 | 12 | 10 |
| 7M-610 | 150 x 150 x 100 | 10 x 10 | 12 | 10 |
| 7M-607 | 134 x 134 x 47 | 10 x 10 | 10 | 10 |
| 7M-606 | 134 x 134 x 57 | 10 x 10 | 10 | 10 |
| 7M-603 | 134 x 134 x 75 | 9 x 9 | 12 | 10 |
| 7M-604 | 134 x 134 x 79 | 9 x 9 | 12 | 10 |



Support for microtubes 1,5/2 ml, autoclavable

Dimensions: 210 x 90 x 48 mm

| Reference | Feature | Pack unit |
|-----------|--------------------|-----------|
| 7200420 | Blue, 20 hole rack | 6 |



Support for cryovials, autoclavable

Can hold up to 50 cryovials

| Reference | Colour | Pack unit |
|-----------|--------|-----------|
| 7M-028.5 | blue | 4 |
| 7M-028.6 | red | 4 |

Description

These racks allow easy one handed opening and closing of tubesthanks to an innovative locking system which ensures that tubes willsecurely lock in each well and will not turn.

You may also like:

Conical tube
 (ref.NX20015)

Microtubes
 (ref.CL05.001.0500)

Cryovials
 (ref.CL1ARBEPSTS)



Conical tube



Microtube



Cryovials

Container for biological samples, 30 ml

| Reference | Feature | Sterile | Pack unit |
|-----------|------------------------|---------|-----------|
| 7309202 | polystyrene | no | 400 |
| 7309222 | polystyrene, unit pack | no | 400 |
| 7309222 | polystyrene, unit pack | yes | 400 |
| 1014315S | with spatula | yes | 600 |



Container for biological samples, 50 ml

Tamper with ring

| Reference | Feature | Sterile | Pack unit |
|-----------|----------------------------------|---------|-----------|
| 7419802 | Polypropylene, high transparency | no | 700 |



24H urine container

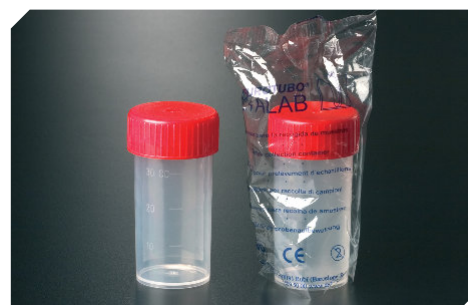
| Reference | Capacity (ml) | Feature | Pack unit |
|-----------|---------------|---|-----------|
| 7408001 | 2000 | white | 34 |
| 7408001.O | 2000 | white, sterile | 34 |
| 7407003 | 2000 | brown | 43 |
| 7407005 | 2700 | white | 34 |
| 7407005.O | 2700 | white, sterile | 34 |
| 7407006 | 2700 | brown | 34 |
| 7408601 | 3000 | brown, with vacuum system and long canula | 30 |
| 7408610 | 3000 | brown | 30 |



Container for biological samples

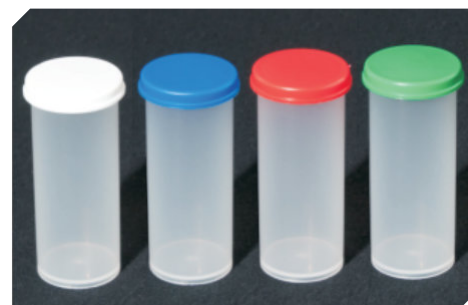
PP

| Reference | Feature | Capacity (ml) | Sterile | Pack unit |
|-----------|----------------------|-------------------|---------|-----------|
| 1015006S | individually wrapped | 60 | yes | 500 |
| 7409526 | individually wrapped | 60 | yes | 750 |
| 1014191S | individually wrapped | 100 | yes | 500 |
| 7409726 | individually wrapped | 125(total of 150) | yes | 350 |



Container for milk collection, 50 ml

| Reference | Cap | Pack unit |
|-----------|-------|-----------|
| 1013802BR | white | 1000 |
| 1013802AZ | blue | 1000 |
| 1013802VM | red | 1000 |
| 1013802VD | green | 1000 |





Emergency eyewash bottle low density polyethylene, supplied empty

Instructions for use printed in various languages

| Reference | Capacity (L) | Pack unit |
|-----------|--------------|-----------|
| 719384 | 1 | 1 |



Magnetic stirring bar PTFE

| Reference | Diameter (mm) | Length (mm) | Weight (Kg) |
|-----------|---------------|-------------|-------------|
| 719753 | 3 | 6 | 0,04 |
| 719748 | 3 | 8 | 0,04 |
| 719750 | 4.5 | 12 | 0,04 |
| 719751 | 6 | 15 | 0,04 |
| 719756 | 8 | 20 | 0,06 |
| 719756 | 8 | 25 | 0,06 |
| 719758 | 8 | 30 | 0,06 |
| 719763 | 6 | 35 | 0,06 |
| 719764 | 8 | 40 | 0,06 |
| 719698 | 8 | 50 | 0,06 |
| 719705 | 10 | 70 | 0,08 |



Magnetic stirring bar retriever PE

| Reference | Diameter (mm) | Length (mm) |
|-----------|---------------|-------------|
| V318293 | 300 | 1 |
| V318393 | 450 | 1 |

YOU MAY ALSO LIKE:

→ **Normax Magnetic stirrer with heating**
(ref. NX10000-01073)

Other models and equipment are available



Medical grade silicone tubing

| Reference | Capacity (L) | Pack unit | Reference | Capacity (L) | Pack unit |
|-----------|--------------|-----------|-----------|--------------|-----------|
| 7350051 | 0,5 x 1 | 1 x 100 | 7350612 | 6 x 12 | 1 x 15 |
| 7350115 | 1 x 1,5 | 1 x 100 | 7350079 | 7 x 9 | 1 x 15 |
| 7350013 | 1 x 3 | 1 x 15 | 7350710 | 7 x 10 | 1 x 15 |
| 7350024 | 2 x 4 | 1 x 15 | 7350810 | 8 x 10 | 1 x 15 |
| 7350034 | 3 x 4 | 1 x 15 | 7350812 | 8 x 12 | 1 x 15 |
| 7350035 | 3 x 5 | 1 x 15 | 7350814 | 8 x 14 | 1 x 15 |
| 7350037 | 3 x 7 | 1 x 15 | 7350912 | 9 x 12 | 1 x 15 |
| 7350046 | 4 x 6 | 1 x 15 | 7350915 | 9 x 15 | 1 x 15 |
| 7350048 | 4 x 8 | 1 x 15 | 7351014 | 10 x 14 | 1 x 15 |
| 7350057 | 5 x 7 | 1 x 15 | 7351420 | 14 x 20 | 1 x 15 |
| 7350059 | 5 x 9 | 1 x 15 | 7351622 | 16 x 22 | 1 x 15 |
| 7350069 | 6 x 9 | 1 x 15 | 7352030 | 20 x 30 | 1 x 15 |
| 7350610 | 6 x 10 | 1 x 15 | | | |



AUTO
121°C

Medical grade silicone tubing technical data

- **Medical grade silicone tubing**
- **Non toxic**
- **Toughness:** 40-80 Sh
- **Resistance to traction:** 77-95 kg/cm²
- **Extension:** 275-780%
- **Resistance to tearing:** 20-50 kg/cm²
- **Temperature range:** -50 °C to 200 °C (beaks of 250 °C)
- **Tube thickness =** $\frac{\text{Ø external} - \text{Ø internal}}{2}$

Cassette for tissue Histosette I

Writing area at 30° or 45° angle, depending on the code

| 30° angled | Colour | Pack unit |
|------------|--------|-----------|
| 7454141 | white | 3 x 500 |
| 7454147 | green | 3 x 500 |
| 7454140 | pink | 3 x 500 |
| 7454143 | yellow | 3 x 500 |
| 7454148 | blue | 3 x 500 |



Cassette for biopsy, Histosette I

Writing area at 45° angle

| Reference | Colour | Pack unit |
|-----------|--------|-----------|
| 7554111 | white | 3 x 500 |

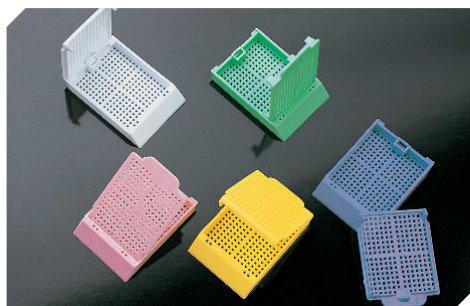




Cassette for tissue, Histosette II

Polyacetal, writing area at 45° angle

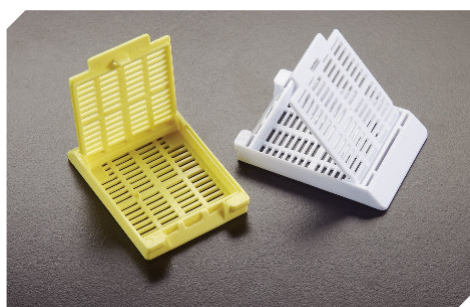
| Reference | Feature | Colour | Pack unit |
|-----------|-----------------|--------|-----------|
| 744140 | pre-mounted lid | pink | 3 x 500 |
| 744141 | pre-mounted lid | white | 3 x 500 |
| 7441141 | separate lid | white | 2 x 500 |
| 744143 | pre-mounted lid | yellow | 3 x 500 |
| 7441143 | separate lid | yellow | 2 x 500 |
| 744145 | pre-mounted lid | blue | 3 x 500 |
| 744147 | pre-mounted lid | green | 3 x 500 |



Cassette for biopsy, Histosette II

Polyacetal

| Reference | Feature | Colour | Pack unit |
|-----------|-----------------|--------|-----------|
| 7445140 | pre-mounted lid | pink | 3 x 500 |
| 7445141 | pre-mounted lid | white | 3 x 500 |
| 7445143 | pre-mounted lid | yellow | 3 x 500 |
| 7445145 | pre-mounted lid | blue | 3 x 500 |
| 7451245 | separate lid | blue | 2 x 500 |
| 7445147 | pre-mounted lid | green | 3 x 500 |



Cassette for tissue, Slimsette

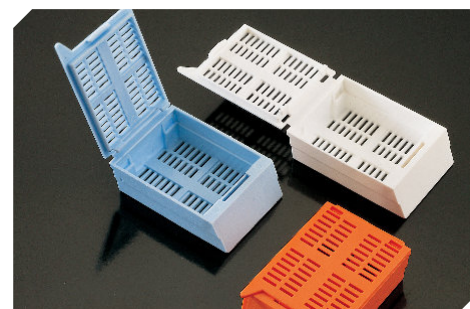
Polyacetal, writing area at 45° angle

| 30° angled | Feature | Colour | Pack unit |
|------------|-----------------|--------|-----------|
| 7555141 | single cassette | white | 3 x 500 |

Cassette mega cassette, with lid

Polyacetal, available in other colours

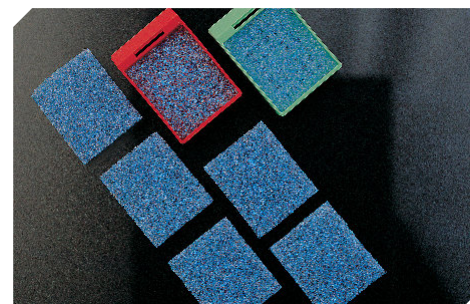
| Reference | Dimension (mm) | Colour | Pack unit |
|-----------|----------------|--------|-----------|
| 744125 | 26 x 40 x 13 | white | 500 |



Tissue embedding sponge

Blue, polyurethane

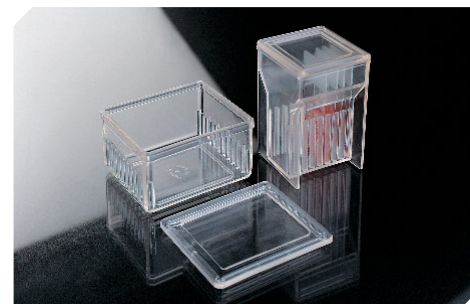
| Reference | Dimension (mm) | Pack unit |
|------------|----------------|-----------|
| 7192922.04 | 31 x 25 x 3 | 500 |



Staining jar For 10, 8 and 5 slides

Blue, polyurethane

| Reference | Feature | Pack unit |
|-----------|-------------------------------|-----------|
| 719351 | Schiefferdecker for 10 slides | 1000 |
| 719335 | Hellendahl for 8 slides | 1000 |
| 7191087 | Coplin for 5 slides | 12 |



Staining system

Autoclavable

| Reference | Colour | Pack unit |
|-----------|----------------|-----------|
| 7191104 | blue jar | 6 |
| 7191105 | green jar | 6 |
| 7191106 | white jar | 6 |
| 7191107 | yellow jar | 6 |
| 7191108 | dark grey rack | 6 |

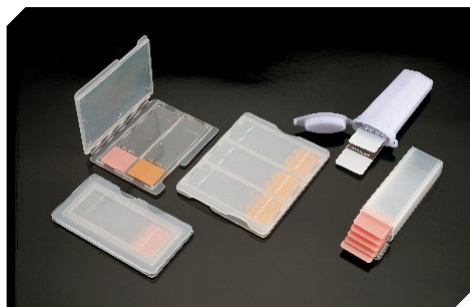


Automatic slide dispenser

For 50 slides

| Reference | Dimension (mm) | Pack unit |
|-----------|----------------|-----------|
| 719540 | 76 x 26 | 1 |

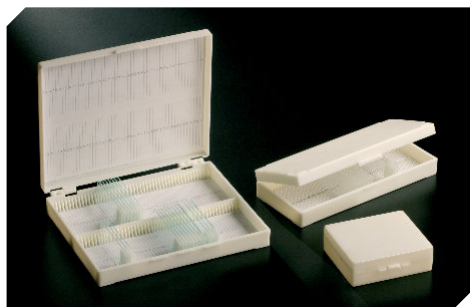




Microscope slide mailer

Polypropylene

| Reference | Feature | Dimension (mm) | Pack unit |
|-----------|---------------------------|----------------|-----------|
| 719923 | For 1 slides | 80 x 40 x 6 | 50 |
| 7900025 | For 2 slides | 87 x 47 x 16 | 100 |
| 797930 | For 2 slides | 84 x 71 x 6 | 250 |
| 719924 | For 3 slides | 84 x 99 x 6 | 10 |
| 7900028 | For 5 slides | 82 x 17 x 29 | 100 |
| 719922 | Cylindrical for 10 slides | 40 x 90 | 10 |



Microscope slide storage box with lid

ABS

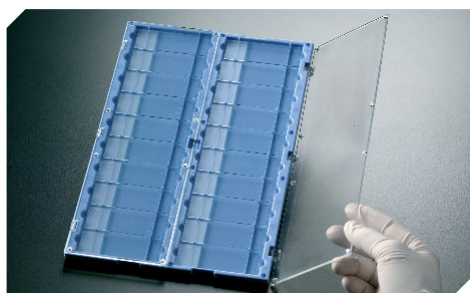
| Reference | Feature | Colour | Dimension (mm) | Pack unit |
|-----------|----------------|--------|----------------|-----------|
| 719276.B | For 25 slides | beige | 93 x 87 x 32 | 200 |
| 719276.A | For 25 slides | blue | 93 x 87 x 32 | 200 |
| 719277.B | For 50 slides | beige | 200 x 89 x 32 | 100 |
| 719277.A | For 50 slides | blue | 200 x 89 x 32 | 100 |
| 719278.B | For 100 slides | beige | 200 x 170 x 32 | 50 |
| 919278.A | For 100 slides | blue | 200 x 170 x 32 | 50 |



Microscope slide storage box with lid

Polystyrene

| Reference | Feature | Colour | Dimension (mm) | Pack unit |
|-----------|----------------|--------|----------------|-----------|
| 719278.2 | for 100 slides | red | 208 x 162 x 32 | 1 |
| 719278.3 | for 100 slides | white | 208 x 162 x 32 | 1 |
| 719276 | for 25 slides | grey | 98 x 83 x 38 | 4 |
| 719277 | for 50 slides | grey | 230 x 97 x 35 | 1 |
| 719278 | for 100 slides | grey | 230 x 180 x 35 | 1 |
| 719276.1 | for 25 slides | clear | 105 x 88 32 | 48 |
| 719277.1 | for 50 slides | clear | 200 x 88 x 32 | 24 |



Microscope slide folder with lid

Polystyrene

| Reference | Feature | Colour | Pack unit |
|-----------|---------------|--------|-----------|
| 7989945 | for 20 slides | blue | 10 |



Microscope slide tray stackable

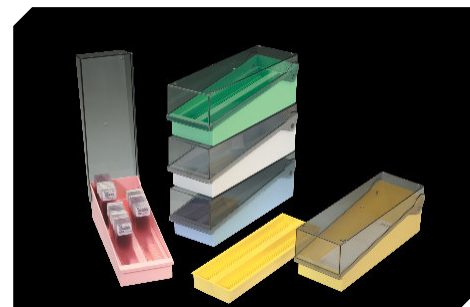
Polystyrene

| Reference | Feature | Colour | Pack unit |
|-----------|---------------|--------|-----------|
| 7989956 | for 20 slides | white | 10 |

Microscope slide storage system stackable

Polystyrene

| Reference | Feature | Colour | Dimension (mm) | Pack unit |
|-----------|----------------|--------|----------------|-----------|
| 719279.5 | for 100 slides | blue | 82 x 245 x 86 | 10 |
| 719279.7 | for 100 slides | green | 82 x 245 x 86 | 10 |
| 719279.3 | for 100 slides | yellow | 82 x 245 x 86 | 10 |
| 719274.5 | for 50 slides | blue | 82 x 140 x 86 | 10 |
| 719274.7 | for 50 slides | green | 82 x 140 x 86 | 10 |



Storage box for cassettes with lid

For long term storage, heavy-duty cardboard

| Reference | Feature | Dimension (mm) | Pack unit |
|-----------|---------------------|----------------|-----------|
| 7DS42 | For ± 250 cassettes | 450 x 235 x 50 | 18 |



Cabinet

ABS

| Reference | Feature | Pack unit |
|-----------|--|-----------|
| 719930 | Complete, 420 x 420 x 730 mm | 1 |
| 719931 | 5 wheels (optional) | 1 x 4 |
| 719921 | Cabinet rack for 100 slides | 2 |
| 719920 | Transparent cover for rack ref. 719921 | 2 |

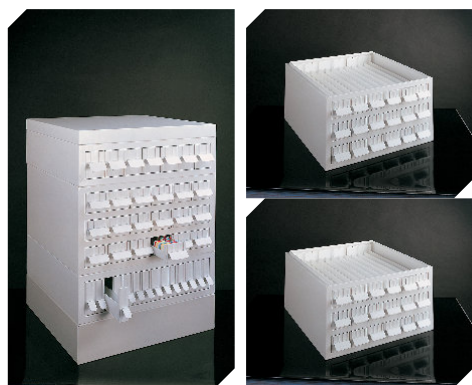


Modular storage drawers

Polystyrene

| Reference | Feature | Dimension (mm) | Pack unit |
|-----------|--------------------|-----------------|-----------|
| 7DS40 | For 1500 cassettes | 400 x 230 x 340 | 1 |





Laboratory storage cabinet

| Reference | Feature | Dimension (mm) | Pack unit |
|-----------|---|-----------------|-----------|
| 7DS61 | 1. modular top | 50 x 480 x 480 | 1 |
| 7DS12 | 2. modular 7 drawers for 1700 transparencies | 120 x 480 x 480 | 1 |
| 7DS35 | 3. modular for 18 cassette drawers for 1800 embedding rings | 255 x 480 x 480 | 1 |
| 7DS11 | 4. modular for 14 microscope slide drawers for 6500 microscope slides | 140 x 480 x 480 | 1 |
| 7DS62 | 5. modular base | 120 x 480 x 480 | 1 |



Spatula wood

AYRE

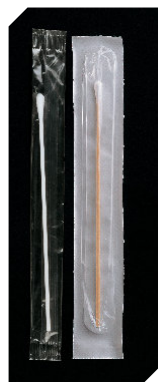
| Reference | Feature | Pack unit |
|-----------|-------------------------------|-----------|
| 7440142.0 | for 20 slides | 50 x 50 |
| 7444150 | Sterile, individual peel-pack | 2 x 500 |



Spatula polypropylene

Autoclavable

| Reference | Description | Pack unit |
|-----------|----------------------------------|-----------|
| 7440142 | 1. non sterile | 50 x 50 |
| 7444142 | 2. sterile, individual peel-pack | 2 x 500 |
| 7444242 | 3. sterile, individual flow-pack | 2 x 500 |



Swabs

| Reference Sterile | Reference Non Sterile | Description | Package | Pack unit |
|-------------------|-----------------------|------------------------|----------------------|-----------|
| — | 6091501 | wood+cotton | Individually wrapped | 500 |
| 7300200 | — | wood + cotton | peel-pack | 2 x 1000 |
| 7310200 | — | wood + cotton | flow-pack | 2 x 1000 |
| 7300201 | — | PS snappable + cotton | peel-pack | 2 x 1000 |
| 7300202 | — | PS snappable + cotton | peel-pack | 2 x 1000 |
| 7310202 | — | PS snappable + viscose | flow-pack | 2 x 1000 |
| 7300203 | — | aluminium + cotton | peel-pack | 2 x 1000 |
| 7310253_1 | — | aluminium + viscose | flow-pack | 2 x 1000 |

Sterile swab in round tube

| Reference | Description | Pack unit |
|-----------|-----------------------------------|-----------|
| 7300250 | wood + cotton | 4 x 500 |
| 7300259 | wood + cotton | 4 x 500 |
| 7300261 | snappable polystyrene + cotton | 4 x 500 |
| 7300252 | snappable polystyrene + viscose | 4 x 500 |
| 7300251 | aluminium + cotton | 4 x 500 |
| 7300253 | aluminium + viscose | 4 x 500 |
| 7300263 | snappable polystyrene + polyester | 4 x 500 |
| 7300250.1 | wood + pure cotton | 4 x 500 |
| 7300254 | twisted aluminium + viscose | 4 x 500 |
| 7300265 | polystyrene + flocked polyester | 4 x 500 |



Sterile swab in round tube

Human DNase, RNase and DNA free certified swabs, steriles

| Reference | Description | Pack unit |
|------------|-------------------------|-----------|
| 7300252DNA | polystyrene + viscose | 500 |
| 7300263DNA | polystyrene + polyester | 500 |



Amies Swab

Sterilised by radiation.

| Reference | Description | Case quantity |
|-----------|---|---------------|
| 7300287 | snappable polystyrene + viscose | 6 x 100 |
| 7300285 | snappable polystyrene + viscose (with charcoal) | 6 x 100 |
| 7300281 | aluminum + viscose | 6 x 100 |
| 7300281/1 | aluminum + viscose (with charcoal) | 6 x 100 |
| 7300281T | twisted aluminum + viscose | 6 x 90 |
| 7300284* | snappable polystyrene + viscose | 6 x 100 |

*Variation where the media is presented on liquid form without agar



Stuart swabs

Sterilised by radiation.

| Reference | Description | Case quantity |
|-----------|---------------------------------|---------------|
| 7300290 | wood + cotton | 6 x 100 |
| 7300291 | aluminium + cotton | 6 x 100 |
| 7300295 | snappable polystyrene + viscose | 6 x 100 |





Cary blair swabs

Sterilised by radiation.

| Reference | Description | Case quantity |
|-----------|---------------------------------|---------------|
| 7300280 | wood + cotton | 6 x 100 |
| 7300280.2 | snappable polystyrene + viscose | 6 x 100 |



Media for virus Swab

Sterilised by radiation.

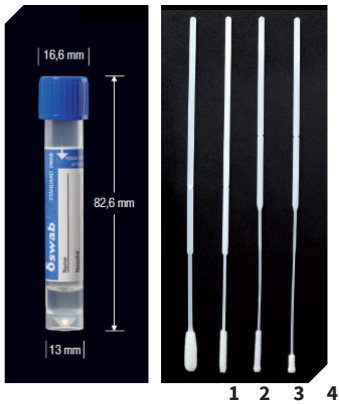
| Reference | Description | Case quantity |
|-----------|-----------------------------------|---------------|
| 7300297 | snappable polystyrene + polyester | 6 x 100 |
| 7300294 | aluminium + polyster | 6 x 100 |



Media for Chlamydia Swab

Sterilised by radiation.

| Reference | Description | Case quantity |
|-----------|-----------------------------------|---------------|
| 7300299 | snappable polystyrene + polyester | 6 x 100 |




Amies Swab

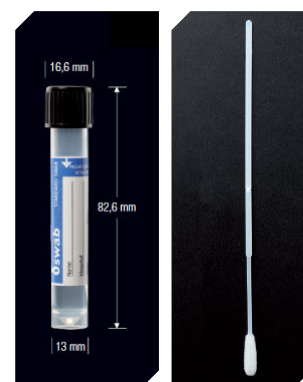
Sterilised by radiation. Particularly suited for microbiological sample collection and transport

| Reference | ml | [Photo] Description | Breaking point (ml) | Label colour | Case quantity |
|-----------|----|--------------------------------------|---------------------|--------------|---------------|
| 7304281 | 1 | [1] with standard flocked swab | 80 | Blue | 6 x 100 |
| 7304282 | 1 | [2] with urethral flocked swab | 80 | Yellow | 6 x 100 |
| 7304285 | 1 | [3] with nasopharyngeal flocked swab | 100 | Light Blue | 6 x 100 |
| 7304286 | 1 | [4] with minitip flocked swab | 100 | Red | 6 x 100 |

Cary Blair Swab







Sterilised by radiation. Specially suited for the collection and transport of faecal samples.

| Reference | ml | [Photo] Description | Breaking point (ml) | Label colour | Case quantity |
|-----------|----|----------------------------|---------------------|---|---------------|
| 7304280 | 2 | with standard flocked swab | 80 |  | 6 x 100 |



ViCUM®




Sterilised by radiation. Particularly suited for collecting and transporting microbiological samples which contain Virus, Chlamydia, Ureaplasma and/or Mycoplasma

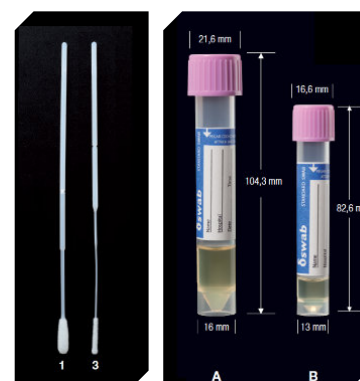
| Reference | ml | [Photo] Description | Breaking point (ml) | Label colour | Case quantity |
|-----------|----|---------------------------------------|---------------------|---|---------------|
| 7304271 | 1 | [B1] with standard flocked swab | 80 |  | 6 x 60 |
| 7304278 | 2 | [B1] with standard flocked swab | 80 |  | 6 x 60 |
| 7304276 | 2 | [B2] with urethral flocked swab | 80 |  | 6 x 60 |
| 7304270 | 2 | [B3] with nasopharyngeal flocked swab | 100 |  | 6 x 60 |
| 7304279 | 2 | [B4] with minitip flocked swab | 100 |  | 6 x 60 |
| 7304273 | 3 | [A1] with standard flocked swab | 100 |  | 6 x 40 |



Virus

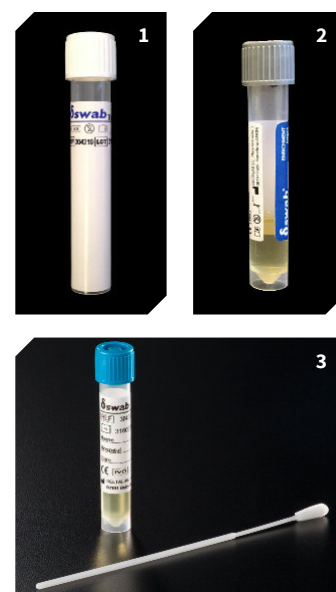
Sterilised by radiation. Particularly suited for collecting and transporting microbiological samples which contain viruses.

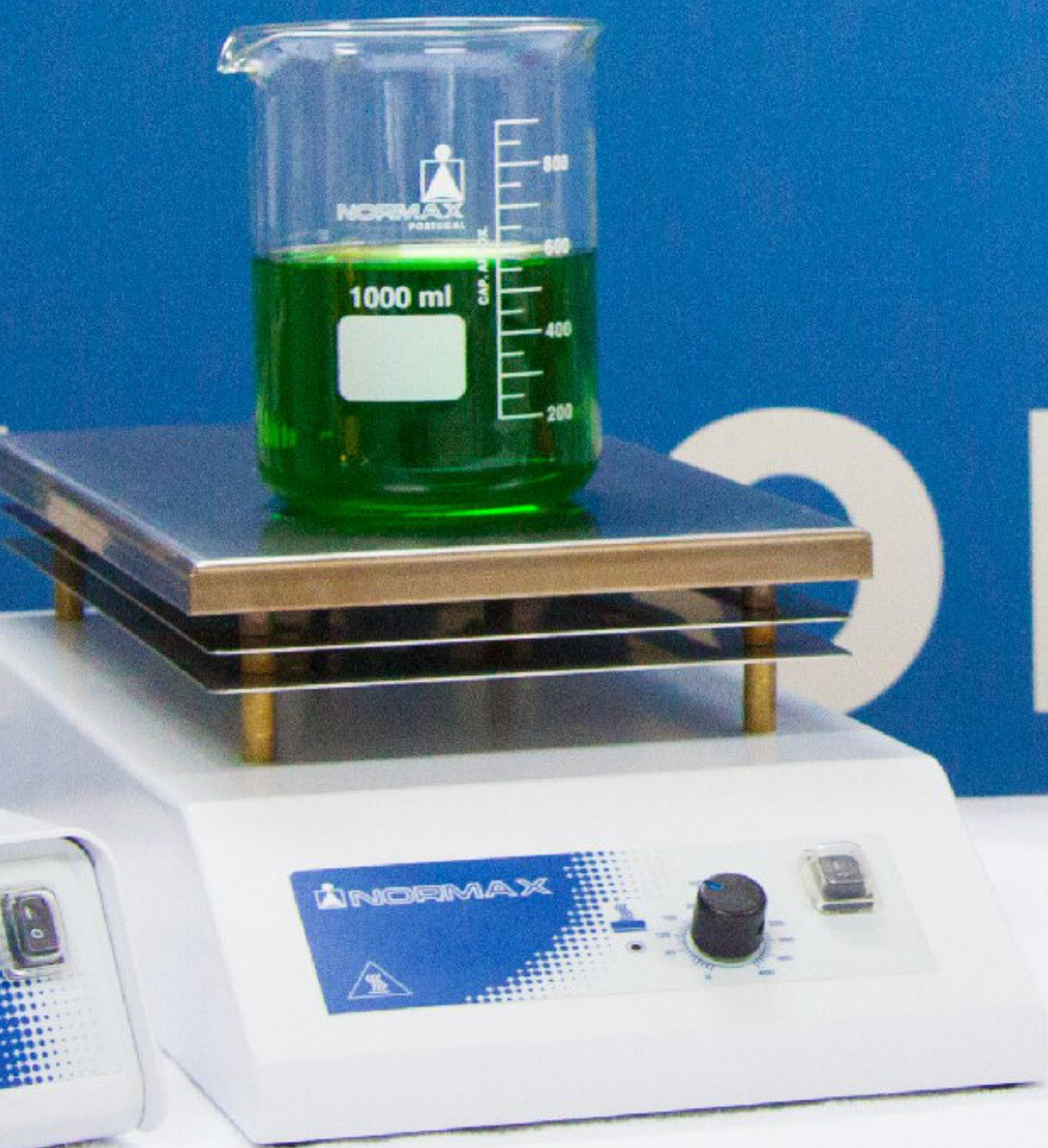
| Reference | ml | [Photo] Description | Breaking point (ml) | Label colour | Case quantity |
|-----------|----|-------------------------------------|---------------------|---|---------------|
| 7304291 | 1 | [B1] with standard flocked swab | 80 |  | 6 x 100 |
| 7304297 | 2 | [B3] with nasopharynge flocked swab | 100 |  | 6 x 100 |
| 7304295 | 3 | [A3] with nasopharynge flocked swab | 100 |  | 6 x 80 |



Enrichment media

| Reference | Description | Tube height (mm) | Cap Ø (mm) | Case quantity |
|-----------|-----------------------|------------------|------------|---------------|
| 7304210 | [1] 2 ml Selenite | 82,6 | 16,6 | 6 x 100 |
| 7304211 | [2] 2 ml Thioglycolat | 82,6 | 16,6 | 6 x 100 |
| 7304212 | [3] 2 ml LIM Broth | 82,6 | 16,6 | 6 x 80 |





04 LAB EQUIPMENT

129 . NORMAX equipment

Magnetic stirrers

- 130 . With heating
- 131 . Without heating
- 132 . Multiposition
- 133 . Linear
- 134 . Orbital
- 135 . Tubes
- 137 . Vortex

Autoclave

- 138 . For sterilization
- 138 . For food pasteurization-sterilization

Bath

- 139 . Thermostatic Bath
- 140 . Ultrasonic
- 141 . Sand
- 141 . Parafin
- 142 . Stirrer/shaker

Balances

- 142 . Analytical
- 144 . Precision
- 145 . Moisture analyser

Pumps

- 145 . Vacuum pump membrane
- 146 . Vacuum pump rotary
- 147 . Peristaltic

Centrifuges

- 148 . Various

Cabinets

- 147 . Vertical laminar flow
- 148 . Horizontal laminar flow
- 148 . Biosafety

Water Still

- 150 . Destilnorma L304
- 150 . AC-L series
- 150 . L-4 Cabinet

Spectrophotometer

- 150 . Series V-1100, VR.2000, UV
- 151 . 4201/50 Model

Ovens

- 151 . Conterm
- 152 . Dryglass
- 152 . 631/632 series
- 152 . Digiheat-TFT series
- 153 . Vaciotem series
- 153 . Digitronic-TFT series

Incubators

- 154 . Cooled
- 154 . Incubat
- 154 . Incudigit
- 154 . Incubig
- 155 . Prebatem
- 155 . Boxcult
- 155 . CO₂
- 155 . Orbital shaker
- 156 . PLX-IN

Muffles

- 156 . Various

Rotary evaporator

- 156 . Various

Homogenizer

- 157 . X-1000 / CY-500 series
- 157 . Solid Mixers VS-5 and VS-8
- 157 . TR-15

Ductless fume hood

- 157 . Cruma series

Heating mantles

- 158 . Fibroman-C, 655 series
- 158 . Digestion Kjeldahl/Soxhlet

Meters

- 159 . For temperature
- 162 . Thermo-hygrometers
- 164 . Turbidity meters

Hotplates

- 165 . MCH series
- 165 . Plactronic series
- 165 . Analogue hotplate
- 165 . Combiplac series
- 165 . MH series

Microscopes

- 166 . B-150, 190, HBC, 3000, 701 series
- 168 . Special application

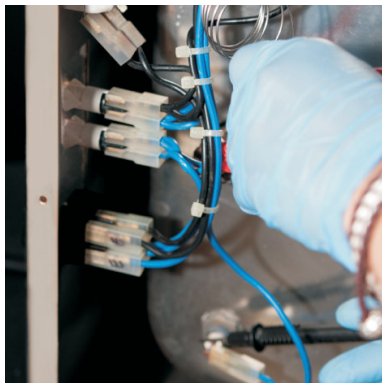
Refrigerated cabinets

- 168 . Medilow S, M, L & LG
- 168 . Pharmalow series

Thermoreactors

- 169 . RD 125
- 169 . ECO 8/16
- 169 . COD Determination
- 169 . BOD analysis

Corrective maintenance



Preventive maintenance



Calibration service



For technical assistance please contact: assistec@normax.pt

Equipment not manufactured by Normax will comply with the warranty terms* mentioned below:

1. The warranty covers only malfunction repairs, manufacture defects or faulty components.
2. Inappropriate equipment installation, non-approved components replacement and misuse of the device will not be covered by the warranty.
3. The risk of damage or any other hazards or loss during transportation for repairing purposes will be on customer's account.
4. Technical assistance during and after warranty is provided by qualified technicians or under NORMAX responsibility.
5. Training, installation and set-up not included. Quotation under request.

*Normax general sales conditions are also applicable

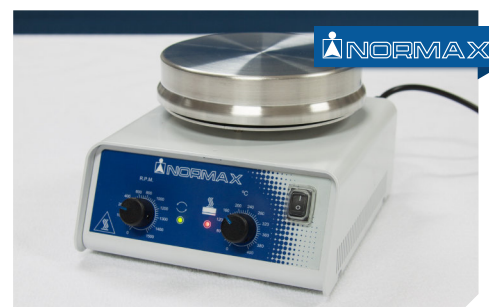
Equipment

Magnetic stirrer NX1200 with heating

NX1200 has an analogue speed and temperature control, with a smooth and progressive start to maintain the coupling, independently of the selected speed. Comes with a removable aluminium plate to allow replacement in case of damage.

Warranty 2 years.

| Reference | Capacity (L) | Control | Speed (rpm) | Max Temp. (°C) | Plate/size |
|---------------|--------------|----------|-------------|----------------|------------------|
| NX10000-01200 | 5 | analogic | 1500 | 400 | Aluminium/ Ø15,4 |

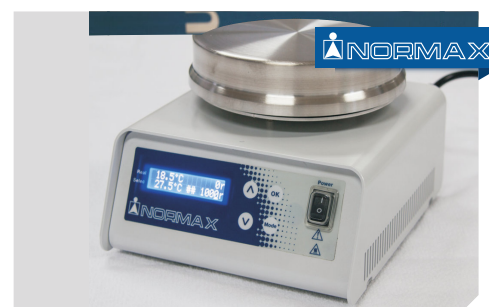


Magnetic stirrer NX1205 with heating

NX1205 has the speed and temperature controlled by microprocessor, with an internal Pt 100 probe. Constant speed regardless of the sample conditions. Comes with a removable aluminium plate to allow replacement in case of damage. Keyboard membrane touch with speed and temperature indication.

Warranty 2 years.

| Reference | Capacity (L) | Control | Speed (rpm) | Max Temp. (°C) | Plate/size |
|---------------|--------------|---------|-------------|----------------|------------------|
| NX10000-01205 | 5 | digital | 1500 | 300 | Aluminium/ Ø15,4 |

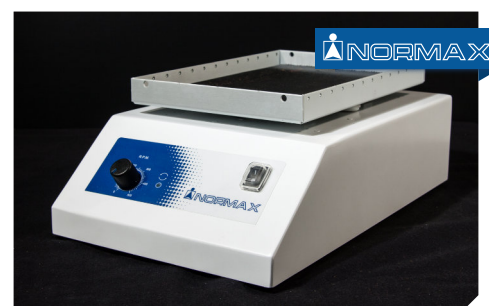


Hotplate NX1210

NX1210 is suitable for small or medium-sized containers. Adjustable speed. Soft start and stop regardless of the selected speed. Non-slip surface. Very quiet and continuous operation. Information about platform, material & if is interchangeable. Dimensions 220x370x135. Kg 7.

Warranty 2 years.

| Reference | Control | Feature | Angle | speed (rpm) | Tubes Ø x H. (mm) |
|---------------|----------|---------|-------|-------------|-------------------|
| NX10000-01210 | Analogic | orbital | 10° | 0-500 | 174 x 256 |

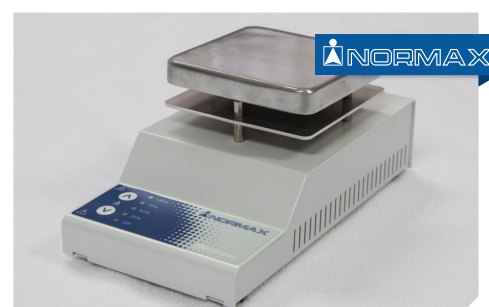


Hotplate NX1240

NX1240 Suitable for all types of laboratories. Analog temperature regulation in 4 levels controlled by microprocessor. Dimensions 110x220x90. Voltage 230, Hz 50/60 Insulation rating IP32.

Warranty 2 years.

| Reference | Control | Temp. (°C) | Resolution | Plate size (mm) |
|---------------|---------|------------|------------|-----------------|
| NX10000-01240 | digital | 20 - 200 | 8 levels | 100 x 100 |

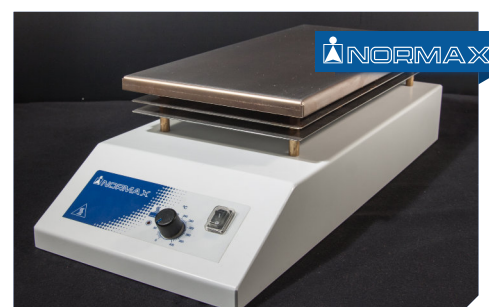


Hotplate NX1273

The **NX1273** is suitable for all types of laboratories. Analog temperature regulation. Operation indicator light. Dimensions 220x525x150. kg 7, Voltage 230, Hz 50/60 Insulation rating IP32.

Warranty 2 years.

| Reference | Control | Temp. (°C) | Division | Plate size (mm) |
|---------------|----------|------------|----------|-----------------|
| NX10000-01273 | Analogic | 0 - 400 | 8 levels | 200 x 400 |



Magnetic Stirrers *with heating*



Analogue Agimatic-N

Suitable for all laboratories due to its robustness ergonomic and design.

Electronic stir speed control and power to the heater.

Supplied with a PTFE coated stir bar of \varnothing 8 x 40 mm long. Dimensions 145x190x260. kg 3,5.

Warranty 1 year.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|------------------------|----------------|-------------------|---------------------------|
| S7000243 | 1 x 10 | 60 - 1600 | 350 | Inox / \varnothing 14,5 |



Digital Agimatic-ED

Suitable for all laboratories due to its robustness ergonomic and design.

Electronic stir speed control and power to the heater. Silumin upper plate covered by AISI 304 stainless steel. Supplied with a PTFE coated stir bar of \varnothing 8 x 40 mm long.

Dimensions 145x190x260. Weight 3,5 kg.

Warranty 1 year.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|------------------------|----------------|-------------------|---------------------------|
| S7001511 | 1 x 10 | 60 - 1600 | 350 | Inox / \varnothing 15,4 |



Analogue 690/1

Metallic structure epoxi coated. Plate of anodized aluminium. Max. volume: 2000 mL.

Max. temp. (plate): RT-180 °C \pm 10%.

Stand (rod, bosshead and clamp) and magnet. Power supply: 220-240VAC, 50Hz.

Warranty 2 years.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|------------------------|----------------|-------------------|----------------------|
| ALBB001 | 1 x 2 | 2000 | 180 | Aluminium / 12 x 12 |



Analogue 692

Metallic structure, sturdy and very stable. Ceramic coated metal stirring plate that assures a better chemical resistance and durability. Accessories included: electrode or thermometer supporting rod and clamp, and stirring magnet.

Warranty 2 years.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|------------------------|----------------|-------------------|----------------------|
| ALBB002 | 1 x 10 | 1600 | 380 | ceramic / 19 x 19 |



Digital 692/1

Metallic structure, sturdy and very stable. Ceramic coated metal stirring plate that assures a better chemical resistance and durability. Accessories included: electrode or thermometer supporting rod and clamp, and stirring magnet. Heating Power 600 W. Temp. sensor Pt100. Power 220 V / 50 Hz. Dimensions 340x200x120 mm. Weight 4.5 Kg.

Warranty 2 years.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|------------------------|----------------|-------------------|----------------------|
| ALBD001 | 1 x 10 | 1600 | 350 | ceramic / 19 x 19 |

Magnetic Stirrers *without heating*

Analogue Agimatic-S

Suitable for all laboratories due to its robustness ergonomic and design. Electronic stir speed control. Supplied with a PTFE coated stir bar of \varnothing 8 x 40 mm long.

External Dimensions 145x190x260. Weight 3,5 Kg.

Warranty 1 year.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|------------------------|----------------|-------------------|----------------------|
| S7000242 | 1 x 10 | 60 - 1600 | — | Inox / 12 x 12 |



Analogue Agimatic-HS

Electronic stir speed control. Digital speed display. Supplied with a \varnothing 16 x 127 mm long stir bar. Dimensions 120x280x340. Weight 8 Kg.

Warranty 1 year.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|------------------------|----------------|-------------------|----------------------|
| S7001005 | 1 x 25 | 50 - 980 | — | Inox / 19 x 19 |



Analogue RSLAB-1NC

Stainless steel plates with hotplate porcelain enamel surface. Motor with electronic speed control. Constant speed even during changes in load. High magnetic adhesion, prevent stirrer bar escape. External rotor brushless motor guarantees long service time.

Safe separate circuit, automatically stop to heat, when the temperature is over 350°C.

Protection class according to DIN EN60529: IP42.

Warranty 2 years.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|------------------------|----------------|-------------------|---------------------------|
| ALBG003 | 1 x 20 | 1500 | — | Inox / \varnothing 13,4 |



Analogue 682

Metallic structure, sturdy and very stable. Ceramic coated metal stirring plate that assures a better chemical resistance and durability. Accessories included: electrode or thermometer supporting rod and clamp, and stirring magnet. Provided with indicating pilots for speed and heat operation.

Warranty 2 years.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|------------------------|----------------|-------------------|----------------------|
| ALBG002 | 1 x 10 | 100 - 1600 | — | ceramic / 19 x 19 |



Analogue MiniMix MN02E

Speed controlled by microprocessor. LED's display with indication of the selected speed, 4 levels. Membrane push-button control. Antiscratch surface. Dimensions 115x200x50.

Warranty 2 years.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|--------------|------------------------|----------------|-------------------|-------------------------|
| O10000-01036 | 1 x 2 | 300 - 1250 | — | inox / \varnothing 11 |





Analogue MicroMix MC08E

Stirrer speed controlled by microprocessor. Smooth and progressive start to maintain the magnetic coupling, independently of the selected speed. Automatic restart after unexpected shut down keeping the same parameters as before the incident.

Dimensions 210 x 260 x 110 mm.

Warranty 2 years.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|--------------|------------------------|----------------|-------------------|----------------------|
| O10000-00094 | 1 x 8 | 200 - 1500 | — | inox / Ø 15 |



Digital MicroMix MC20E

Stirrer speed controlled by microprocessor. Smooth and progressive start to maintain the magnetic coupling, independently of the selected speed. Automatic restart after unexpected shut down keeping the same parameters as before the incident.

Dimensions 210 x 260 x 110 mm.

Warranty 2 years.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|--------------|------------------------|----------------|-------------------|----------------------|
| O10000-00095 | 1 x 20 | 200 - 1500 | — | inox / Ø 15 |



Digital MicroMix Ultra MC50UE

Stirrer speed controlled by microprocessor. Smooth and progressive start to maintain the magnetic coupling, independently of the selected speed. Automatic restart after unexpected shut down, keeping the same parameters as before the incident. Antiscratch surface. Dimensions 410x570x140 mm.

Warranty 2 years.

| Reference | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|--------------|------------------------|----------------|-------------------|----------------------|
| O10000-01052 | 1 x 50 | 50 - 500 | — | Inox / 35 x 40 |

Magnetic Stirrers *multiposition*



Multimatic series without heating

Electronic heater energy control. For 5 flasks positions. Illuminated mains switch. Individual position stir speed control.

Dimensions 110x280x350. Weight 7 Kg.

Warranty 1 year.

| Reference | Model | Control | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|---------------|----------|------------------------|----------------|-------------------|----------------------|
| S7000951 | Multimatic-5S | analogic | 5 x 0,6 | 0 - 1600 | — | |
| S7000952 | Multimatic-9S | analogic | 9 x 0,3 | 0 - 1600 | — | |



Multimatic series with heating

Electronic heater energy control. Over temperature safety thermostat fitted.

Supplied with a 5 or 9 mm bar.

Dimensions 160x280x350 mm. Weight 12 Kg.

Warranty 1 year.

| Reference | Model | Control | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|---------------|----------|------------------------|----------------|-------------------|----------------------|
| S7000953 | Multimatic-5N | analogic | 5 x 0,6 | 0 - 1600 | 300 | Inox / Ø 15,4 |
| S7000954 | Multimatic-9N | analogic | 9 x 0,3 | 0 - 1600 | 300 | |

RSLAB-5NC without heating

High-performance multi-position magnetic stirrer with 10 stirring position, optimum use of laboratory space. Individually controlled stirring for consistency with various samples step less speed regulation. External rotor brushless motor reduces operating noises and increases motor life. Electronic speed control motor provides constant speed during changes in load.

Warranty 1 year.

| Reference | Control | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|----------|------------------------|----------------|-------------------|----------------------|
| ALBG005 | Analogic | 10 x 0,4 | 0 - 1100 | — | Inox / 18,2x45 |

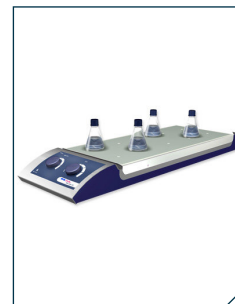


RSLAB-5C with heating

High-performance multi-position magnetic stirrer with 10 stirring position, optimum use of laboratory space. Individually controlled stirring for consistency with various samples step less speed regulation. External rotor brushless motor reduces operating noises and increases motor life. Stainless steel plate with silicone films, anti-slip and anti-corrosion. Inner set temperature control panel, uniform temperature distribution.

Warranty 1 year.

| Reference | Control | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|-----------|----------|------------------------|----------------|-------------------|----------------------|
| ALBB004 | Analogic | 10 x 0,4 | 0 - 1100 | 100 | Inox / 18,2x45 |



MultiMix Ultra MMH with heating

Multiple stirring units in a single platform, with a single electrical connection. Each magnetic stirrer works independently. Speed and temperature controlled by microprocessor. Selection among 10 different levels for temperature and speed. Removable plates to be able to replace itself in case of deterioration.

Warranty 2 years.

| Reference | Model | Control | Position x Cap. (L) | Speed (rpm) | Temp. (max °C) | Plate / Size (cm) |
|--------------|--------|----------|------------------------|----------------|-------------------|----------------------|
| O10000-01022 | MMH3E | analogic | 5 x 3 | 300 - 1500 | 400 | inox / 19 x 19 |
| O10000-01050 | MMH30E | digital | 5 x 3 | 100 - 1250 | 400 | alluminium |
| O10000-01037 | MMH50E | digital | 2 x 5 | 200 - 1200 | 400 | polished alluminium |
| O10000-01032 | MMH90E | digital | 2 x 9 | 200 - 1200 | 400 | polished alluminium |



Magnetic Stirrers *linear*

Multidimensional shaker RSLAB 7-A

Linear movement. Shaking platform including with max. shaking weight of 3,0 kg. Dimensions: 330x270x110 mm. Weight 3,1 Kg.

Warranty 1 year.

| Reference | Control | Feature | Speed (rpm) | Amplitude (mm) | Tubes Ø x H. (mm) |
|-----------|----------|---------|----------------|-------------------|----------------------|
| ALJQ001 | Analogic | linear | 0 - 200 | 20 | 330 x 270 |



Multidimensional shaker RSLAB 7-D

Linear movement (Ø: 4 mm) Max. shaking weight: 2,5 kg. Timer (1-1199 min)/Continuous. Over speed protection. Output RS232. Protection class: IP21. Plate with 3 bars included.

Warranty 1 year.

| Reference | Control | Feature | Speed (rpm) | Amplitude (mm) | Tubes Ø x H. (mm) |
|-----------|---------|---------|----------------|-------------------|----------------------|
| ALJQ002 | digital | linear | 100 - 350 | 4 | 340 x 300 |





Multidimensional shaker RSLAB-7 PRO

Orbital/Linear movement (Ø: 4 mm) Max. shaking weight: 2,5 kg to 7,5 kg. Timer (1-1199 min)/Continuous. Over speed protection. Output RS232. Protection class: IP21. Plate with 3 bars included.

Warranty 1 year.

| Reference | Control | Feature | Speed (rpm) | Amplitude (mm) | Tubes Ø x H. (mm) |
|-----------|---------|---------|-------------|----------------|-------------------|
| ALJQ003 | digital | linear | 100 - 350 | 10 | 420 x 370 |

Magnetic Stirrers *orbital*

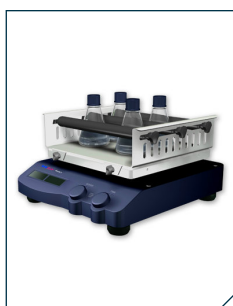


Analogue shaker RSLAB-7-A

Max. shaking weight: 3,0 kg. Dimensions: 330x270x110 mm. Shaking platform included.

Warranty 1 year.

| Reference | Control | Feature | Speed (rpm) | Amplitude (mm) | Tubes Ø x H. (mm) |
|-----------|----------|---------|-------------|----------------|-------------------|
| ALJN002 | Analogic | orbital | 0 - 200 | 20 | 330 x 270 |

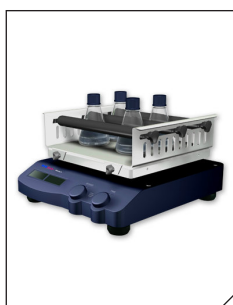


Analogue shaker RSLAB-7-D

Orbital/Linear movement (Ø: 4 mm) Max. shaking weight: 2,5 kg to 7,5 kg. Timer (1-1199 min)/Continuous. Over speed protection. Protection class: IP21. Plate with 3 bars included.

Warranty 1 year.

| Reference | Control | Feature | Speed (rpm) | Amplitude (mm) | Tubes Ø x H. (mm) |
|-----------|----------|---------|-------------|----------------|-------------------|
| ALJN003 | Analogic | orbital | 100 - 800 | 4 | 340 x 300 |



Analogue shaker RSLAB 7-PRO

Orbital movement (Ø: 4 mm) Max. shaking weight: 2,5 kg. Timer (1-1199 min)/Continuous. Over speed protection. Protection class: IP21. Plate with 3 bars included.

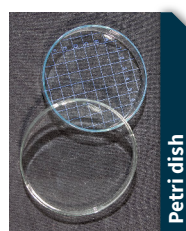
Warranty 1 year.

| Reference | Control | Feature | Speed (rpm) | Amplitude (mm) | Tubes Ø x H. (mm) |
|-----------|----------|---------|-------------|----------------|-------------------|
| ALJN004 | Analogic | orbital | 100 - 500 | 10 | 430 x 370 |

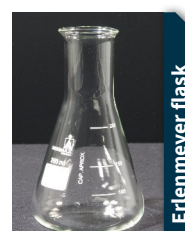
YOU MAY ALSO LIKE:

→ **Petri dish with counting grid**
(ref. 50585412)

→ **Erlenmeyer Flask**
(ref. 2122614N, 2121614N)



Petri dish



Erlenmeyer flask



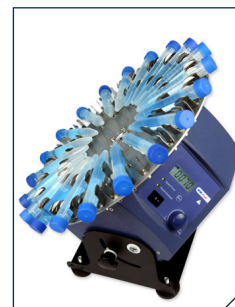
Erlenmeyer flask

Tube Roller RSLAB-9

Compact space-saving design fits easily in the incubator and refrigerator. Used with a wide variety of accessories, available for all kind of needs. Rotator capacity: 48 x 1.5 mL - 16 x 15 mL - 8 x 50 mL. Protection class according to DIN EN60529: IP21.

Warranty 1 year.

| Reference | Model | Feature | Speed (rpm) | Shaking angle | Tubes Ø x H. (mm) |
|-----------|----------------|-----------------------|-------------|---------------|-------------------|
| ALJG004 | 9 digital disk | Rotative angle 0 - 90 | 10 - 70 | 0° to 90° | – |

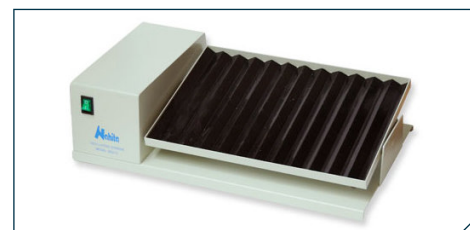


Rocker for 12 tubes

Platform is provided with a rocking motion up and down. The stirring speed is soft and constant ensuring an optimal shaking of samples. The platform is coated with a removable rubber tray that avoids tubes to slide. Platform 255x175 mm. Dimensions 350x200x95 mm.

Warranty 2 years.

| Reference | Model | Control | Capacity | Speed (rpm) | Amplitude (mm) | Tubes Ø x H. (mm) |
|-----------|--------|----------|----------|-------------|----------------|-------------------|
| ALJB001 | 683/10 | Analogic | 12 tubes | 15 | – | 20 x 170 |



Roll and tilt stirrer 683

Number of rollers: 7. Balance and rotation movements.

Warranty 2 years.

| Reference | Control | Capacity | Speed (rpm) | Tubes Ø x H. (mm) |
|-----------|----------|----------|-------------|-------------------|
| ALJD001 | Analogic | rotative | 10-80 | 30 x 240 |



Tilting Mixer Shaker Movil-Tub

Fixed speed tilting shaker mixer with removable silicon, anti slide tray. Recommended especially for haematology, chemistry and microbiology applications.

Warranty 1 year.

| Reference | Model | Control | Feature | Speed (rpm) | Plate / Size (cm) |
|-----------|-----------|----------|---------------------|-------------|-------------------|
| S7000913 | Movil-Tub | Analogic | Rocker for 12 tubes | 15 | inox / Ø 11 |



YOU MAY ALSO LIKE:

→ **Conical bottom tube 15ml** (Centrifuge resistance 11000 xg) (ref. NX20015)

→ **Conical bottom tube 50ml** (Centrifuge resistance 11000 xg) (ref. NX20053)



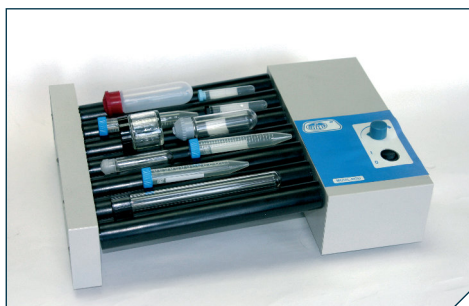


Rotator Orbit

Adjustable rotation angle axis from vertical to horizontal. An elastic shaft drive and clip supports permit the flasks and tubes to be loaded and unloaded while the motor is running. Epoxy coated outer casing. Recommended for extractions of cell cultures, blood tubes and other haematological applications.

Warranty 1 year.

| Reference | Model | Control | Feature | Speed (rpm) | Plate / Size (cm) |
|-----------|-------|----------|----------------------|-------------|-------------------|
| S3000445 | Orbit | Analogic | Stirrer for 30 tubes | 80 | inox / Ø 15 |



Roller and tilt mixer Movil-Rod

Adjustable rotation angle axis from vertical to horizontal. An elastic shaft drive and clip supports permit the flasks and tubes to be loaded and unloaded while the motor is running. Epoxy coated outer casing. Recommended for extractions of cell cultures, blood tubes and other haematological applications.

Warranty 1 year.

| Reference | Control | Feature | Speed (rpm) | Angle (°) | Plate / Size (cm) |
|-----------|----------|------------------|-------------|-----------|-------------------|
| S7001723 | Analogic | Rotative stirrer | 10 - 70 | 0 - 90 | inox / Ø 15 |

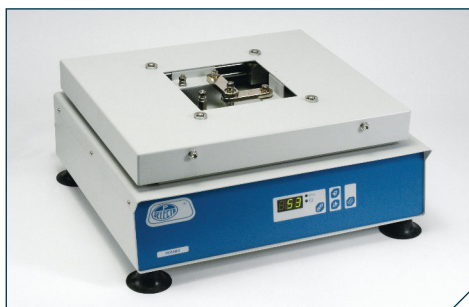


Orbital and linear motion shaker Rotaterm

Adjustable temperature range from ambient +5 °C. to 250 °C. Electronic digital speed control from 20 to 230 oscillations per minute and timer from 1 to 999 minutes or continuous operation. Adjustable oscillation amplitude: 15 and 20 mm. Choice of: orbital or linear motion. The upper platform is made of AISI 304 stainless steel with adjustable tensile spring clips that allow all kinds of glassware, flasks, Erlenmeyer flasks, racks, etc. to be held in position. Digital calibration temperature circuit.

Warranty 1 year.

| Reference | Control | Feature | Speed (rpm) | Amplitude (mm) | Plate / Size (cm) |
|-----------|---------|---------------------------------|-------------|----------------|-------------------|
| S3000435 | Digital | Orbital and linear with heating | 0 - 200 | 20 | Inox / 35 x 40 |



Orbital and linear shaker Rotabit

Versatile orbital and horizontal shaker. Speed control with timer from 1 to 999 minutes or continuous operation. Epoxy covered outer casing. Easy to interchange platforms. Dimensions 200x420x430 mm. Weight 13,5 Kg.

Warranty: 1 year.

| Reference | Control | Feature | Speed (rpm) | Amplitude (mm) | Plate / Size (cm) |
|-----------|---------|--------------------|-------------|----------------|-------------------|
| S3000974 | Digital | Orbital and linear | 0 - 200 | 20 | inox / 19 x 19 |



AG200

Electronic digital control of speed and run-time. Digital control. Capacity for 4 petri plates. Useful for slides and little flasks shaking. Dimensions 100x280x260 mm. Weight 7 Kg.

Warranty 1 year.

| Reference | Control | Feature | Speed (rpm) | Amplitude (mm) | Plate / Size (cm) |
|-----------|---------|---------|-------------|----------------|-------------------|
| S5312010 | Digital | orbital | 240 | 24 | inox |

Vortex Mixer

Ideal for mixing samples in tubes, vials and similar vessels of different diameters at extremely high speed rates.

Warranty 1 year.

| Reference | Model | Control | Speed (rpm) | Amplitude (mm) |
|-----------|------------|----------|-------------------|----------------|
| S5411000 | Reax-Top | analogic | 2500 (adjustable) | 5 |
| S5451000 | Multi-Reax | digital | 2000 (adjustable) | 3 |



Mixer shaker for tubes Vortex-Vib

With stirring selector by pressure, or fixed in continuous. Starting switch, 4 interchangeable platforms for multiple tubes and 50 ml flasks. Base with 4 suction cups for full adherence.

Warranty 1 year.

| Reference | Control | Speed (rpm) | Amplitude (mm) |
|-----------|----------|-------------------|----------------|
| S7001725 | analogic | 2800 (adjustable) | _ |



Mixer shaker for tubes VibraMix

With stirring selector by pressure, or fixed in continuous. Starting switch, 4 interchangeable platforms for multiple tubes and 50 ml flasks. Base with 4 suction cups for full adherence.

Warranty 2 years.

| Reference | Control | Speed (rpm) | Amplitude (mm) |
|--------------|----------|-------------------|----------------|
| O10000-01006 | analogic | 2600 (adjustable) | 3 |



Vortex mixer RSLAB-6PRO

Continuous and discontinuous operation. Shaking movement orbital 4mm. Excellent vibration damping. Eccentric with oilless ball bearings. Protection class IP21. Dimensions 127x130x160mm. Standard top included.

Warranty 1 year.

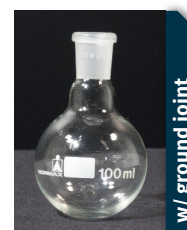
| Reference | Control | Speed (rpm) | Amplitude (mm) |
|-----------|----------|-------------------|----------------|
| ALGB003 | analogic | 2500 (adjustable) | 4 |



YOU MAY ALSO LIKE:

→ **Round Bottom Flask**
(ref. 2172124N)

→ **Round Bottom Flask w/ standard ground joint**
(ref. 46809)



Autoclaves

Micro/Med

Autoclave for sterilization. Vertical stand model conforms to apparatus pressure regulation directives. Pressure regulator thermostat of 1 and 2 bar. AISI 304 stainless steel external case and top. Stainless steel chamber and lid, with easy opening. INCOLOY special stainless steel heater element, which provides long life, low corrosion and high temperatures resistance.

Warranty 1 year.

| Reference | Model | Capacity (L) | Temp. (°C) | Pressure (bar) | Size (cm) | Power (W) |
|-----------|---------|--------------|------------|----------------|-----------|-----------|
| S4001745 | Micro 8 | 8 | 121 - 134 | 1/2 | 24 x 15 | 1000 |
| S4001756 | Med 12 | 12 | 121 - 134 | 1/2 | 24 x 26 | 1800 |
| S4001757 | Med 20 | 20 | 121 - 134 | 1/2 | 24 x 41 | 2500 |



Presoclave III

Autoclave for sterilization. Vertical stand model conforms to apparatus pressure regulation directives. Microprocessor temperature and cycle control and atmospheric purge. Pressure regulator thermostat of 1 and 2 bar. External case made from stainless steel. INCOLOY stainless steel heater elements, hard waring, resistant to corrosion and high temperatures.

Warranty 1 year.

| Reference | Model | Capacity (L) | Temp. (°C) | Pressure (bar) | Size (cm) | Power (W) |
|-----------|----------------|--------------|------------|----------------|-----------|-----------|
| S4001758 | Presoclave III | 50 | 115 - 134 | 0,21-1 / 2 | 30 x 70 | 3000 |
| S4001759 | Presoclave III | 80 | 115 - 134 | 0,62 - 2 | 40 x 60 | 3600 |



Austester ST Dry PV-III

Conforms to the regulation 97/23/CEE equipment under pressure 3.3. Stainless steel lid with six closure point system. Pulsed vacuum system and atmosphere purge. Incorporated steam generator, connected to the main chamber. Water reservoir for clean water for the steam generator boiler. External water connection if required. USB output for PEN-DRIVE data logging and computer connection.

Warranty 1 year.

| Reference | Model | Capacity (L) | Temp. (°C) | Pressure (bar) | Size (cm) | Power (W) |
|-----------|-------------------------|--------------|------------|----------------|-----------|-----------|
| S4002420 | Austester ST Dry PV-III | 25 | 105 - 134 | 0,21 - 2 | 30 x 35 | 2510 |
| S4002516 | Austester ST Dry PV-III | 50 | 105 - 134 | 0,21 - 2 | 30 x 70 | 3000 |
| S4002517 | Austester ST Dry PV-III | 80 | 105 - 134 | 0,21 - 2 | 40 x 60 | 4850 |
| S4002518 | Austester ST Dry PV-III | 150 | 105 - 134 | 0,21 - 2 | 50 x 70 | 7500 |



Steril-food

For preserved food pasteurization-sterilization. Model include compressor and not need compressed air installation. Water supply needed with low-cal content and drainage. External case, top, tank and lid made of stainless steel. Tank filled by external water inlet. Temperature control probe inside the sample. Counter pressure system to prevent the cans breakage. Temperature, time and pressure registered in USB

Warranty 1 year.

| Reference | Model | Capacity (L) | Temp. (°C) | Pressure (bar) | Size (cm) | Power (W) |
|-----------|---------------------|--------------|------------|----------------|-----------|-----------|
| S4002421 | Steril-Food COM 20 | 20 | 70 - 121 | 1 | 24 x 41 | 2500 |
| S4002427 | Steril-Food MAN 80 | 80 | 70 - 121 | 1 | 40 x 60 | 3600 |
| S4002422 | Steril-Food COM 80 | 80 | 70 - 121 | 1 | 40 x 60 | 3600 |
| S4002428 | Steril-Food MAN 150 | 150 | 70 - 121 | 1 | 50 x 70 | 7500 |
| S4002423 | Steril-Food COM 150 | 150 | 70 - 121 | 1 | 50 x 70 | 7500 |



Austester ST Dry PV-B

Stainless steel internal chamber. Staged vacuum purge. Dry by vacuum. Incorporated steam generator. Water reservoir to supply the chamber. High vapour penetration of porous material. Used in digestive studies, ophthalmology, operating theatres etc. Printer interface. USB adapter for parameters memorization (optional). According to directive: 97/23/CEE equipment under pressure 3.3.

Warranty 1 year.

| Reference | Model | Capacity (L) | Temp. (°C) | Pressure (bar) | Size (cm) | Power (W) |
|-----------|----------------------------|--------------|---------------|----------------|-----------|-----------|
| S4001726 | Austester P 1,5 | 1,5 | 105/121 - 134 | 0,62 - 2 | 9 x 16 | 1100 |
| S4001727 | Austester ST Dry PV-B 12 | 12 | 105 - 134 | 1/2 | 20 x 35 | 1800 |
| S4001734 | Austester ST Dry PV-B 18 | 18 | 70 - 121 | 1/2 | 24,5 x 28 | 1500 |
| S4001735 | Austester ST Dry PV-III 23 | 23 | 121 / 134 | 1/2 | 24,5 x 28 | 2300 |



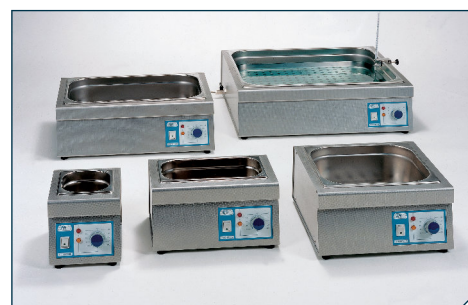
Thermostatic Baths

Precistern

Extensive range of sizes and accessories. Stainless steel interior and external case. Double skinned tank with an exterior case of AISI 304 stainless steel. Heating elements embedded in INCOLOY heat and corrosion resistant stainless steel.

Warranty 1 year.

| Reference | Control | Capacity (L) | Temp. (°C) | Size (cm) | Power (W) |
|-----------|----------|--------------|------------|--------------|-----------|
| S6000137 | analogic | 2 | 110 | 15 x 15 x 13 | 390 |
| S6000138 | analogic | 5 | 110 | 15 x 30 x 14 | 600 |
| S6000140 | analogic | 12 | 110 | 15 x 30 x 30 | 1100 |
| S6000141 | analogic | 20 | 110 | 15 x 48 x 30 | 1500 |
| S6000142 | analogic | 45 | 110 | 15 x 62 x 50 | 2400 |



Precisbat

Inner vessel made of AISI 304 stainless steel with the external case made of AISI 304 stainless steel. The heater element is embedded in stainless steel INCOLOY alloy, resistant to corrosion and heat. Independent control for each position. Adjustable temperature from +5 to 200°C.

Warranty 1 year.

| Reference | Control | Capacity (L) | Temp. (°C) | Size (cm) | Power (W) |
|-----------|----------|--------------|------------|--------------|-----------|
| S6001462 | analogic | 2x2 | 200 | 12 x 14 x 12 | 1300 |
| S6001472 | analogic | 2x4 | 200 | 12 x 14 x 12 | 3560 |
| S6001482 | analogic | 2x6 | 200 | 12 x 14 x 12 | 3800 |



Precisdig

Digital control display of temperature and time. Adjustable temperature range from ambient +5 to 99,9 °C. Interior and exterior made from Stainless steel. DIN 12877 standard. Double skinned tank of AISI 304 stainless steel with an external case of AISI 304 stainless steel. Comes complete with drain tap. With or without anti-evaporation folding lid.

Warranty 1 year.

| Reference | Control | Capacity (L) | Temp. (°C) | Size (cm) | Power (W) |
|-----------|---------|--------------|------------|--------------|-----------|
| S6001195 | digital | 5 | 99,9 | 15 x 30 x 14 | 3200 |
| S6001236 | digital | 5 | 99,9 | 15 x 30 x 14 | 1100 |
| S6001196 | digital | 12 | 99,9 | 15 x 30 x 30 | 1100 |
| S6001237 | digital | 12 | 99,9 | 15 x 30 x 30 | 1400 |
| S6001197 | digital | 20 | 99,9 | 15 x 48 x 30 | 1500 |
| S6001238 | digital | 20 | 99,9 | 15 x 48 x 30 | 2100 |
| S6001198 | digital | 45 | 99,9 | 15 x 62 x 50 | 2400 |
| S6001239 | digital | 45 | 99,9 | 15 x 62 x 50 | 3800 |





BE series

Inner tank made of stainless steel AISI 304. Temperature controlled by means of an hydraulic thermostat, for water and oil. Heating resistance embedded made of special alloy of stainless steel, heat and corrosion resistant. Protection IP52. Accessories and spare parts availables.

Warranty 2 year.

| Reference | Model | Control | Capacity (L) | Temp. (°C) | Size (cm) | Power (W) |
|--------------|-------|----------|--------------|------------|--------------|-----------|
| O10000-01101 | B105E | analogic | 5 | 120* | 30 x 15 x 13 | 600 |
| O10000-01102 | B112E | analogic | 12 | 120* | 33 x 30 x 13 | 800 |
| O10000-01103 | B120E | analogic | 20 | 120* | 50 x 30 x 13 | 1600 |
| O10000-01104 | B145E | analogic | 45 | 120* | 62 x 50 x 13 | 3200 |

*Also available with a maximum temperature of 210°C



Thermostatic bath BDE series

Stainless Steel interior chamber made out of one single piece of welds, inside an exterior metallic structure covered with epoxy. Digital selection of parameters. Hermetically sealed membrane keyboard Lid with holes (11 cm) and reduction rings (8 and 5 cm) included

Warranty 2 year.

| Reference | Model | Control | Capacity (L) | Temp. (°C) | Size (cm) | Power (W) |
|--------------|---------|---------|--------------|------------|--------------|-----------|
| O10000-01109 | B105 | digital | 5 | 100 | 30 x 15 x 13 | 600 |
| O10000-01110 | B112-DE | digital | 12 | 100 | 33 x 30 x 13 | 800 |
| O10000-01111 | B120-DE | digital | 20 | 100 | 50 x 30 x 13 | 1600 |
| O10000-01112 | B145-DE | digital | 45 | 100 | 62 x 50 x 13 | 3200 |
| O10000-01120 | B205-DE | digital | 5 | 200 | 30 x 15 x 13 | 600 |
| O10000-01121 | B212-DE | digital | 12 | 200 | 33 x 30 x 13 | 800 |
| O10000-01122 | B220-DE | digital | 20 | 200 | 50 x 30 x 13 | 600 |
| O10000-01123 | B245-DE | digital | 45 | 200 | 53 x 33 x 30 | 1600 |



Ultrasons-H/HD

Heating cleaning bath. Digital electronic regulation of temperature and time from +5 to 80 °C. Increase/decrease time push button in minutes (from 0' to 60'). Increase/decrease temperature push button in °C. Double body container, completely made of stainless steel and with waste drain device.

Warranty 1 year.

| Reference | Heating | Control | Max. Temp. (°C) | Capacity (L) | H. x L. x D. (cm) | Power (W) |
|-----------|---------|---------|-----------------|--------------|-------------------|-----------|
| S3000839 | yes | digital | 75 | 9 | 15 x 50 x 14 | 800 |
| S3000865 | yes | digital | 80 | 5 | 15 x 24 x 14 | 75 |
| S3000866 | yes | digital | 80 | 6 | 15 x 30 x 15 | 75 |
| S3000867 | yes | digital | 80 | 10 | 15 x 30 x 24 | 225 |



Ultrasons

Digital ultrasonic cleaning baths. Timer switch for 0 -15 minutes or continuous operation. Indicator lamp when the unit is in operation. Internal tank made from stainless steel, with minimum and maximum level indicator. External case, basket and lid made from PVC. Maximum cleaning power, frequency 42 KHz.

Warranty 1 year.

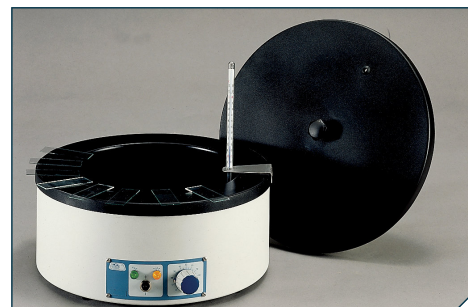
| Reference | Heating | Control | Max. Temp. (°C) | Capacity (L) | H. x L. x D. (cm) | Power (W) |
|-----------|---------|----------|-----------------|--------------|-------------------|-----------|
| S3000513 | no | analogic | — | 6 | 15 x 30 x 14 | 150 |
| S3000514 | no | analogic | — | 9 | 15 x 30 x 23 | 200 |
| S3000617 | no | analogic | — | 9 | 15 x 50 x 14 | 200 |
| S3000683 | no | analogic | — | 2,6 | 9 x 23 x 13 | 100 |
| S3000837 | no | analogic | — | 6,5 | 14 x Ø 24 | 150 |
| S3001208 | no | analogic | — | 4 | 10 x 30 x 14 | 100 |
| S5900650 | no | digital | — | 1,4 | 6 x 13 x 16 | 70 |

Termofin

Histology paraffin section mounting bath adjustable temperature from 40 to 80°C. Suitable for the fusion and preservation of paraffin wax in a liquid state that enables the user to see the floated sections. Aluminium inner tank and lid with a P.T.F.E. matt black coating. Thermometer location hole in the lid to read temperature. Hydraulic temperature thermostat regulator synchronised with an indicator lamp. Weight 2,3 Kg.

Warranty 1 year.

| Reference | Control | Max. Temp. (°C) | Capacity (L) | Power (W) |
|-----------|----------|-----------------|--------------|-----------|
| S3000459 | analogic | 40-80 | 4 | 430 |



605

Equipment with high functional material and easy to use. Wide panel control. The thermostatic chamber permit the separation and subsequent application on the microscope slides. Wide thermal limit to get an excellent drying on the preparation. Dimensions 340x350x105 mm. Weight 4,5 Kg.

Warranty 1 year.

| Reference | Control | Max. Temp. (°C) | Capacity (L) | Power (W) |
|-----------|---------|-----------------|--------------|-----------|
| AZFP008 | digital | Tamb +5-90 | 2 | 550 |



Combiplac-Sand

Adjustable plate temperature up to 400 °C. Electronic energy heater controller. The steel hotplate surface has an evenly distributed heater element providing homogeneous heat distribution. The non warping AISI 304 stainless steel sand bath can be easily removed for cleaning. The Hotplate can be used independently without the sand bath. Hotplate casing is made of AISI 304 stainless steel. Dimensions 180x220x410 mm. Weight 13Kg.

Warranty 1 year.

| Reference | Control | Max. Temp. (°C) | Power (W) | Plate size (cm) |
|-----------|---------|-----------------|-----------|-----------------|
| S6000708 | analog | 400 | 2300 | 18 x 38 |
| S6000709 | analog | 400 | 2800 | 30 x 30 |



SB400E

Temperature controlled by microprocessor, with internal PT100 sensor. Digital LCD display. Display indication of high temperature on the surface, that provides protection against burn. Heating resistance distributed homogeneously for a uniform heating of the whole contact surface. Automatic restart after unexpected shut down.

Dimensions 360x460x180 mm. Weight 7,5 Kg.

Warranty 2 years.

| Reference | Control | Plate size (cm) | Power (W) | Max. Temp. (°C) |
|--------------|---------|-----------------|-----------|-----------------|
| O10000-01119 | digital | 32 x 32 | 1500 | 400 |



Unitronic Reciprocating

Precise reciprocal shaking baths controlled by microprocessor with refrigeration DIN 12877 standard. Microprocessor control with digital display and push button temperature, speed and time selection.

Dimensions 300x740x40,5 mm. Weight 25 Kg.

Warranty 1 year.

| Reference | Model | Capacity (L) | Air Temp.(°C) | H x L x W (cm) | Power (W) |
|-----------|--|--------------|---------------|----------------|-----------|
| S6032011 | Unitronic Reciprocating (10-100 rpm) | 27 | +5 - 99,9 | 18x48x29 | 1500 |
| S6001173 | Unitronic Reciprocating-C refrigerated bath (10-100 rpm) | 27 | +5 - 99,9 | 18x48x30 | 1750 |





Thermostatized bath BSE

Mobile inner tank made of stainless steel AISI 304, with horizontal shaking. Temperature controlled by microprocessor. Digital Display LCD. Double safety thermostat. Indication on the display of high temperature on the tank, that provides protection against burn. Automatic restart after unexpected shut down. Mains switch ON/OFF protected against splashes. Water drainage faucet and handles for an easy transport.

Warranty 2 year.

| Reference | Model | Capacity (L) | Air Temp.(°C) | H x L x W (cm) | Power (W) |
|--------------|---|--------------|---------------|----------------|-----------|
| O10000-01114 | BS127E thermostalized bath (200-1200 rpm) | 20 | +5 - 100 | 35 x 26 x 17 | 1600 |
| O10000-01132 | BS145E (10-100 rpm) | 45 | +5 - 100 | 49 x 45 x 17 | 3200 |



Agibat-20

Water bath with inner stirring. Digital control and display of temperature and time. Adjustable temperature range from ambient +5 to 80°C. Stability $\pm 0.1^\circ\text{C}$. Temperature accuracy $\pm 1^\circ\text{C}$. Working temperature precision 0.1°C . Double skinned tank, inner case made of AISI 304 stainless steel. External case of AISI 304 steel. Submerged heating elements in INCOLOY special alloy.

Warranty 1 year.

| Reference | Model | Capacity (L) | Air Temp.(°C) | H x L x W (cm) | Power (W) |
|-----------|------------------------------|--------------|---------------|----------------|-----------|
| S6032012 | Agibat-20 with Macrolon® lid | 20 | +5 - 80 | 15 x 48 x 30 | 2010 |
| S6002013 | Agibat-20 | 20 | +5 - 80 | 15 x 48 x 30 | 2010 |



Thermostat OvanTherm BHMxE

Multistirrer MultiMix D MM50 or MM90 and stainless steel tank of 20L. Temperature controlled by microprocessor. Temperature adjustable at the immersion thermostat, and stirring speed adjustable for each place individually. Pump for homogeneization. Digital Display LCD. Double safety thermostat. Indication on the display of high temperature on the tank, that provides protection against burn. P52. Accessories and spare parts availables.

Dimensions 360x650x360 mm. Weight 18 Kg.

Warranty 2 year.

| Reference | Model | Capacity (L) | Air Temp.(°C) | H x L x W (cm) | Power (W) |
|--------------|-------|--------------|---------------|----------------|-----------|
| O10000-01130 | BHM5E | 20 | +5 - 100 | 36 x 38 x 15 | 1600 |
| O10000-01128 | BHM9E | 20 | +5 - 100 | 36 x 38 x 15 | 1600 |

Analytical Balances



XA.4Y

An integrated antistatic ionizer is implemented in XA 4Y balances. Innovative 2-point adjustment system. CPU Dual Core 2 x 1 GHz processor which delivers noticeable performance improvements including faster operation and shorter stabilization time retaining high repeatability values. 8 GB RAM. Ergonomic and safe. With remote control operation.

Warranty 2 years.

| Reference | Max capacity (g) | Readability (mg) | Plate (Ø mm) |
|----------------|------------------|------------------|--------------|
| RWXA52.4Y | 52 | 0,01 | 85 |
| RWXA110.4Y | 110 | 0,01 | 85 |
| RWXA210.4Y | 210 | 0,01 | 85 |
| RWXA82/220.4Y | 82/220 | 0,01/0,1 | 85 |
| RWXA120/250.4Y | 120/250 | 0,01/0,1 | 85 |
| RWXA220.4Y | 220 | 0,1 | 100 |
| RWXA310.4Y | 310 | 0,1 | 100 |

XA.4Y.A

For fast and precise mass determination of weighed objects with application of a modern terminal PUE7 series. Parts counting, labelling and formula making processes are allowed. Universal software implemented in the terminal. Interfaces RS232, USB and Ethernet. WLY balance enables quick searching of a product by means of a connected barcode scanner. The terminal can cooperate with a computer software "LABEL EDITOR", which communicates with the scale either through RS 232 interface or through ETHERNET.

Warranty 2 years.

| Reference | Max capacity (g) | Readability (mg) | Plate (Ø mm) |
|------------------|------------------|------------------|--------------|
| RWXA220.4Y | 52 | 0,01 | 85 |
| RWXA310.4Y | 110 | 0,01 | 85 |
| RWXA210.4Y.A | 210 | 0,01 | 85 |
| RWXA82/220.4Y.A | 82/220 | 0,01/0,1 | 85 |
| RWXA120/250.4Y.A | 120/250 | 0,01/0,1 | 85 |
| RWXA220.4Y.A | 220 | 0,1 | 100 |
| RWXA310.4Y.A | 310 | 0,1 | 100 |



AS.3Y

Monitored by a LevelSENSING system. Online monitoring of ambient conditions by means of either internal sensors or external ambient conditions module THB. Large weighing chamber protected by an anti-draft shield against ambient conditions impact. The draft-shield also ensures cleanness and sterility of weighing chamber interior. Packaging dimensions 600×400×540 mm. Weight 11 kg

Warranty 2 years.

| Reference | Max capacity (g) | Readability (mg) | Plate (Ø mm) |
|------------|------------------|------------------|--------------|
| RWAS220.3Y | 220 | 0,1 | 85 |
| RWAS310.3Y | 310 | 0,1 | 85 |
| RWAS510.3Y | 510 | 0,1 | 85 |



AS.X2/R2

Easy of operation, clear menu and practical arrangement of the display. A wide array of available interfaces facilitate selection of the most optimal means for communication. Unlimited possibilities for cooperation with external devices, providing printing, copying, archiving and data transfer. Information system based on 7 databases. ALIBI Memory. Personalization taken to the next level. The X2 is the only balance available on the market that provides a user with the option to design display using wide selection of widgets. Customised display. USB interface facilitates quick transfer and copying of any results of your work. Network management of the weighing data increases effectivity, productivity and safety of the important data to the maximum.

Warranty 2 years.

| Reference Model AS.X2 | Reference Model AS.R2 | Max capacity (g) | Readability (mg) | Plate (Ø mm) |
|-----------------------|-----------------------|------------------|------------------|--------------|
| RWAS60/220.X2 | RWAS60/220.R2 | 60/220 | 0,01/0,1 | 70 |
| RWAS82/220.X2 | RWAS82/220.R2 | 82/220 | 0,01/0,1 | 70 |
| RWAS220.X2 | RWAS220.R2 | 220 | 0,1 | 85 |
| RWAS310.X2 | RWAS310.R2 | 310 | 0,1 | 85 |



Precision Balances



WLY series

For fast and precise mass determination of weighed objects with application of a modern terminal PUE7 series. Parts counting, labelling and formula making processes are allowed. Universal software implemented in the terminal. Interfaces RS232, USB and Ethernet. WLY balance enables quick searching of a product by means of a connected barcode scanner. The terminal can cooperate with a computer software "LABEL EDITOR", and the software communicates with the scale either through RS 232 interface or through ETHERNET. **Warranty 2 years.**

| Reference | Max capacity (Kg) | Readability (mg) | Plate (Ø mm) |
|--------------|-------------------|------------------|--------------|
| RWWLY6/D2 | 6 | 0,1 | 195 x 195 |
| RWWLY6/F1/R | 6 | 0,1 | 300 x 300 |
| RWWLY6/F1/K | 6 | 0,1 | 300 x 300 |
| RWWLY60/C2/R | 60 | 1 | 500 x 400 |
| RWWLY60/C2/K | 60 | 1 | 500 x 400 |



X2/R2 series

Unlimited possibilities for cooperation with external devices. Built-in IR sensors allow numerous operations. Plastic housing and stainless steel pan. ALIBI Memory. Customised display. USB interface. Dimensions 470×380×336 mm.

Warranty 2 years.

| model PS.X2 | model PS.R2 | Max. Cap. (g) | Readability (g) | Plate (mm) |
|---------------|-----------------|---------------|-----------------|------------|
| PS200/2000.X2 | RWPS200/2000.R2 | 200/2000 | 0,001 / 0,01 | 128×128 |
| PS210.X2 | RWPS210.R2 | 210 | 0,001 | 128×128 |
| PS360.X2 | RWPS360.R2 | 360 | 0,001 | 128×128 |
| PS600.X2 | RWPS600.R2 | 600 | 0,001 | 128×128 |
| PS750.X2 | RWPS750.R2 | 750 | 0,001 | 128×128 |
| PS1000.X2 | RWPS1000.R2 | 1010 | 0,001 | 128×128 |
| PS1200.X2 | RWPS1200.R2 | 1200 | 0,01 | 195×195 |
| PS2100.X2 | RWPS2100.R2 | 2100 | 0,01 | 195×195 |
| PS3500.X2 | RWPS3500.R2 | 3500 | 0,01 | 195×195 |
| PS4500.X2 | RWPS4500.R2 | 4500 | 0,01 | 195×195 |
| PS6000.X2 | RWPS6000.R2 | 6000 | 0,01 | 195×195 |
| PS6001.X2 | RWPS6001.R2 | 6000 | 0,1 | 195×195 |



WLC/WLC C/2 series

Designed for fast and precise mass determination in laboratory and industry. The devices are equipped with RS232 connector and an internal battery which allows their operation in places where there is no access to the mains (230V). The balance features a stainless steel weighing pan, and a backlit LCD guaranteeing clear weighing result presentation. Optionally, they can be equipped with additional RS232 connector. CE certified. Packaging dimension 570×390×170 mm IP43.

Warranty 2 years.

| Reference Model WLC | Reference Model WLC C/2 | Max cap. (Kg) | Readability (mg) | Plate (Ø mm) |
|---------------------|-------------------------|---------------|------------------|--------------|
| RWWLC0.6/A1 | RWWLC0.6/A1/C/2 | 0,6 | 0,01 | 128 x 128 |
| RWWLC6/A2 | RWWLC6/A2/C/2 | 6 | 0,1 | 195 x 195 |
| RWWLC6/F1/R | — | 6 | 0,1 | 300 x 300 |
| RWWLC60/C2/R | — | 60 | 1 | 400 x 500 |
| RWWLC60/C2/K | — | 60 | 1 | 400 x 500 |

Moisture Analyzer

3Y series

Database contains programmable drying modes. The MA 3Y series enables printing and exporting charts presented on its display to a BMP file. Customization of instrument's settings thanks to extended user profiles. The balance level is monitored by Level SENSING system, a RADWAG patented solution, which uses a system of an electronic level. Standard and user defined printouts allow for maintaining documentation complying with GLP/GMP requirements practically in any organization. Packaging dimensions 595×395×420 mm.

Warranty 2 years.

| Reference | IR | Max temp (°C) | Max cap. (g) | Readability (mg) |
|------------|----|---------------|--------------|------------------|
| RWMA60.3Y | X | 160 | 60 | 0,1 |
| RWMA200.3Y | X | 160 | 200 | 1 |

Available with halogen lamp with metal resistance and maximum temperature of 250°C



R series

Equipped with a brand new readable LCD display providing an extra text line for information such as supplementary messages and data, e.g. product name or tare value. The moisture analyzer, using respective pictograms, signalizes currently activated mode, computer connection and functions, both balance and service ones. Interfaces: RS232, USB type A, USB type B and Wireless Connection as an option.

Warranty 2 years.

| Reference | IR | Max temp (°C) | Max cap. (g) | Readability (mg) |
|------------|----|---------------|--------------|------------------|
| RWMA50/1.R | — | 160 | 50 | 0,1 |
| RWMA50.R | — | 160 | 50 | 1 |
| RWMA110.R | — | 160 | 110 | 1 |
| RWMA210.R | — | 160 | 210 | 1 |

Available with halogen lamp with a maximum temperature of 250°C



Vacuum Pump Membrane

MV50

For vacuum filtration, distillation and drying. Rotating evaporators. Gas extraction and transport. Constructed in aluminium. Membrane of polifluoropreno, resistant to the corrosion. Refrigeration system that allows a continuous operation of 24 hours.

Warranty 1 year.

| Reference | Vacuum flow | Vacuum limit | Max. pressure (bar) | H. x L. x D. (cm) | Power (W) |
|-----------|-------------|--------------|---------------------|-------------------|-----------|
| S5910100 | 1,8 m³/h | 200 mbar | 2 | 23,5 x 16 x 21 | 160 |



Vacuum-Sel

Small footprint, bench top. Quiet and vibration free. Maximum working temperature: 40 °C. Mains power switch. Vacuum gauge, scale 0 to -1 bar. Vacuum in. Air out.

Warranty 1 year.

| Reference | Vacuum flow | Vacuum limit | (bar) Max. pressure | H. x L. x D. (cm) | Power (W) |
|-----------|-------------|--------------|---------------------|-------------------|-----------|
| S3001001 | 1,08 l/min | -0,6 bar | - | 19 x 14 x 19 | 35 |





Pres

Quiet and vibration free, with control for pressure/vacuum system and a maximum working temperature of 40 °C. Vacuum gauge, scale 0 to -1 bar. Pressure gauge, scale 0 to 2.5 bar. Pump Rate Vacuum limit Height / Width / Depth Power Weight litres/min. (exterior) cm W Kg 3001001 1.08 -0.6 bar ≈ 440 mm Hg 19 14 19 35 3.

Warranty 1 year.

| Reference | Vacuum flow | Vacuum limit | (bar) Max. pressure | H. x L. x D. (cm) | Power (W) |
|-----------|-------------|--------------|---------------------|-------------------|-----------|
| S3001002 | 1,08 l/min | -0,6 bar | 1,2 | 19 x 14 x 19 | 35 |

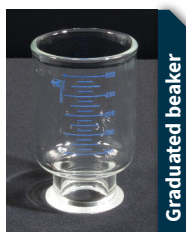


N Series

Transfer, evacuation and compression, free from contamination. The models N-86 and N-022 of 2.5 and 4 bar of relative pressure, can be used also as a compressor. Can be operated dry. No lubrication required. Maintenance free. Silent. The double head models are made with linear two phase membranes. All Models (except model N-022), are made with a patented system of diaphragms manufactured with optimum tension, that results in a smaller and more durable pump. Approximate loss 6 x 10-3 mbar x L/s. Complete with thermal breaker and fuse. Medium to high resistance to chemicals, (model dependant).

Warranty 1 year.

| Reference | Model | Vacuum flow | Vacuum limit | (bar) Max. pressure | H. x L. x D. (cm) | Power (W) |
|-----------|-------------|-------------|--------------|---------------------|--------------------|-----------|
| S5910106 | N-86 | 5,5 l/min | 160 mbar | 2,5 | 14 x 9 x 17 | 65 |
| S5910107 | N-022 | 13 l/min | 100 mbar | 4 | 19 x 15 x 20 | 100 |
| S5910108 | N-816 | 16 l/min | 20 mbar | 0,5 | 14 x 9 x 36 | 100 |
| S5910009 | N-820 | 20 l/min | 8 mbar | 1 | 21 x 15 x 31 | 120 |
| S5910110 | N840 | 34 l/min | 8 mbar | 1 | 23 x 17 x 34 | 245 |
| LG6080038 | N 810 FT.18 | 0,6 l/min | 100 mbar | 1 | 25,6 x 18,7 x 14,6 | 100 |
| LG9880510 | N 86 | 0,36 l/min | 100 mbar | 2,4 | 16,4 x 14,1x 9 | 60 |



Graduated beaker



Funnel



Clamp

YOU MAY ALSO LIKE:

Normax Filtration Set (ref. 9060001)

Includes:

→ **Graduated beaker** (ref. 9060027)

→ **Funnel** (ref. 9060028)

→ **Clamp** (ref. 6507003)

Vacuum Pump Rotary



Rotary series

Rotary vein pump with anti return valve prevents oil flow back, suitable for general laboratory applications. Over temperature motor protection cut-out and main on/off switch features. Aspiration connection 16 mm Ø in model 5900620 and 16 mm Ø in model 5900621. Analogue vacuum gauge. High oil volume and forced lubrication. Oil reservoir charge capacity: 25 cc in model 5900620 and 55 cc in model 5900621. Exhaust filter and ballast. Shock absorber mounted. Low noise level (62db) Maximum working temperature 60 °C. Portable with lifting handle.

Warranty 1 year.

| Reference | Vacuum flow | Vacuum limit (mbar) | H. x L. x D. (cm) | Power (W) |
|-----------|-------------|---------------------|-------------------|-----------|
| S5900620 | 3,6 m³/h | 0,1 | 21 x 26,5 x 12 | 120 |
| S5900621 | 1,8 m³/h | 0,06 | 25 x 32x 13 | 180 |

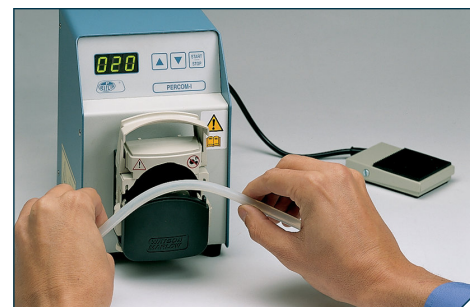
Peristaltic Pump

Percom N-M

Electronic speed control with digital display with multihead adapter for tubes from 4 to 12 mm Ø. Maximum wall thickness 1,5 mm. Adjustable flow rates from 1080 to 73800 ml/hr. Small footprint bench top model Quiet with minimal vibrations. Speed control 20 to 200 r.p.m. Stop/Start switch. Digital speed display. Increase/decrease speed control. External control connection using a foot switch for Start / Stop, supplied as an accessory.

Warranty 1 year.

| Reference | Model | Pump rate of H ₂ O (ml/h) | H. x L. x D. (cm) | Power (W) |
|-----------|------------|--------------------------------------|-------------------|-----------|
| S3001300 | Percom N-M | 1080 to 73800 | 16 x 12 x 18 | 12 |

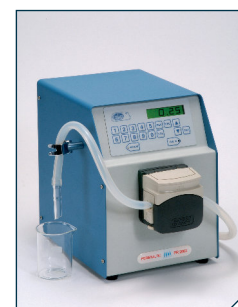


PR-2003

Electronic speed control with digital display with multihead adapter for tubes from 4 to 12 mm Ø. Maximum wall thickness 1,6mm. Adjustable dosing rate programmable from 10 ml to 10 litres. Maximum pump rate 1500 ml / minute. Small foot print, bench top. Silent and free from vibrations. Pump tube held by a simple clamp Glass dosing tip "PECIPUMP" provides precise dispensing. Dispense rate: the pump can dispense set volumes over a set time period, at a constant rate over a set time or continuous operation. Start - Stop foot switch, for operation from a distance, supplied as an accessory.

Warranty 1 year.

| Reference | Model | Pump rate of H ₂ O (ml/h) | H. x L. x D. (cm) | Power (W) |
|-----------|---------------------|--------------------------------------|-------------------|-----------|
| S4129050 | Peristaltic PR-2003 | 10 to 10000 | 25 x 19 x 23 | 65 |



Vertical laminar flow Cabinet

Cruma FL-model

ISO Class 5 air purity . HEPA H-14 filter 99.995% for particles of 0.3 µm, and a 15W UV germicide lamp. Designed to decontaminate the hood before and after each use. In compliance with the EN-1822, DIN-24184, US St-209, ISO-14644, EN-ISO 90001:2000. It includes new important technical features in order to satisfy the operator in his everyday task and his protection at work, taking care of the environment as well.

Warranty up to 7 years.

| Reference | Model | N° filters | N° Fans | Air velocity (m/s) | H. x L. x D. internal (cm) | H. x L. x D. external (cm) |
|-----------|-------|------------|---------|--------------------|----------------------------|----------------------------|
| CR670FL | 670FL | 1 | 1 | 0,45 | 63 x 57,5 x 56 | 93 x 60 x 60 |
| CR870FL | 870FL | 1 | 1 | 0,45 | 74 x 77,5 x 56 | 112,5 x 80 x 60 |



Cruma FL-model Plug & Play

In the FL models, the air flow passes through a HEPA H-14 filter (made pursuant to EN-1822) at constant speed, travelling vertically through the cabinet in a laminar flow and producing a Class 100 sterile area (in accordance with AF standards 209E, corresponding to ISO class 5) to protect the sample from external contamination. Cross contamination between the samples is prevented as well. The filter system has an efficiency of at least 99.995% for particles from 0.3 µm, as well an extraction rate of 100%.

Application: Manipulations which require sample protection to avoid contamination.

Warranty 7 years

| Reference | Model | N° filters | N° Fans | Air velocity (m/s) | H. x L. x D. internal (cm) | H. x L. x D. external (cm) |
|-----------|-------|------------|---------|--------------------|----------------------------|----------------------------|
| CRFL1 | FL-1 | 1 | 1 | 0,45 | 61 x 71 x 55,6 | 113,7 x 80 x 60 |
| CRFL2 | FL-2 | 1 | 1 | 0,45 | 61 x 111 x 55,6 | 113,7 x 120 x 60 |



Horizontal laminar flow **Cabinet****Cruma HZ-model, horizontal**

Class ISO 5 (former class 100). Polyurethane fiber G-4 prefilter. H-14 HEPA filter. Parenteral bags reconstruction, assisted reproductive technologies, micropropagation, plant cell cultures, food and water quality control, dust protection in optics and electronics industry. The surface of the working chamber is in stainless steel AISI 304 2B. Acrylic transparent side walls, Absolute HEPA H-14 filter with flow equalizer, efficiency greater than 99.995% on 0.3 micron particles. Filter is in accordance with EN-779:1996 and EN-1822:1998. Centrifugal double suction, suitable to provide laminar flow in the workspace. Control panel with soft-touch keyboard and switch for LED and optional UV lamps; the air speed is kept at a constant rate thanks to the HEPA filter which is electronically self-regulated, electronic control air speed and control key to slow it down. Filter life timer.

Warranty 7 years.

| Reference | Model | N° filters | N° Fans | air velocity (m/s) | H. x L. x D. internal (cm) | H. x L. x D. external (cm) |
|-----------|-------|------------|---------|--------------------|----------------------------|----------------------------|
| CRHZ1 | HZ-1 | 1 | 1 | 0,40 | 63,3 x 60 x 76,9 | 97,7 x 77 x 89,5 |
| CRHZ2 | HZ-2 | 1 | 2 | 0,40 | 63,3 x 60 x 116,9 | 97,7 x 77 x 129,5 |
| CRPCR | PCR | 1 | — | — | 57,5 x 56,5 x 60,5 | 60 x 60 x 77,5 |

Biosafety Cabinet**Cruma Safety cabinet**

CLASS II Type A2 (EN 12469:2000) with digital functions. Complete integrity by close control of the airflow. HEPA filter. UV and LED light. Microprocessor controlled motor blower (LCD) with volumetric sensor for exhausted air flow monitoring. Large screen monitor. Automatic control of preset airflow volumes. Sliding sash window with smart control. Multilevel alarms, with redundancy functions. Highest air flow stability both in case of transitional disturbances or to progressive filter clogging. Semi-automatic fumigation cycle (EN12297 tested and certified). Continuous monitoring of front barrier air flow for the highest operator safety - Low barrier alarm - Power failure alarm.

Warranty 2 years.

| Reference | Model | N° filters | N° Fans | air velocity (m/s) | H. x L. x D. internal (cm) | H. x L. x D. external (cm) |
|-----------|-------|------------|---------|--------------------|----------------------------|----------------------------|
| CRBIO1 | BIO-1 | 2 | 1 | 0,5 | 70 x 92,4 x 60 | 145 x 107,4 x 84 |
| CRBIO2 | BIO-2 | 2 | 1 | 0,5 | 70 x 123 x 60 | 145 x 138 x 84 |

Centrifuge**Centrolit II-BL**

Electronic control with digital display of speed and time, with acceleration and brake ramp. Timer controllable from 1' to 60' or continuous operation. Rubber suspended motor that guarantees a smooth operation. Digital speed display. Pulse button, that drives the motor while pressed. Automatic stop if out of balance, with indicator light.

Suction base supports that adhere to the work bench surface. Quiet operation, insulated interior that absorbs noise and vibrations. In the case of mains failure, manual open override aperture. Noise level 50-60dBA. Rotors and buckets with laser identification. Autoclavable.

Warranty 1 year

| Reference | Model | Max Volume (ml) | Tubes capacity (ml) | RPM (max) | H. x L. x D. (cm) | Power (W) |
|-----------|-----------------|-----------------|---------------------|--------------|-------------------|-----------|
| S7002357 | Centrolit II-BL | 27 | 18 x 1,5 a 2,2 | Angular 1200 | 20 x 28 x 34 | 200 |
| S7002240 | Cencom II | 90 | 6 x 15 | Angular 4000 | 28 x Ø26 | 80 |

Mixtasel-BLT

Rotors, buckets and adapters are identified with an inalterable engraved laser code. Air circulation system, to limit any excessive rise in temperature within the centrifuge, all air circulated within the chamber is channelled out of the back and is not re-circulated, this means that the centrifuges internal temperature will remain low and constant.

Warranty 1 year.

| Reference | Max Volume (ml) | Tubes capacity (ml) | RPM (max) | H. x L. x D. (cm) | Power (W) |
|-----------|-----------------|---------------------|----------------------------------|-------------------|-----------|
| S7002576 | 400 | 4 x 100 | Swingout head 4200, Angular 4200 | 29 x 39 x 44 | 210 |



BLT-II

High speed centrifuges with microprocessor control. Versatile. Large range of rotors and adapters. Maintenance free induction motor drive. External case of DURAL alloy with ABS plastic coated front AISI 304 stainless. The rotor being used limits the actual temperature in the chamber due to the speed and ambient temperature. Internal temperature indicated on the LCD display. Steel bowl.

Warranty 1 year.

| Reference | Model | Max. volume | Tubes capacity (ml) | RPM (max) | H. x L. x D. (cm) | Power (W) |
|-----------|---------------------|-------------|---------------------|-----------------------------------|-------------------|-----------|
| S7001768 | Centronic BLT-II | 400 ml | 4 x 100 | Swingout head 5000, Angular 12000 | 34 x 41 x 54 | 440 |
| S7001769 | Centrifriger BLT-II | 400 ml | 4 x 100 | Swingout head 5000, Angular 12000 | 34 x 41 x 71 | 960 |



Centrifuge BTL-S

High speed centrifuges with microprocessor control "Meditronic-BLT" and "Medifriger-BLT". Capacity up to 800 ml. Maintenance free induction motor drive. External case made of DURAL alloy with an AISI 304 stainless steel bowl.

Warranty 1 year.

| Reference | Model | Max Volume (ml) | Tubes capacity (ml) | RPM (max) | H. x L. x D. (cm) | Power (W) |
|-----------|------------------|-----------------|---------------------|-----------------------------------|-------------------|-----------|
| S7001476 | Meditronic-BLT-S | 800 | 4 x 200 | Swingout head 5000, Angular 15000 | 38 x 46 x 52 | 520 |
| S7001477 | Medifriger-BLT-S | 800 | 4 x 300 | Swingout head 5000, Angular 15000 | 38 x 68 x 52 | 1230 |



Macrotronic-BLT

Microprocessor controlled. Multi-capability. Capacity from 1.5/2.2 ml vials up to tubes of 500 ml and 500ml blood bags. Maintenance free induction motor drive. External case made of DURAL alloy with an AISI 304 stainless steel bowl.

Warranty 1 year.

| Reference | Model | Max Volume (ml) | Tubes capacity (ml) | RPM (max) | H. x L. x D. (cm) | Power (W) |
|-----------|-----------------|-----------------|---------------------|-----------------------------------|-------------------|-----------|
| S7001485 | Macrotronic-BLT | 2000 | 4 x 500 | Swingout head 5000, Angular 12000 | 45 x 60 x 66 | 720 |



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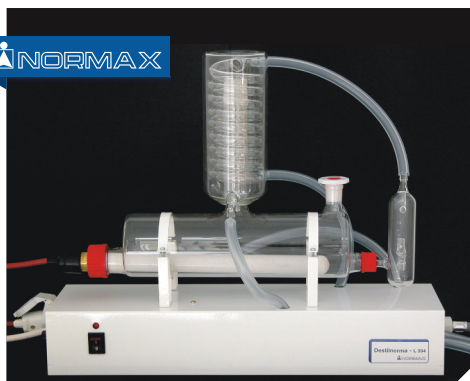
→ **Conical bottom tube 15ml** (Centrifuge resistance 11000 xg) (ref. NX20015)

→ **Conical bottom tube 50ml** (Centrifuge resistance 11000 xg) (ref. NX20053)



Water Still

NORMAX



Destilnorma L304

Distillation capacity 4 litres/hours. Tank made from glass and heating element made from quartz. External case made from epoxy covered steel. Easily dismantled for cleaning and service. All seals made from silicon. In the case of over temperature or low water supply, a safety thermostat cuts power to the heater. Water supply tube Ø 10 to 11 mm. Distilled water tube connection Ø 12 mm. Voltage: 230 V / 50/60 Hz.

Warranty 2 years.

| Reference | Capacity | Water Consumption | Water Temp. (°C) | Conductivity (µS/cm) | H. x L. x D. (cm) | Power (W) |
|-----------|----------|-------------------|------------------|----------------------|-------------------|-----------|
| 520 | 4 L/h | 60 L/h | 25 - 30 | 1 - 5 | 46 x 60 x 17,5 | 2600 |



AC-L Series

Distillation capacity 3.5 and 8 litres/hours. Tank and heating element made from stainless steel. External case made from epoxy covered steel. Easily dismantled for cleaning and service. All seals made from silicon. In the case of over temperature or low water supply, a safety thermostat cuts power to the heater. Water supply tube Ø 10 to 11 mm. Distilled water tube connection Ø 12 mm. Voltage: 230 V / 50/60 Hz. Safety switch thermostat with rearm system.

Warranty 1 year.

| Reference | Model | Capacity | Water Consumption | Conductivity (µS/cm) | H. x L. x D. (cm) | Power (W) |
|-----------|-------|----------|-------------------|----------------------|-------------------|-----------|
| S4903007 | AC-L4 | 4 L/h | 30 L/h | 1,5 | 44 x 37 x 22 | 3000 |
| S4903008 | AC-L8 | 8 L/h | 80 L/h | 1,5 | 64 x 37 x 26 | 6000 |



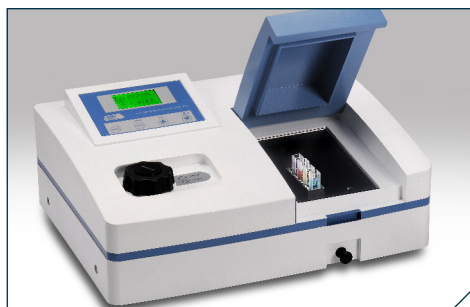
L-4 Cabinet

Desktop model with device to hang it on the wall. Continuous production of high purity distilled water free of dissolved gases, metals, salts and pyrogens. Easy to dismantle for a complete cleaning. Automatic operation. Totally automatic operation. Disconnection when the distilled water tank is full. Reconnection when emptied. Automatic operation of the distiller. Double safety system: 1. By a thermostat that turns the heater off in case of lack of water supply. 2. Water level device that avoids the computer to function until the heating element is covered with water.

Warranty 1 year.

| Reference | Model | Capacity | Water Consumption | Conductivity (µS/cm) | H. x L. x D. (cm) | Power (W) |
|-----------|-------|----------|-------------------|----------------------|-------------------|-----------|
| S4903010 | L-4B | 4 L/h | 78 L/h | 1 | 46 x 66 x 50 | 6000 |

Spectrophotometer



V-1100

High quality silicon photometric diode detector and 1200 lines/mm diffraction grating ensure the high quality accuracy and precision. Digital display for an easy readout. Large sample compartment, which can accommodate 5 to 100mm path length cuvettes with optional holders. Its pre-aligned design makes it possible to change the halogen lamps by the user himself.

Warranty 1 year.

| Reference | Feature | Wavelength adjustment | Wavelength range (nm) | Wavelength accuracy(nm) | Photometric Accuracy (%T) |
|-----------|---------|-----------------------|-----------------------|-------------------------|---------------------------|
| S4120025 | visible | manual | 325-1000 | ± 2 | ± 0,3 |

VR-2000

Same features as V1100, plus a large LCD screen (128x64bits). It can display a total of 50 groups of data (3 groups per screen). It can display standard curve and kinetics curve graphic. The system can also save the test results. A total of 50 data groups and 10 standard curves can be saved in the RAM memory. At most 9 standard samples can be used to establish a standard curve.

Warranty 1 year.

| Reference | Feature | Wavelength adjustment | Wavelength range (nm) | Wavelength accuracy(nm) | Photometric Accuracy (%T) |
|-----------|---------|-----------------------|-----------------------|-------------------------|---------------------------|
| S4120026 | visible | automatic | 325-1000 | ± 1 | ± 0,5 |



UV series

High quality silicon photometric diode detector and 1200 lines/mm diffraction grating ensure the high quality accuracy and precision.

They are widely used in colleges and enterprises for general quantitatives analysis and experiments based in absorbance measurements.

Warranty 1 year.

| Reference | Model | Feature | Wavelength range (nm) | Wavelength accuracy(nm) | Photometric Accuracy (%T) |
|-----------|---------|---------------------|-----------------------|-------------------------|---------------------------|
| S4120020 | UV-2005 | ultraviolet-visible | 190-1100 | ± 0,5 | ± 0,3 |
| S4120021 | UV-3100 | ultraviolet-visible | 190-1100 | ± 0,5 | ± 0,3 |



4201/50 model

Digital adjustment of wavelength. High quality silicon photometric diode detector and 1200 lines/mm grating ensure the high accuracy and precision. LCD display. Data can be restored after a sudden power cut. Tungsten and deuterium lamp can be turned individually to extend lifetime. Large sample compartment. Pre-aligned design ensures the user to change lamp conveniently.

Warranty 2 years.

| Reference | Feature | Wavelength positioning | Wavelength range (nm) | Wavelength accuracy(nm) | Photometric Accuracy (%T) |
|-----------|-------------|------------------------|-----------------------|-------------------------|---------------------------|
| AHJD001 | ultraviolet | automatic | 200-1000 | ± 2 | ± 0,5 |



Ovens

Conterm

Temperature thermostat control with analogue thermometer. Temperature from 40 °C up to 250 °C. Stability: ±0.3 °C UP TO 150 °C. Homogeneity: ±3,25 °C UP TO 150 °C. Standard EN.61010. Incorporated fixed over temperature device. Standard DIN 12880. (CLASS 2 AND 3.1) Safety thermostat controller fitted. Features, control panel safety.

Warranty 1 year.

| Reference | Temperature (°C) | Capacity (L) | H. x L. x D. Usable (cm) | Power (W) |
|-----------|------------------|--------------|--------------------------|-----------|
| S2000250 | 40-250 | 19 | 30 x 25 x 25 | 640 |
| S2000251 | 40-250 | 36 | 40 x 30 x 30 | 950 |
| S2000252 | 40-250 | 52 | 33 x 47 x 33 | 1075 |
| S2000253 | 40-250 | 80 | 50 x 40 x 40 | 1230 |
| S2000254 | 40-250 | 150 | 50 x 60 x 50 | 2150 |





Dryglass

Fan assisted air circulation. Adjustable temperature from 40°C TO 170 °C. Hydraulic thermostat for temperature control. Air circulation by turbo fan. Inner chamber made of AISI 304 stainless steel with shelf runners. Removable tempered glass sliding doors. Ventilation port for steam. Epoxy coated external case. Dual heating power selector switch. Mains indicator lamp. Hydraulic thermostat for temperature control. Locking system of thermostat knob. Heater "ON" operation indicator lamp. Analogue thermometer. Adjustable over temperature safety thermostat, that cuts off the power if the control thermostat fails, manual reset with "on" indicator lamp.

Warranty 1 year.

| Reference | Temperature (°C) | Capacity (L) | H. x L. x D. Usable (cm) | Power (W) |
|-----------|------------------|--------------|--------------------------|-----------|
| S2000381 | 40 - 170 | 126 | 45 x 70 x 40 | 3000 |



631/632 series

Drying ovens used in research laboratories, hospitals and industry for sample drying and disinfecting materials, and other applications. Door with double glazed window for external control, no temperature variations. Supplied with trays (2 units, height adjustable), which provides great flexibility of use allowing to introduce bottles and containers of different sizes. Air circulation system by natural convection (631 Serie plus) or forced air with switch air circulation (632 serie plus). Control panel with keyboard and digital display. Adjustable legs for easy installation. Protection system overheat with visual and audible alarm.

Warranty 2 years

| Reference | Model | Ambient Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) | Power (W) |
|-----------|--------------|--------------------|--------------|--------------------------|-----------|
| AJBD001 | 631/30 plus | +5 - 250 | 30 | 31 x 31 x 31 | 300 |
| AJBD002 | 631/45 plus | +5 - 250 | 45 | 35 x 35 x 35 | 300 |
| AJBD003 | 631/65 plus | +5 - 250 | 65 | 40 x 36 x 45 | 400 |
| AJBD004 | 631/125 plus | +5 - 250 | 125 | 50 x 45 x 55 | 400 |
| AJBD005* | 632/30 plus | +5 - 250 | 30 | 31 x 31 x 31 | 300 |
| AJBD006* | 632/45 plus | +5 - 250 | 45 | 35 x 35 x 35 | 300 |
| AJBD007* | 632/65 plus | +5 - 250 | 65 | 40 x 36 x 45 | 400 |
| AJBD008* | 632/125 plus | +5 - 250 | 125 | 50 x 45 x 55 | 400 |

*forced air fan circulation



Digiheat-TFT Series

Microprocessor control with TFT touch screen. Adjustable temperature from ambient +5 °C up to 250 °C. Stability: ±0.3 °C, up to 150 °C. Homogeneity: ±3,25 °C, UP TO 150 °C. SET Error: ±2 % of the working temperature resolution: 1 °C. Incorporated fixed over temperature device. Standard DIN 12880. Controllable safety thermostat fitted. Reaches working temperature with minimum delay.

Warranty 1 year.

| Reference | Model | Ambient Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) | Power (W) |
|-----------|---------------|--------------------|--------------|--------------------------|-----------|
| S2001251* | Digitheat-TFT | +5 - 250 | 19 | 30 x 25 x 25 | 600 |
| S2001252* | Digitheat-TFT | +5 - 250 | 36 | 40 x 30 x 30 | 900 |
| S2001253* | Digitheat-TFT | +5 - 250 | 52 | 33 x 47 x 33 | 1000 |
| S2001254* | Digitheat-TFT | +5 - 250 | 80 | 50 x 40 x 40 | 1200 |
| S2001255* | Digitheat-TFT | +5 - 250 | 150 | 50 x 60 x 50 | 2100 |

*natural convection

Vaciotem series

Digital temperature control, electronic vacuum pressure display and timer. USB controllable temperature from 35 °C to 200 °C. Stability ± 1 °C, UP TO 100 °C. Homogeneity ± 3 °C, UP TO 100 °C. Set error ± 2 °C. EN.61010 STANDARD. DIN 12880. Standard adjustable safety thermostat fitted. Digital electronic control of: temperature, vacuum pressure and pre-selected programmable timer. Temperature sensor Pt100 Automatic air inlet at the end of the operation cycle. Heating element placed evenly around the chamber. Chamber made of AISI 304 stainless steel. Trays made of anodised aluminium. Vacuum port with bleed valve. Air valve at the front. Vacuum pump connection at the back. RS-232 Interface output for parameters to a computer, printer or USB adapter.

Warranty 1 year.

| Reference | Model | Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) | Power (W) |
|-----------|-------------|------------|--------------|--------------------------|-----------|
| S4001489 | Vaciotem-T | 35 - 200 | 47 | 10 ⁻² | 34 x 52 |
| S4001490 | Vaciotem-TV | 35 - 200 | 47 | 10 ⁻² | 34 x 52 |



Digitronic-TFT series

Fan assisted circulation. For: bacteriological assays, drying processes and sterilization. Microprocessor control with TFT touch screen. Adjustable temperatures from +5 °C up to 250 °C. Stability: ± 0.3 °C, up to 100 °C. Homogeneity: ± 1 °C, up to 100 °C. Set error: $\pm 2\%$ of the working temperature. Resolution: 1 °C. EN.61012 standard temperature safety cut out fitted. DIN 12880. (CLASS 2 AND 3.1) FITTED. Multipurpose oven. Fast response and recuperation of temperature.

Warranty 1 year.

| Reference | Ambient Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) | Power (W) |
|-----------|--------------------|--------------|--------------------------|-----------|
| S2005163 | +5 - 250 | 33 | 40 x 28 x 30 | 1200 |
| S2005164 | +5 - 250 | 33 | 40 x 28 x 30 | 1200 |
| S2005165 | +5 - 250 | 47 | 33 x 45 x 32 | 1200 |
| S2005166 | +5 - 250 | 47 | 33 x 45 x 32 | 1200 |
| S2005167 | +5 - 250 | 76 | 50 x 38 x 40 | 1600 |
| S2005168 | +5 - 250 | 76 | 50 x 38 x 40 | 1600 |
| S2005169 | +5 - 250 | 145 | 50 x 58 x 50 | 2000 |
| S2005170 | +5 - 250 | 145 | 50 x 58 x 50 | 2000 |



Incubators

Cooled incubator

Forced air circulation. Digital electronic control of temperature and time, adjustable from +5 °C to 65 °C. Stability ± 0.1 °C up to 20 °C. Homogeneity ± 0.5 °C up to 20 °C. Set error ± 2 °C. Resolution 0.1 °C. Epoxy coated external case. Interior AISI304 stainless steel. Door with double glazed glass to maintain internal temperature. Illumination switch with internal fluorescent light. Side port for the introduction of external cables probes and tubes etc. Cooling gas R134a. 4 wheels with brake. Two safety power sockets.

Warranty 1 year.

| Reference | Model | Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) | Power (W) |
|-----------|-----------|------------|--------------|--------------------------|-----------|
| S2101618 | Hotcold S | +5 - 65 | 160 | 65 x 50 x 50 | 400 |





Cooled incubator

Forced air circulation. Digital electronic control of temperature and time, adjustable from +5 °C to 65 °C. Stability ± 0.1 °C up to 20 °C. Homogeneity ± 0.5 °C up to 20 °C. Set error ± 2 °C. Resolution 0.1 °C. Epoxy coated external case. Interior AISI304 stainless steel. Door with double glazed glass to maintain internal temperature. Illumination switch with internal fluorescent light. Side port for the introduction of external cables probes and tubes. Cooling gas R134a. 4 wheels with brake. Two safety power sockets.

Warranty 1 year.

| Reference | Model | Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) | Power (W) |
|-----------|------------|------------|--------------|--------------------------|-----------|
| S2101502 | Hotcold A | 0 - 50 | 319 | 139 x 48 x 45 | 236 |
| S2101503 | Hotcold B | 0 - 50 | 442 | 126 x 58 x 55 | 236 |
| S2101504 | Hotcold C | 0 - 50 | 600 | 136 x 58 x 69 | 351 |
| S2101505 | Hotcold UB | -10 - 50 | 442 | 126 x 58 x 55 | 597 |
| S2101506 | Hotcold UC | -10 - 50 | 600 | 136 x 58 x 69 | 593 |
| S2101507 | Hotcold GL | +5 - 50 | 600 | 42 x 35 x 50 | 950 |



Incubat series

Temperature thermostat control with analogue thermometer. Adjustable temperature from ambient +5 °C up to 80 °C. Stability: ± 0.1 °C, up to 37 °C. Homogeneity: ± 0.5 °C up to 37 °C Internal glass door. Over temperature cut out incorporated according to the EN.61010 STANDARD. Adjustable safety thermostat DIN 12880. Accessories must be factory installed.

Warranty 1 year.

| Reference | Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) | Power (W) |
|-----------|------------|--------------|--------------------------|-----------|
| S2000260 | +5 - 80 | 19 | 30 x 25 x 25 | 165 |
| S2000261 | +5 - 80 | 36 | 40 x 30 x 30 | 245 |
| S2000262 | +5 - 80 | 52 | 33 x 47 x 33 | 275 |
| S2000263 | +5 - 80 | 80 | 50 x 40 x 40 | 315 |
| S2000264 | +5 - 80 | 150 | 50 x 60 x 50 | 535 |



Incudigit-TFT series

Digital control and display of temperature and time. Adjustable temperature from ambient +5 °C up to 80 °C. Stability: ± 0.1 °C up to 37 °C. Homogeneity: ± 0.5 °C up to 37 °C. Set error: $\pm 2\%$ of the working temperature. Resolution 0.1 °C internal tempered glass door. Double chamber, minimum risk of sample contamination. Inside without openings and with rounded corners. Over temperature cut out incorporated according to the EN.61010 standard. Adjustable safety thermostat DIN 12880. Accessories must be factory installed.

Warranty 1 year.

| Reference | Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) | Power (W) |
|-----------|------------|--------------|--------------------------|-----------|
| S2001261 | +5 - 80 | 19 | 30 x 25 x 25 | 150 |
| S2001262 | +5 - 80 | 36 | 40 x 30 x 30 | 225 |
| S2001263 | +5 - 80 | 52 | 33 x 47 x 33 | 250 |
| S2001264 | +5 - 80 | 80 | 50 x 40 x 40 | 300 |
| S2001265 | +5 - 80 | 150 | 50 x 60 x 50 | 525 |



Incubig-TFT series

Digital control and display of temperature and time. Adjustable temperature from ambient +5 °C up to 80 °C. Stability: ± 0.1 °C up to 37 °C. Homogeneity: ± 0.5 °C up to 37 °C. Set error: $\pm 2\%$ of the working temperature. Resolution 0.1 °C internal tempered glass door. Double chamber, minimum risk of sample contamination. Inside without openings and with rounded corners. Easy to clean. Over temperature cut out incorporated according to the EN.61010 standard. Adjustable safety thermostat DIN 12880. Accessories must be factory installed.

Warranty 1 year.

| Reference | Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) | Power (W) |
|-----------|------------|--------------|--------------------------|-----------|
| S2000238 | +5 - 80 | 288 | 80 x 60 x 60 | 570 |
| S2000239* | +5 - 80 | 400 | 100 x 80 x 50 | 1100 |
| S2000240* | +5 - 80 | 720 | 120 x 100 x 60 | 1600 |

*2 doors

Prebatem-TFT series

Digital control and display of temperature and time. Adjustable temperature from ambient +5 °C up to 80 °C. Stability: ± 0.1 °C up to 37 °C. Homogeneity: ± 0.5 °C up to 37 °C. Set error: $\pm 2\%$ of the working temperature. Resolution 0.1 °C internal tempered glass door. Double chamber, minimum risk of sample contamination. Inside without openings, with rounded corners. Easy to clean. Over temperature cut out incorporated according to the EN.61010 standard. Adjustable safety thermostat DIN 12880. Accessories must be factory installed.

Warranty 1 year.

| Reference | Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) | Power (W) |
|-----------|------------|--------------|--------------------------|-----------|
| S2000963* | +5 - 60 | 36 | 40 x 30 x 30 | 310 |
| S2000964* | +5 - 60 | 80 | 50 x 40 x 40 | 310 |
| S2000965 | +5 - 60 | 150 | 50 x 60 x 50 | 310 |

*forced air fan circulation



Boxcult

Stability: ± 0.25 °C up to 37 °C. Homogeneity: ± 1 °C up to 37 °C. Set error: $\pm 2\%$ of the working temperature. Resolution 0.1 °C. Safety standard EN 61010. Over temperature safety thermostat fitted. Made of transparent methacrylate. AISI 304 stainless steel. The fan convection circulation system ensures an even and rapid recovery of temperature. A 30 mm Ø port at the rear can be used to connect power to apparatus inside the chamber. Supplied as accessories, the removable base allows the Boxcult to be mounted on the "Rotabit" reciprocal / or - bital shaker. The metallic top of the chamber includes the heating elements, air circulation fan and temperature control.

Warranty 1 year.

| Reference | Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) |
|-----------|------------|--------------|--------------------------|
| S3000957* | +5 - 57 | 110 | 50 x 47 x 47 |

*forced air fan circulation



Incubator CO₂

For anaerobic cell and tissue cultures. Microprocessor control with digital display of temperature and CO₂. Adjustable temperatures from ambient +5 °C to 50 °C USB Stability: ± 0.2 °C up to 37 °C. Homogeneity: ± 0.5 °C up to 37 °C. Resolution: 0.1 °C. Alarm Range: from ambient +5 °C to 50 °C Resolution: 0.1 °C. CO₂ Range: from 0 to 20%. Stability: $\pm 0.3\%$. Resolution: 0.1%. RS-232 Interface output for a computer, printer or USB adapter. External dimensions 950x650x730 mm. Weight 110 Kg.

Warranty 1 year.

| Reference | Temp. (°C) | Capacity (L) | H. x L. x D. usable (cm) |
|-----------|------------|--------------|--------------------------|
| S4002628 | +5 - 50°C | 150 | 65 x 50 x 46 |



Orbital shaker incubator

Adjustable temperature from ambient +5°C to 60 °C. Model D-2102 refrigerated. Compact unit with brushless motor assembly built-in over an anti-vibration mount and hermetic compressor group with aired condenser in models with refrigeration. Internal platform with multiadapter positions to different accessories, such as: adapters for Erlenmeyer, microtiters plates or universal tray with adjustable tension springs for vessels of different sizes. Widely used in research institutions, universities, epidemiological prevention centres, doping tests, agriculture and molecular biology. Accessories and complements are available.

Warranty 1 year.

| Reference | Model | Range of rotation (mm) | Speed (rpm) | Refrigeration (°C) | Timer (h) | Number of platforms |
|-----------|--------|------------------------|-------------|--------------------|-----------|---------------------|
| S5312130 | D-1102 | 25 | 25 - 300 | 4 - 60 | 0 - 999 | 1 |
| S5312131 | D-2102 | 25 | 25 - 300 | 4 - 60 | 0 - 999 | 1 |





Orbital shaker incubator

Adjustable temperature from ambient +5°C to 60 °C.

Model 2102 refrigerated. Fan air circulated. Two removable upper trays for high volume Erlenmeyer flasks accommodation in the lower tray. Induction drive motor. Internal platform with multi-adaptor positions for differing accessories, such as: conical flask adapters, microtitre plate holders and universal tray with adjustable tension springs for other non standard sized vessels.

Warranty 1 year.

| Reference | Model | Range of rotation (mm) | Speed (rpm) | Refrigeration (°C) | Timer (h) | Number of platforms |
|-----------|-------|------------------------|-------------|--------------------|-----------|---------------------|
| S5312132 | 1102 | 26 | 30 - 300 | 5 - 60 | 0 - 500 | 2 |
| S5312133 | 2102 | 26 | 30 - 300 | 5 - 60 | 0 - 500 | 2 |



PLX-IN

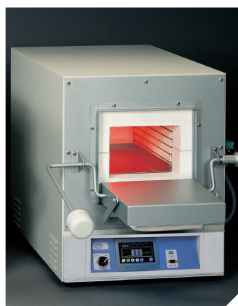
Peltier effect. No compressor group. Quiet, vibrations free, high accuracy and low consumption. For platelet bags "APL-54" shaking, capacity 54 Platelet bags. For regulable for regulable temperatures from 18 °C up to 60 °C. Resolution 0,1 °C. Stability $\pm 0,1$ °C. Homogeneity $\pm 0,5$ °C. set error $\pm 0,3$ °C. Auto shut-off protective device in case of door opening and automatic restart in 30 seconds.

External dimensions 330x 60x 500 mm. Weight 38kg.

Warranty 1 year.

| Reference | Model | Range of rotation (mm) | Speed (rpm) | Refrigeration (°C) | Timer (h) | Number of platforms |
|-----------|--------|------------------------|-------------|--------------------|-----------|---------------------|
| S3000958 | PLX-IN | 40 | 66 | 18 - 60 | yes | 9 |

Muffles



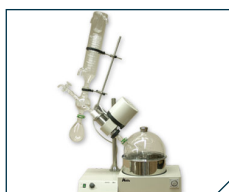
Muffle

With digital regulation of temperature.

Warranty 1 year.

| Reference | model | Capacity (L) | Temp. (°C) | H. x L. x D. Int. (cm) | Power (W) |
|-----------|-----------------|--------------|------------|------------------------|-----------|
| S2000376 | Select-Horn-TFT | 3,6 | 1150 | 10 x 15 x 24 | 2500 |
| S2000377 | Select-Horn-TFT | 9 | 1150 | 15 x 20 x 30 | 3000 |
| S2200851 | N - 8 L | 8,2 | 1100 | 14,5 x 20 x 30 | 1800 |
| S2000368 | R-3L | 3 | 1100 | 11,5 x 12,5 x 20 | 1700 |
| S2000369 | R-8L | 8 | 1100 | 13 x 20 x 30 | 1800 |

Rotary evaporators



Rotary evaporator

With digital control of temperature. **Warranty 2 years.**

| Reference | Model | Capacity (L) | Speed (rpm) | Temp. (°C) |
|------------|----------------------|--------------|-------------|------------|
| S6003000* | RS 3000-V | 3 | 0 - 120 | until 100 |
| S5560011** | Hei-vap value HL | 4,5 | 20 - 280 | 20 - 210 |
| S5561013** | Hei-vap advantage HL | 4,5 | 20 - 280 | 20 - 210 |
| PBG007 | RS 100 PRO | 5 | 20 - 280 | tamb -180 |
| PGB006 | RS 100 PRO | 5 | 20 - 280 | tamb -180 |
| PGB005 | 9300 | 5 | 10 - 200 | tamb -90 |
| PGB004 | 9200/1 | 3 | 10 - 200 | tamb -100 |
| PGB003 | 9200 | 3 | 10 - 200 | tamb -100 |
| PGB002 | 503 | 3 | 10 - 90 | tamb -10 |
| PGB001 | 500 | 3 | 10 - 90 | tamb -100 |

*for flasks: 1000, 2000 and 3000 ml, **Warranty 1 year.**

for flasks: 100, 250, 500, 1000, 2000, 3000 and 5000 ml, **Warranty 1 year.

Homogenizer

X-1000 series / CY-500

Dispersor, ultrasonic

| Reference | Model | Ø x stem length(mm) | Volume (ml) | Speed (rpm) | Power (W) |
|-----------|--|---------------------|-------------|--------------|-----------|
| S5059623* | X-1000 10V | 10 x 205 | 1 - 250 | 4000 - 33000 | 1050 |
| S5059627* | X-1000 20F | 20 x 265 | 10 - 2000 | 4000 - 33000 | 1050 |
| S5059630* | X-1000 30N | 30 x 255 | 30 - 5000 | 4000 - 33000 | 1050 |
| S5059600 | CY-500 / ultrasonic, frequency 20 khz, 22x19x33 cm | | | | 500 |

*utensils according particle size



Solid Mixers VS-5 and VS-8

Capacity from 5 to 50 KG. For pharmaceutical, chemistry and alimentary industry. For powder, granulated and small concentrated batches that are sent to the production plant after being investigated in laboratory. It has two loading entrances in V and an unloading hole which is protected with isolated covers with silicon gaskets. Engine group with shaking device at a constant speed of 18 rpm. **Warranty 1 year.**

| Reference | model | Capacity (L) | Speed (rpm) | H. x L. x D. (cm) | Power (W) |
|-----------|--------|--------------|-------------|-------------------|-----------|
| S5810100 | VS - 5 | 5L | 18 | 58x72x37 | 550 |
| S5810101 | VS - 8 | 8L | 18 | 64x81x37 | 550 |



TR-15

For crashing and shearing Industrial design. For a wide range of grinding, solid, fragile, soft and semi-hard products. For pharmaceutical, chemistry and alimentary industry in general. Made of stainless steel AISI 304. Device for different kind of easily changeable sieves. From 0,12 mm Ø to 0,80 mm Ø. It is supplied with a sieve of 0,18 mm Ø. Only suitable for grinding samples with relative humidity below 20%. **Warranty 1 year.**

| Reference | Capacity (L) | RPM | H. x L. x D. (cm) | Power (W) |
|-----------|--------------|------|-------------------|-----------|
| S5810000 | 10 - 30 Kg/h | 4200 | 70x40x80 | 2200 |



Ductless fume hood

Cruma series

The ductless filtration fume hoods included in the Plug&Play range are ideal for eliminating contaminating gas and/or particles/aerosols from the work space simply and efficiently. Safe, efficient and cost-effective, these protect both the user and the environment. Already assembled on delivery (just unpack and plug in) and equipped with a new filtration system, to retain the contaminating gas and fumes generated on the inside thus constantly renewing the air inside the laboratory. **Warranty 7 years.**

| Reference | Feature | Model | Volume int. (m³) | Air treated (m³/h) | H. x L. x D. Internal (cm) | H. x L. x D. External (cm) |
|-------------|-----------|-------------|------------------|--------------------|----------------------------|----------------------------|
| CR670E-G/S | — | Cruma 670* | 0,181 | 155 | 63 x 57,5 x 56 | 93 x 60 x 60 |
| CR870E-G/S | — | Cruma 870* | 0,287 | 175 | 74 x 77,5 x 56 | 103 x 80 x 60 |
| CR990E-G/S | — | Cruma 990* | 0,361 | 175 | 74 x 97,5 x 56 | 103 x 100 x 60 |
| CR1010E-G/S | — | Cruma 1010* | 0,458 | 175 | 94 x 97,5 x 56 | 122,5 x 100 x 60 |
| CR1200E-G/S | — | Cruma 1200* | 0,892 | 175 | 77,5 x 117,5 x 76 | 110 x 120 x 80 |
| CRG1 | Plug&Play | Cruma G1 | 0,32 | 159 | 76,2 x 77,6 x 60 | 119,5 x 79,7 x 65 |
| CRG2 | Plug&Play | Cruma G2 | 0,40 | 159 | 76,2 x 97,6 x 60 | 119,5 x 99,7 x 65 |
| CRG3 | Plug&Play | Cruma G3 | 0,67 | 270 | 76,2 x 117,6 x 80 | 119,5 x 119,7 x 85 |
| CRG4 | Plug&Play | Cruma G4 | 0,89 | 385 | 76,2 x 157,6 x 80 | 119,5 x 159,7 x 85 |
| CRG5 | Plug&Play | Cruma G5 | 0,50 | 464 | 76,2 x 177,6 x 80 | 119,5 x 179,7 x 85 |

*activated carbon (HEPA H-14), average face Speed 0,50 m/s
Note: select the filter according to application



Heating mantles



Fibroman-C series

Dual heating power. With power heating switch selector. Two position isolated rocker switch heating control with power on indicator lamp. Alloy aluminium exterior case with epoxy coating. Suspended mineral wool woven heating mantle. Heating element homogeneously distributed throughout the woven mantle. Thermally insulated case, mineral wool fibre insulation. Nickel connectors. Retort stand clamp at the back of the unit. To prevent breakage or spills a drain hole is provided at the bottom of the mantle. Safety earth connection. Accessories, regulators and controllers available.

Warranty 1 year.

| Reference | Flasks Cap. (L) | Ø Flasks (cm) | Max Mantle Temp (°C) |
|-----------|-----------------|---------------|----------------------|
| S3003141 | 100 | 6,5 | 450 |
| S3003142 | 250 | 8,3 | 450 |
| S3003145 | 500 | 10,2 | 450 |
| S3031410 | 1000 | 13,2 | 450 |
| S3031420 | 2000 | 17 | 450 |
| S3031430 | 3000 | 19 | 450 |
| S3031450 | 5000 | 22,2 | 450 |
| S3314100 | 10000 | 29 | 450 |
| S3314200 | 20000 | 36.5 | 450 |



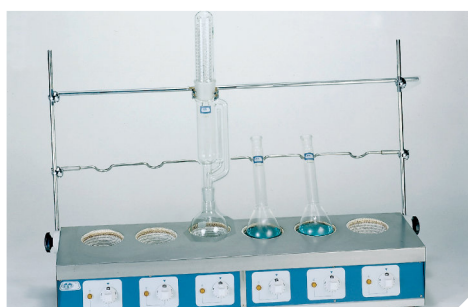
655 series

External structure in painted steel and inside thermal isolation with rock wool, with heating elements in nickelchrome. Supplied with rod, support and stirring magnet.

Maximum stirring speed: 1400rpm

Warranty 2 years.

| Reference | Flasks Cap. (L) | Ø Flasks (cm) | Depth (mm) | Max Mantle Temp (°C) |
|-----------|-----------------|---------------|------------|----------------------|
| AJGD001 | 50 | 5,5 | 40 | 370 |
| AJGD002 | 100 | 8,3 | 45 | 450 |
| AJGD003 | 250 | 13,2 | 55 | 450 |
| AJGD004 | 500 | 19 | 60 | 370 |
| AJGD005 | 1000 | 22,2 | 85 | 370 |
| AJGD006 | 2000 | 29 | 105 | 450 |
| AJGD007 | 3000 | 36,5 | 115 | 370 |
| AJGD008 | 5000 | 15 | 140 | 370 |



Digestion Kjeldahl/Soxhlet

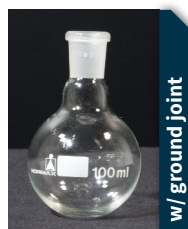
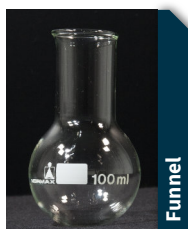
Banks for flasks, with analogic control. **Warranty 1 year.**

| Reference | Model | Capacity (L) | Size (mm) | feature | Power (W) |
|-----------|---------|--------------|------------------|------------------|-----------|
| S6003294 | 300-500 | 4 | 1,8 x 7,6 x 2,5 | Kjeldahl/Soxhlet | 1500 |
| S6003296 | 300-500 | 6 | 1,8 x 10,5 x 2,5 | Kjeldahl/Soxhlet | 2200 |
| S6014204 | 100 | 4 | 1,6 x 5,9 x 2,1 | micro-Kjeldahl | 510 |
| S6014206 | 100 | 6 | 1,6 x 8,1 x 2,1 | micro-Kjeldahl | 900 |

YOU MAY ALSO LIKE:

→ Round Bottom Flask
(ref. 2172124N)

→ Round Bottom Flask w/ standard ground joint
(ref. 46809)



Meters for temperature

Ph Meters

| Reference | Parameters | Scale | Resolution | Weight (Kg) |
|-----------|------------|-------------------------------------|------------|-------------|
| HI8424 | pH | -2 to 16 | 0,01 | 0,5 |
| HI2210-02 | pH | -2 to 16 | 0,01 | 0,5 |
| S4120300 | pH/mV | 0 to 14/±1400mV | 0,01/1 | 0,5 |
| S4120400 | pH/mV/T | 0 to 14/±1800mV/0 - 60°C | 0,01/1/0,1 | 0,5 |
| AKDD002 | pH/mV | 0 to 14 /0 to 1900 mV | 0,01/ | 1,5 |
| AKDD006 | pH/mV/T | 0 to 14 / -1999/1999 mV / 0 - 100°C | 0,01/1/0,1 | 1 |



SD series

Scroll-Through functionality. Compact and robust. Storage function. Robust housing and fully waterproof (IP67) casing. For testing in environmental, industrial or pool & spa applications.

With 25 sets of data storage. Applications: Boiler Water, Cooling Water, Drinking Water Treatment, Pool Water Control, Pool Water Treatment, Waste Water Treatment. Industry: Chemical, Food and Beverage, Marin, Municipalities, NGO, Oil and Gas, Pharmaceutical, Pool Public, Pool Services.

| Reference | Model | Capacity (L) | Speed (rpm) | Feature |
|-----------|-------|---------------|-------------|--|
| LB194800 | pH | 0 to 14 pH | 0,01 pH | waterproof portable pen (2 batteries Cr2032) |
| LB194801 | ORP | -1800~1800 mV | 0,1 mV | |
| LB194802 | Con | < 20,00 mS | 0,01 mS | |
| LB194803 | TDS | < 10,00 ppt | 0,01 ppt | |
| LB194804 | Salt | < 20,00 ppt | 0,01 ppt | |



SensoDirect 110

Can be used to measure pH, salt and conductivity. The protective armor does not guarantee a secure grip but also protection against falls. The stand attached to the back of the housing can also be used as a hanger or belt clip. "Hold" function included. Data gained is virtually "frozen" on the display by this function. Automatic battery check. High-quality, battery-operated handheld instrument for the determination of pH, salt and conductivity. Variable in use and user-friendly in operation. High measuring accuracy Light weight. Protective casing. Large digital display.

| Reference | Parameters | Scale | Resolution |
|-----------|------------|---|-----------------|
| LB721300 | pH110 | 0-14 pH/0,01 pH | 20,8 x 11 x 3,4 |
| LB722300 | Con110 | 0,001 - 1,999 mS/cm / 0,001 mS/cm 0 - 10 % / 0,01 % | 20,8 x 11 x 3,4 |
| LB723300 | Salt110 | 0,01 - 19,99 mS/cm / 0,01 mS/cm | 20,8 x 11 x 3,4 |



SensoDirect 150

Ph/Redox, Conductivity, Dissolved Oxygen, TDS, Temperature (°C/°F). Multi-parameter handheld instrument for the determination of dissolved oxygen (O₂), O₂ concentration, conductivity, TDS, pH and ORP. Applications: Boiler Water, Cooling Water, Drinking Water, Treatment Pool Water Control, Pool Water Treatment. Waste Water Treatment. All measured values can be conveniently read on the large LCD display. The combinations pH + Con + TDS + Oxi, pH + Con + TDS, pH + Oxi and pH + Redox are available.

| Reference | pH Value | Conductivity | TDS Range (ppm) | Oxygen Range | H. x L. x D. (cm) |
|-----------|----------|--------------------------------|-----------------|--------------|-------------------|
| LB724200 | 0-14 | 200 µS / 2 mS / 20 mS / 200 mS | 0-132000 | 0-20 mg/L | 22 x 12 x 4 |
| LB724210 | 0-14 | 200 µS / 2 mS / 20 mS / 200 mS | 0-132000 | — | 22 x 12 x 4 |
| LB724220 | 0-14 | 200 µS / 2 mS / 20 mS / 200 mS | NA | 0-20 mg/L | 22 x 12 x 4 |



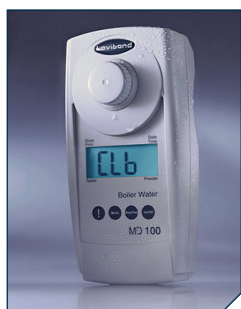


SensoDirect OXI 200

For the measurement of Dissolved Oxygen. The unit is IP67 watertight and it is supplied with a protective outer case and built-in electrode holder. The meter has a large screen allowing for accurate readings, a hold button to freeze the on-screen reading and an internal memory for storage and review of up to 20 data sets. Other features include: temperature display, battery life indicator, electrode condition indicator, meter hanging support and lanyard.

Warranty 2 years.

| Reference | Description | Scale (mg/L) | Resolution | H. x L. x D. (cm) |
|-----------|--------------------|--------------|------------|-------------------|
| LB723220 | oxygen/temperature | 0-70 | 0,1%/0,1°C | 17,5 x 14 x 4,5 |



Photometer

Multi-parameter instrument which allows fast and easy measurement of pool water quality. Easily test for Free, Total and Combined Chlorine with Powder Pack Reagents as well as pH with a liquid. Ideal for poolside testing, the MD 100 comes ready to use with all of the reagents and accessories required for testing. MD 100 series. IP 68 design of this instrument ensures that the MD 100 remains water tight for up to 1 hour at 0.1 meter. The optical system of the MD 100 utilizes LEDs and interference filters which quickly gives you results that you can be confident in. Supplied ready to use with up to 14 calibration curves. Display readings directly in ABS or %T units.

Warranty 2 years.

| Reference | Parameters | Accuracy photometric | Wavelength accuracy | H. x L. x D. (cm) |
|-----------|--|----------------------------|---------------------|-------------------|
| LB278030 | Cloro/pH | 3% Fs (T = 20-25°C) ± 1 µS | | 15,5 x 7,5 x 3,5 |
| LB2889402 | Cloro/pH | 3% Fs (T = 20-25°C) ± 1 µS | | 19 x 11 x 5,5 |
| LB214060 | Chlorine (free, combined, total), pH, Calcium hardness, Alkalinity-m | 2% Fs (T = 20-25°C) ± 1 µS | | 21 x 9,5 x 4,5 |
| LB194802 | Conductivid. | < 20000ms | — | — |



Primelab 1.0 Multitest photometer

PrimeLab 1.0 Multitest photometer can offer more than 130 different methods, such as turbidity, COD and even a quantitative and certified method for legionella.

Reference Description

WPRLP-BSK-001 Basic kit for self-configuration



Poolab 1.0 photometer

For measurement of the following parameters: pH [6.5 – 8.4], Chlorine (free/combined/total) [0.00 – 6.00 mg/l], Alkalinity (Acid Capacity) [0 – 300 mg/l], Cyanuric Acid (Stabilizer) [0 – 160 mg/l], Active Oxygen (MPS) [0.0 – 30.0 mg/l], Bromine [0.0 – 13.5 mg/l], Chlorine Dioxide [0.0 – 1.4 mg/l], Ozone [0.0 – 4.0 mg/l], Hydrogen Peroxide [0.0 – 2.9 mg/l], Hardness (total, calcium) [0 – 500 mg/l].

Reference Description

WPOLP-BAK-001 PoolLab 1.0 photometer. Basic Kit
 WPOLP-AVI-001 replacement vial
 WPOLP-ASR-001 spare part plastic stirring rod
 WPOLP-ALS-001 spare part rubber light shield
 WPOLP-ACC-001 spare part transparent plastic case
 WPOLP-RRF-001 initial reagent pack refill in a carton box with hanger hole to hang

Dipslides

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 Cl₂) 0.1 – 6.0 / Br₂ 0.22 – 13.2) and tablets RAPID (rapidly soluble) for 30 tests each

| Reference | Description | Pack unit |
|-----------|---|-----------|
| WBactD001 | TTC/TTC for Total Viable Count (TVC) in waters and surfaces | 1x10 |
| WBactD002 | Malt/TTC for Yeasts, Moulds, Fungi & TVC in waters and surfaces | 1x10 |
| WBactD003 | RBS/TTC for Yeasts, Moulds, Fungi & TVC for food and manufacturing industry | 1x10 |
| WBactD004 | MAC/TTC for Coliforms & TVC in process waters | 1x10 |
| WBactD005 | Chromogenic/TTC for E.coli, P.aeruginosa & TVC for enumeration of E.coli | 1x10 |
| WBactD006 | PDM/MAC for Pseudomonas species & Coliforms for potable water, pools & spas | 1x10 |
| WBactD007 | PDM/TTC for Pseudomonas species & TVC for Closed water systems & pools/spas | 1x10 |
| WBactD008 | SRB Tube test for Sulphate reducing bacteria in Closed water systems | 1x10 |
| WBactD009 | NRB Tube test for Nitrite reducing bacteria in Closed water systems | 1x10 |



Pooltester, quick and semiquantitative measurement kit

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 Cl₂) 0.1 – 6.0 / Br₂ 0.22 – 13.2) and tablets RAPID (rapidly soluble) for 30 tests each

| Reference | Description | Pack unit |
|---------------|--|-----------|
| WPOLT-T10-001 | PoolTester pH and DPD N°1 (free Cl ₂ / Br ₂) | 1 |
| WPOLT-R10-030 | refill pack phenol Red RAPID / DPD N°1 (free Cl ₂ / Br ₂) RAPID | 30 |



Primelab 1.0 Multitest photometer

PrimeLab 1.0 Multitest photometer allows you to individually introduce up to 130 parameters.

Here we show you our selection of the most commonly used 62 individual methods to add to the PrimeLab 1.0 Multitest photometer

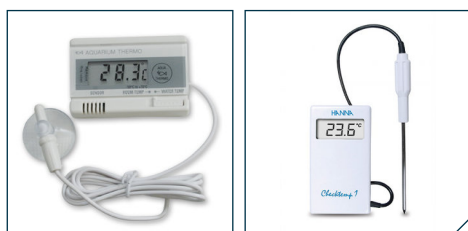
| Reference | Description | Pack Unit |
|---------------|--|-----------|
| WPRLM-001-001 | Method ID 01 / Active oxygen (0 - 40 mg/l) / 0.1 mg/l | 1 |
| WPRLM-002-001 | Method ID 02 / Ammonia (LR) (0 - 1 mg/l) / 0.01 mg/l | 1 |
| WPRLM-004-001 | Method ID 04 / Aluminium (0 - 0.3 mg/l) / 0.01 mg/l | 1 |
| WPRLM-005-001 | Method ID 05 / Alkalinity-M (5 - 200 mg/l) / 1 mg/l | 1 |
| WPRLM-006-001 | Method ID 06 / Alkalinity-P (5 - 300 mg/l) / 1 mg/l | 1 |
| WPRLM-007-001 | Method ID 07 / Boron (0 - 2 mg/l) / 0.1 mg/l | 1 |
| WPRLM-008-001 | Method ID 08 / Bromine (0 - 18 mg/l) / 0.01 mg/l | 1 |
| WPRLM-010-001 | Method ID 10 / Chloride (0.5 - 25 mg/l) / 0.1 mg/l | 1 |
| WPRLM-011-001 | Method ID 11 / Chlorine (free-combined-total) (0.00 - 8.00 mg/l) / 0.1 mg/l | 1 |
| WPRLM-014-001 | Method ID 14 / Chlorine (HR) (5 - 200 mg/l) / 1 mg/l | 1 |
| WPRLM-016-001 | Method ID 16 / Chlorine dioxide (0 - 15 mg/l) / 0.01 mg/l | 1 |
| WPRLM-017-001 | Method ID 17 / COD (HR) (0 - 15000 mg/l) / 1 mg/l. Requires: PRLA-LVA-001 and CODB | 1 |
| WPRLM-018-001 | Method ID 18 / Copper (0 - 5 mg/l) / 0.01 mg/l | 1 |
| WPRLM-020-001 | Method ID 20 / Cyanuric acid (2 - 160 mg/l) / 1 mg/l | 1 |
| WPRLM-021-001 | Method ID 21 / DEHA (20 - 1000 mg/l) / 10 mg/l | 1 |
| WPRLM-023-001 | Method ID 23 / Hydrazine (5 - 600 µg/l) / 1 µg/l | 1 |
| WPRLM-024-001 | Method ID 24 / Hydrogen peroxide (LR) (0 - 3.8 mg/l) / 0.01 mg/l | 1 |
| WPRLM-025-001 | Method ID 25 / Hydrogen peroxide (HR) (0 - 200 mg/l) / 1 mg/l | 1 |
| WPRLM-027-001 | Method ID 27 / Iodine (0 - 28 mg/l) / 0.01 mg/l | 1 |
| WPRLM-028-001 | Method ID 28 / Iron (LR) (0 - 1 mg/l) / 0.01 mg/l. Requires: filter set 0.45µm | 1 |
| WPRLM-029-001 | Method ID 29 / Iron (MR) (0 - 10 mg/l) / 0.01 mg/l. Requires: filter set 0.45µm | 1 |
| WPRLM-030-001 | Method ID 30 / Iron (HR) (0 - 30 mg/l) / 0.01 mg/l. Requires: filter set 0.45µm | 1 |
| WPRLM-031-001 | Method ID 31 / Manganese (0.2 - 5 mg/l) / 0.1 mg/l | 1 |
| WPRLM-033-001 | Method ID 33 / Molybdate (HR) (5 - 200 mg/l) / 0.1 mg/l | 1 |
| WPRLM-034-001 | Method ID 34 / Nitrate (0.00 - 11.00 mg/l) / 0.1 mg/l | 1 |
| WPRLM-035-001 | Method ID 35 / Nitrite (LR) (0 - 0.5 mg/l) / 0.01 mg/l | 1 |
| WPRLM-037-001 | Method ID 37 / Ozone (0 - 5.4 mg/l) / 0.01 mg/l | 1 |
| WPRLM-038-001 | Method ID 38 / pH (MR) (6.50 - 8.40) / 0.01 | 1 |

More next page →

Primelab 1.0 Multitest photometer

| Reference | Description | Pack Unit |
|---------------|---|-----------|
| WPRLM-041-001 | Method ID 41 / pH-Universal (5 – 11) / 0.1 | 1 |
| WPRLM-042-001 | Method ID 42 / pH-Universal (4 – 11) / 0.1 | 1 |
| WPRLM-044-001 | Method ID 44 / Phosphate (LR) (0 - 4 mg/l) / 0.01 mg/l | 1 |
| WPRLM-046-001 | Method ID 46 / Phosphate (HR) (0 - 80 mg/l) / 0.1 mg/l | 1 |
| WPRLM-048-001 | Method ID 48 / Potassium (0.7 - 12 mg/l) / 0.1 mg/l | 1 |
| WPRLM-049-001 | Method ID 49 / Silica (LR) (0 - 5 mg/l) / 0.01 mg/l | 1 |
| WPRLM-050-001 | Method ID 50 / Silica (HR) (0 - 100 mg/l) / 1 mg/l | 1 |
| WPRLM-051-001 | Method ID 51 / Sodium Hypochlorite (0.2 - 40 %) / 0.1 %. Requires: PRLA-CUP-001 | 1 |
| WPRLM-052-001 | Method ID 52 / Sulfide (0.04 - 0.5 mg/l) / 0.01 mg/l | 1 |
| WPRLM-053-001 | Method ID 53 / Sulfite (LR) (0 - 10 mg/l) / 0.1 mg/l | 1 |
| WPRLM-054-001 | Method ID 54 / Sulfate (5 - 100 mg/l) / 1 mg/l | 1 |
| WPRLM-PTH-001 | Method ID 56/57 / Hardness total (LR/HR) (2 (20) – 50 (500) mg/l) / 1 mg/l | 1 |
| WPRLM-059-001 | Method ID 59 / Turbidity-FTU (20 - 1000 mg/l (FAU)) / 1 mg/l | 1 |
| WPRLM-062-001 | Method ID 62 / Zinc (0 - 1 mg/l) / 0.01 mg/l | 1 |
| WPRLM-072-001 | Method ID 72 / Fluoride (0 - 2 mg/l) / 0.01 mg/l | 1 |
| WPRLM-078-001 | Method ID 78 / Hardness Calcium (0 - 500 mg/l) / 1 mg/l | 1 |
| WPRLM-079-001 | Method ID 79 / COD (LR) (0 - 150 mg/l) / 1 mg/l. Requires: PRLA-LVA-001 and CODB | 1 |
| WPRLM-080-001 | Method ID 80 / COD (MR) (0 - 1500 mg/l) / 1 mg/l. Requires: PRLA-LVA-001 and CODB | 1 |
| WPRLM-081-001 | Method ID 81 / Suspended solids (0 - 750 mg/l) / 1 mg/l | 1 |
| WPRLM-082-001 | Method ID 82 / DBNPA (0 – 13 mg/l) / 0.01 mg/l | 1 |
| WPRLM-083-001 | Method ID 83 / QAC (Quaternary Ammonium Compounds) (25 - 150 mg/l) / 1 mg/l | 1 |
| WPRLM-087-001 | Method ID 87 / Phosphonate (0 - 20 mg/l) / 0.01 mg/l | 1 |
| WPRLM-090-001 | Method Nickel (HR) (0 - 7 mg/l) / 0.1 mg/l | 1 |
| WPRLM-091-001 | Method ID 91 / Tannic acid (0 - 150 mg/l) / 0.1 mg/l | 1 |
| WPRLM-093-001 | Method ID 93 / Magnesium (0 - 100 mg/l) / 1 mg/l | 1 |
| WPRLM-094-001 | Method ID 94 / Chromium VI (0 - 2.2 mg/l) / 0.01 mg/l | 1 |
| WPRLM-096-001 | Method ID 96 / Molybdate (LR) (0 - 15 mg/l) / 0.01 mg/l | 1 |
| WPRLM-097-001 | Method ID 97 / Nitrite (HR) (0 - 1500 mg/l) / 1 mg/l | 1 |
| WPRLM-105-001 | Method ID 105 / Sulfite (HR) (0 - 300 mg/l) / 0.1 mg/l | 1 |
| WPRLM-107-001 | Method ID 107 / Colour (15 - 500 mg/l) / 1 mg/l. Requires: filter set 0.45µm | 1 |
| WPRLM-112-001 | Method ID 112 / Turbidity-NTU (0 - 1100 mg/l (NTU)) / 0.01 mg/l. Requires: PRLT-TRB-001 | 1 |
| WPRLM-124-001 | Method ID 124 / Chloride (0 - 100 mg/l) / 0.1 mg/l | 1 |
| WPRLM-147-001 | Method ID 147 / Legionella (60-1000000 cfu/l) / 1 cfu/l. Requires: PRL | 1 |
| WPRLM-151-001 | Method ID 151 / Nitrogen Total (LR) (0.5 - 25 mg/l) / 0.1 mg/l | 1 |
| WPRLM-152-001 | Method ID 152 / Nitrogen total (HR) (5 - 150 mg/l) / 1 mg/l | 1 |
| WPRLM-155-001 | Method ID 155 / Ammonia (HR) (1 - 50 mg/l) / 0.1 mg/l. Requires: PRLA-LVA-001 | 1 |

Thermo-hygrometers



Thermometer

For internal and external temperature. Ambient and water temperature

| Reference | Range (°C) | Division (°C) | Battery | Probe | Feature |
|-----------|------------|---------------|----------------|-------|---------------------------|
| AKJP002 | 50/70 | 0,1 | 1 x1.5 V, AAA | yes | digital for refrigerators |
| AKJM009 | 50/70 | 0,1 | 1 x1.5 V, AAA | yes | digital |
| AKJR005 | 50/70 | 0,1 | 1 x1.5 V, LR44 | yes | aquarium digital |
| AKJR001 | 50/70 | 0,1 | 1 x1.5 V, AAA | yes | Aquarium digital |
| Hi98509* | 50/70 | 0,1 | 1 x1.5 V, AAA | yes | pocket checktemp |
| HI147-00 | 50/70 | 0,1 | 1 x1.5 V, AA | yes | pocket check-fridge |
| HI143** | 30/70 | 0,1 | 1xCR2032 3V | no | temperature recorder |

Thermo-hygrometer

Ideal for routine measurements, monitoring 'round the clock', all quality control needs

| Reference | Model | Resolution | Feature |
|--------------|-------------|------------|--------------------------------|
| AKJM002 | 50-70/10-99 | 0,1/1 | Outdoor |
| AKJM013 | 50-70/5-95 | 0,1/1 | room, outdoor and clock |
| ER3510205520 | 40-70/0-100 | 0,1/0,1 | home, workplace and in storage |
| HI93640 | 0-60/5-95 | 0,1/0,1 | room and outdoor |
| HI9564 | 0-60/20-95 | 0,1/0,1 | room and outdoor |



Thermometer Digital

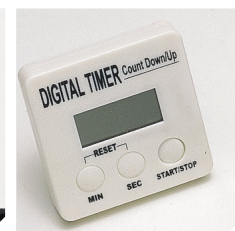
| Reference | Range (°C) | Precision (°C) | Feature |
|-----------|------------------|----------------|------------------------------|
| AKJJ004 | -10/200 | 0.1 | 110 mm, fix |
| AKJJ002 | 0/200 | 1 | 170 mm, 1 meter-long cable |
| AKJJ001 | | | 50-300mm, 1 meter long cable |
| S5903029 | -50/300 - 58/527 | 1 | 3,5 x 120 |



Stopwatch Diamond

Snooze function (once pressed the alarm goes off every 5min until shutdown)

| Reference | Model | Feature |
|-----------|---------------|--|
| S5900501 | Stopwatch | div. 1/100 seconds, max.timer: 23 hr 59 min 59 sec., date incorporated |
| AKKB005 | Stopwatch | |
| S5900499 | Relavis | Time setting from 0 to 60 minutes in 1 minute intervals |
| S5900500 | Count Down-up | Portable: table top with magnetic holder or clip |



Immersion thermostat Termotronic II

Electronic temperature control. Pt100 temperature sensor. Maximum volume to maintain maximum temperate: 20 litres. Heater elements made of INCOLOy stainless steel.

Fitted with a stirring circulating pump. All parts in contact with liquids made of stainless steel AISI 304. Fixing nut on the side

| Reference | Model | Max.Temp. (°C) | Stability (°C) | H. x L. x D. (cm) | Power (W) |
|-----------|----------------|----------------|----------------|-------------------|-----------|
| S3000389 | Termotronic II | 100 | ± 0,2 | 32 x 11 x 16 | 1000 |



TH/TC series

Pump for homogenization (6L/min) (max. pressure 200mbar). Double safety thermostat: cut out indicator lamp. Safety automatic disconnection with acoustic alarm that prevents overheating from the programmed temperature (+2,5°C). Automatic restart after unexpected shut down keeping the same parameters as before the incident. An incident sign appears on the display. Memory of the last settings. Attachable to the tank through a clamp and finger screw. Minimum high of the tank: 14cm

| Reference | Model | Max.Temp. (°C) | Stability (°C) | H. x L. x D. (cm) | Power (W) |
|-------------|--------|----------------|----------------|-------------------|-----------|
| O1000001137 | TH100E | 100 | ± 0,1 | 30 x 19 x 16 | 1600 |
| O1000001100 | TH200E | 200 | ± 0,1 | 30 x 19 x 16 | 2000 |
| O1000001129 | TC00E | 100 | ± 0,1 | 44 x 22 x 57 | 1600 |





Digiterm series

Pump for homogenization (6L/min) (max. pressure 200mbar). Double safety thermostat: cut out indicator lamp. Safety automatic disconnection with acoustic alarm that prevents overheating from the programmed temperature (+2,5°C). Automatic restart after unexpected shut down keeping the same parameters as before the incident. An incident sign appears on the display. Attachable to the tank through a clamp and finger screw.

Warranty 1 year.

| Reference | Model | Max.Temp. (°C) | Stability (°C) | H. x L. x D. (cm) | Power (W) |
|-----------|------------------|-------------------|-------------------------------|----------------------|--------------|
| S300543 | Digiterm S-150 | 150 | ± 0,05 | 28 x 18 x 19 | 1060 |
| S300544 | Digiterm TFT-200 | 200 | (100°C) ± 0,05, (200°C) ± 0,1 | 28 x 18 x 19 | 2060 |

Turbidity meters



TB 210 IR

The scattered light is measured at an angle of 90°. EN ISO 7027. The wide measuring range from 0.01-1100 TE/F = NTU = FNU makes the instrument suitable for various applications, ranging from drinking water to waste water. The standards required for calibration of the unit are also supplied. A second adjustment mode allows alternative adjustment with user-defined turbidity standards. Range 0.01 - 1100 NTU

| Reference | Model | Scale (NTU) | Resolution (NTU) | Accuracy (NTU) | H. x L. x D. (cm) |
|-----------|-----------------------------|----------------|---|--|----------------------|
| LB266020 | TurbiCheck with infrared | 0,01-1100 | 0,01-9,99=0.01 10-99,9=0,1 100-1100=1 | ±2,5% ±0,01 (0-500) ±5% (500-1100) | 19 x 11 x 5,5 |



TB 250 WL

A power efficient micro-circuit design allows the instrument to yield 5000 tests on 4-AA alkaline batteries. The instrument comes with the required items for testing, including the TB 250 WL Turbidimeter, sample cuvettes, batteries, calibration set, operators manual and carrying case. Ideal for regulatory monitoring, easy calibration, auto-ranging.

| Reference | Model | Scale (NTU) | Resolution (NTU) | Accuracy (NTU) | H. x L. x D. (cm) |
|-----------|--------------------------------------|----------------|--|---|----------------------|
| LB194200 | Turbicheck WL with white light | 0,01-1100 | 0,01-99,9=0,01 100-999,9=0,1 1000-1100=1 | ± 2,5% ± 0,01 (0-500) ± 5% (500-1100) | 21 x 9,5 x 4,5 |



TB 250

The infrared light-source permits measurement of coloured and colour-free samples. The automatic measurement range detection facility (Autorange) enables direct turbidity measurement from 0.01 to 1100 NTU with an accuracy of ± 2 % up to 500 NTU and ± 5 % thereafter. A large graphic display, a choice of several different languages and user-friendly operating instructions make the device extremely easy to use.

| Reference | Feature | Scale (NTU) | Resolution (NTU) | Accuracy (NTU) | H. x L. x D. (cm) |
|-----------|------------------------------|----------------|---|-----------------------------------|----------------------|
| LB194000 | Turbidirect with infrared | 0,01-1100 | 0,01x9,99=0,01 10-99,9=0,1 100-1100=1 | ± 2% of 0-500 ± 5% of 500-1100 | 26,5 x 19,5 x 7 |



Kit HI-93703C

This microprocessor based turbidity meter delivers laboratory grade accuracy for field or factory use. Supplied with a complete calibration and maintenance kit in a case. Water resistant, easy to hold and with a simple three-point calibration process, it is ideal for water testing.

| Reference | Scale (NTU) | Resolution (NTU) | Accuracy (NTU) | H. x L. x D. (cm) |
|-----------|----------------|------------------------|-------------------|----------------------|
| HI93703C | 0-1000 | 0-50=0,01 50-1000=1 | ± 0,5 | 22x8,2x6,6 |

Hotplates

Digital Hotplate MCH series

Temperature controlled by microprocessor, by means of an integrated PT100 sensor. Indicator on the display of high temperature on the plate, that provides protection against burns. Membrane push-button control. Automatic restart after unexpected shut down keeping the same parameters as before the incident. Stainless steel plate AISI 304. Further accessories are available.

| Reference | model | Temp. (°C) | Resolution (°C) | Timer (min) | Plate size (mm) |
|-------------|-----------|------------|-----------------|-------------|-----------------|
| O1000001073 | MCH400-RE | 20-400 | 0,5 | 0-120 | 200 x 400 |
| O1000001042 | MCH400-SE | 20-400 | 0,5 | 0-120 | 320 x 320 |
| O1000000096 | MCH300E | 20-300 | 0,5 | 0-120 | Ø 154 |



Plactronic series

Adjustable temperature from ambient +5 up to 200 °C. Stability ± 0.5 °C. Digital electronic digital temperature and time control display. Suitable for thermal tests not suitable for boiling tests. Aluminium alloy hotplate's coated with P.T.F.E. for protection against chemicals. Temperature probe Pt 100.

| Reference | Temp. (°C) | Resolution (°C) | Timer (min) | Plate size (mm) |
|-----------|------------|-----------------|-------------|-----------------|
| S6155100 | 20 - 200 | 1 | 1-999 | 240 x 240 |
| S6156100 | 100 - 400 | 1 | 1-999 | 200 x 400 |
| S6157100 | 20 - 200 | 1 | 1-999 | 250 x 600 |



Analogue Hotplate

With 6 place heating power controller. Cast steel plate with embedded heating elements throughout the plate surface. Fast heating rate at maximum power setting. Enamelled outer casing that is resistant to high temperatures and corrosive agents.

| Reference | Temp. (°C) | Division | Plate size (mm) |
|-----------|------------|----------|-----------------|
| S1000718 | 0 - 400 | 6 levels | Ø 120 |
| S1000442 | 0 - 400 | 6 levels | Ø 150 |
| S1000443 | 0 - 400 | 6 levels | Ø 190 |



Combiplac series

Electronic energy temperature control. The non warping steel hotplate has heating elements embedded throughout the hotplate surface maintaining the heat distribution. The main case is made of AISI 304 stainless steel. Connector at the back for the external digital thermometer, "Sensoterm" or "Electemp-TFT".

| Reference | Temp. (°C) | Division | Plate size (mm) |
|-----------|------------|----------|-----------------|
| S3002301 | 0 - 400 | 5 levels | Ø 120 |
| S3002302 | 0 - 400 | 5 levels | Ø 190 |



Digital hotplate multiplace MH series

Multiplace controlled by microprocessor. Module consisting of 3 heating units in a single platform, with a single electrical connection. Each place works independently. Temperature adjustable controlled by microprocessor, "ARA V2" fuzzy logic algorithm for high precision control of the temperature. Automatic restart after unexpected shut down keeping the same parameters as before the incident. Removable plate, to replace itself in case of deterioration.

| Reference | Model | Capacity (L) | Temp. Range (°C) | Resolution (°C) | Plate size (cm) | Power (W) |
|-------------|-------|--------------|------------------|-----------------|-----------------|-----------|
| O1000001047 | MH30E | 3 | 20 - 300 | 0,5 | Ø 154 | 170 |
| O1000001043 | MH50E | 5 | 30 - 400 | 10 | 100 x 100 | 180 |
| O1000001044 | MH90E | 9 | 30 - 400 | 10 | 100 x 100 | 360 |



Microscopes

B-150 series

The B-150 series has been designed to fulfill all requirements of educational laboratories. Obtain clear images at three (40x, 100x and 400x) or four (40x, 100x, 400x and 600x or 1000x) magnifications with 18mm field number. All in a compact and easy to carry size. The entire series is equipped with 1W LED illumination for bright and uniform light. If a cordless microscope is needed, the R Models are your choice as they come with a rechargeable battery.

Warranty 3 years.

| Reference | Model Ocular tube | Inclination Rotation | Nosepiece, Eyepieces | Objective | Condenser | Stage | Lamp |
|--------------|--------------------------|--------------------------------|-------------------------|--|--|---|---|
| OB-151* | B-151, Monocular | 30° inclined, 360° rotating | Quadruple, WF 10x/18 | HC (high contrast) 4x, 10x, 40x | N.A. 0.65, iris diaphragm, fixed | Fixed, 130x120 mm, with sample clips | 1 W X-LED1 , manual brightness control |
| OB-153* | B-153, Monocular | 30° inclined, 360° rotating | Quadruple, WF 10x/18 | HC (high contrast) 4x, 10x, 40x, 60x | N.A. 1.2, iris diaphragm, focusable | Double layer, 125x116 mm, moving range 76x30 mm | 1 W X-LED1 , manual brightness control |
| OB-155* | B-155, Monocular | 30° inclined, 360° rotating | Quadruple, WF 10x/18 | HC (high contrast) 4x, 10x, 40x, 100x | N.A. 1.2, iris diaphragm, focusable | Double layer, 125x116 mm, moving range 76x30 mm | 1 W X-LED1 , manual brightness control |
| OB-157* | B-157, Binocular | 30° inclined, 360° rotating | Quadruple, WF 10x/18 | HC (high contrast) 4x, 10x, 40x, 60x | N.A. 1.2, iris diaphragm, focusable | Double layer, 125x116 mm, moving range 76x30 mm | 1 W X-LED1 , manual brightness control |
| OB-159* | B-159, Binocular | 30° inclined, 360° rotating | Quadruple, WF 10x/18 | HC (high contrast) 4x, 10x, 40x, 100x | N.A. 1.2, iris diaphragm, focusable | Double layer, 125x116 mm, moving range 76x30 mm | 1 W X-LED1 , manual brightness control |
| OB-150POL-M* | B-150POL-M, Monocular | 30° inclined, 360° rotating | Quadruple, WF 10x/18 | HC (high contrast) 4x, 10x, 40x | N.A. 1.2, iris diaphragm, fixed | Round, 360° rotating, 120 mm diameter, with sample clips | 1 W X-LED1 , manual brightness control |
| OB-150POL-B* | B-150POL-B, Binocular | 30° inclined, 360° rotating | Quadruple, WF 10x/18 | HC (high contrast) 4x, 10x, 40x | N.A. 1.2, iris diaphragm, fixed | Round, 360° rotating, 120 mm diameter, with sample clips | 1 W X-LED1 , manual brightness control |
| OB-150DM** | B-150DM, Monocular | 30° inclined, 360° rotating | Quadruple, WF 10x/18 | HC (high contrast) 4x, 10x, 40x | N.A. 1.2, iris diaphragm, focusable | Double layer, 125x116 mm, moving range 76x30 mm | 1 W X-LED1 , manual brightness control |
| OB-150DB** | B-150DB, Monocular | 30° inclined, 360° rotating | Quadruple, WF 10x/18 | HC (high contrast) 4x, 10x, 40x, 100x | N.A. 1.2, iris diaphragm, focusable | Double layer, 125x116 mm, moving range 76x30 mm | 1 W X-LED1 , manual brightness control |

*Other models with Automatic Light Control (ALC) and Internal rechargeable battery (R).

**Other models with Internal rechargeable battery (R).

OB-155



OB-150POL-M



OB-159



OB-150DB



OB-150DB



YOU MAY ALSO LIKE:

→ **Microscope slides 76x26 mm**
(Ref. 5470117C)
(Ref. 5470207C)
(Ref. 5470307C)



B-190 series

The original design of B-190 series is based on robustness, yet keeping the extreme portability of the instrument, with a dedicated handle on the back. The built-in LED illuminator and the patented version with Windows tablet improve the reliability of one of the best-sellers of OPTIKA in the educational field.

Warranty 3 years.

| Reference | Model Ocular tube | Inclination Rotation | Nosepiece, Eyepieces | Objective | Condenser | Stage | Lamp |
|-----------|----------------------|--------------------------------|--|-------------------------------------|---|--|--|
| OB-191 | B-191, Monocular | 30° inclined, 360° rotating | Quadruple reversed, Wide Field, 10x/18mm | HC Achromatic 4x, 10x, 40x, 100x | N.A. 1.25 Abbe type with adjustable height and iris diaphragm | Double layer, 125x115 mm with 70x30mm X-Y moving range | 3 W X-LED2 system with adjustable intensity |
| OB-192 | B-192, Binocular | 30° inclined, 360° rotating | Quadruple reversed, Wide Field, 10x/18mm | HC Achromatic 4x, 10x, 40x, 100x | N.A. 1.25 Abbe type with adjustable height and iris diaphragm | Double layer, 125x115 mm with 70x30mm X-Y moving range | 3 W X-LED2 system with adjustable intensity |
| OB-193 | B-193, Trinocular | 30° inclined, 360° rotating | Quadruple reversed, Wide Field, 10x/18mm | HC Achromatic 4x, 10x, 40x, 100x | N.A. 1.25 Abbe type with adjustable height and iris diaphragm | Double layer, 125x115 mm with 70x30mm X-Y moving range | 3 W X-LED2 system with adjustable intensity |

OB-191



OB-192



OB-193



HBC Series

Microscope of modular system, which permits users to configure the equipment according to their own needs.

Their stative, strong and ergonomic, is provided with coaxial coarse and fine focusing knobs with friction control ring and a device for quick focusing. The head is available as monocular, binocular or trinocular version, being the latter for connection of photographic or video cameras. **Warranty 2 years.**

| Reference | Model Ocular tube | Inclination Rotation | Nosepiece, Eyepieces | Objective | Condenser | Stage |
|-----------|----------------------|-------------------------|-----------------------------|-----------|--------------------|--------------------|
| AHBC005 | 1280 Trinocular | 45°/360 | 4x / 10x / 20x / 40x / 100x | 53 - 72 | quadruple | halogen*6 V, 200 W |
| AHBC001 | 106 Monocular | 45°/360 | 4x / 10x / 40x / 100x | 53 - 72 | quadruple | LED |
| AHBC013 | 158 Trinocular | 45°/360 | 4x / 10x / 20x / 40x / 100x | 55 - 75 | five fold inverted | halogen*12 V, 50 W |
| AHBC003 | 117 Trinocular | 45°/360 | 4x / 10x / 100x / 40x | 53 - 72 | quadruple | LED*12 V, 50 W |
| AHBC008 | 122/107 | 45°/360 | 4x / 10x / 40x / 100x | 55 - 75 | quadruple | Halogen |
| AHBC009 | 122/108 | 45°/360 | 4x / 10x / 40x / 100x | 55 - 75 | quadruple | LED |
| AHBC010 | 122/147 | 45°/360 | 4x / 10x / 40x / 100x | 55 - 75 | quadruple | LED |
| AHBC011 | 122/148 | 45°/360 | 4x / 10x / 40x / 100x | 55 - 75 | quadruple | LED |
| AHBC014 | 158/8 | 40°/360 | 4x / 10x / 20x / 40x / 100x | 55 - 75 | quintuple inverted | Halogen |

1280



127



106



116



117





Serie 3000

Excellent resolution planachromatic optics. High specification optical microscopes. Maximum versatility with a wide range of configurations, phase contrast, brightfield and dark field optics. Ideal for a wide range of applications.

Warranty 1 year.

| Reference | Model Ocular tube | Inclination Rotation | Nosepiece, Eyepieces | Objective | Condenser | Stage |
|-----------|----------------------|-------------------------|-----------------------|-----------|-----------|--------|
| S5901981 | 3000-A LED Binocular | 30° / 360° | 4x / 10x / 100x / 40x | 52 - 72 | quadruple | LED 3W |
| S5901982 | 3000-B LED Binocular | 30° / 360° | 4x / 10x / 100x / 40x | 55 - 75 | quadruple | LED 3W |
| S5901983 | 3000-C LED Binocular | 30° / 360° | 4x / 25x / 100x / 40x | 55 - 75 | quadruple | LED 3W |



Serie 701

By design and quality optics, this microscope is recommended especially for long duration work. Ideally suited for biology, botany, archaeology, geology, teaching and electronics.

Warranty 1 year.

| Reference | Model Ocular tube | Inclination Rotation | Nosepiece, Eyepieces | Objective | Condenser | Stage |
|-----------|----------------------|-------------------------|-----------------------|-----------|-----------|--------|
| S5313111 | 701 LED Binocular | 45° / 360° | 4x / 10x / 100x / 40x | 52 - 72 | quadruple | LED 3W |



Special application

3002-F: Excellent resolution. Polyvalent, can work in epifluorescent or transmitted light mode. With trinocular adapter for camera and video camera. Phase contrast and dark field modes as accessories.

206 LED: Wide range of applications, includes bright-field, dark-field, polarization and phasecontrast. Ideal for universities, clinics, biology, bacteriology, agriculture and industry.

Warranty 1 year.

| Reference | Model Ocular tube | Inclination Rotation | Nosepiece, Eyepieces | Objective | Condenser | Stage |
|-----------|----------------------|-------------------------|-----------------------|-----------|-----------|-------------|
| S5901984 | 3002-F Trinocular | 30° / 360° | 4x / 10x / 40x / 100x | 50 - 75 | quadruple | Halogen 30W |
| S5313115 | 206 LED Binocular | 30° / 360° | 4x / 10x / 100x / 40x | 55 - 75 | quadruple | LED 3W |

Refrigerated cabinets



Medilow S, M, L & LG

With a stability of $\pm 1.5^{\circ}\text{C}$. Resolution 1°C . Capacity: 180, 236 and 544 litres. Over temperature safety thermostat installed. Applications: Determination of BOD at 20°C , Measurement of enzyme activity at 25°C . Storage and Preservation of samples, Incubation, Cosmetics, Botany, Food Products, etc.

Warranty 1 year.

| Reference | Model | Capacity (L) | Temp. Range ($^{\circ}\text{C}$) | H. x L. x D. (cm) | Shelves n° | Power (W) |
|-----------|------------|-----------------|---------------------------------------|----------------------|---------------|--------------|
| S2101270 | Medilow-S | 180 | +2 to 40°C | 73 x 52 x 40 | 3 | 250 |
| S2101271 | Medilow-M | 260 | +2 to 40°C | 104 x 51 x 44 | 4 | 330 |
| S2101272 | Medilow-L | 500 | +2 to 40°C | 134 x 65 x 54 | 5 | 330 |
| S2101273 | Medilow-LG | 500 | +2 to 40°C | 134 x 65 x 54 | 5 | 330 |



Pharmalow series

Applications: Products that require a constant below atmosphere temperature, preservation of pharmaceutical products, medications, microtubes, etc. External case and metallic door. White coated and interior made of anti-toxic white sheet. Double glazed door and interior light for model M. Hermetically sealed compressor. Homogeneous, turbine fan assisted air circulation.

Warranty 1 year.

| Reference | Model | Capacity (L) | Temp. Range ($^{\circ}\text{C}$) | H. x L. x D. (cm) | Shelves n° | Power (W) |
|-----------|-------------|-----------------|---------------------------------------|----------------------|---------------|--------------|
| S2101274 | Pharmalow S | 252 | 0 to 15°C | 105 x 51 x 44 | 4 | 170 |
| S2101275 | Pharmalow L | 352 | 0 to 15°C | 142 x 51 x 44 | 5 | 180 |
| S2101501 | Pharmalow M | 319 | 0 to 15°C | 139 x 48 x 45 | 6 | 360 |

Thermoreactors

RD 125

The RD125 Thermoreactor is a 24 position heating block for reacting Lovibond® Vario tube test vials before the measurement in a photometer. Capable of heating at 100, 120 and 150°C, and with variable time settings for 30, 60 and 120 minutes. It can be used for the following methods: COD, TOC, Total Chromium, Total Nitrogen, Total Phosphate. **Warranty 2 years.**

| Reference | Model | H. x L. x D. (cm) | Maximum quantity (mm) | Temp (°C) |
|------------|--------|----------------------|--------------------------|-------------|
| LB2418940* | RD 125 | 17 x 24,8 x 22 | 24 x tubes of Ø 16 | 100;120;150 |

*digestion of COD, TOC, chromium, nitrogen and phosphate



Eco-8/16

Electronic temperature control. Temperature regulation from ambient to 160 °C. Analysis time can be set from 1 to 199 minutes or continuous. COD analysis in only 30 minutes at 160 °C. Processes up to 14 x Ø 16 mm test tubes. Plus 2 x Ø 22 mm test tubes simultaneously

| Reference | Model | H. x L. x D. (cm) | Max. quantity (mm) | Temp (°C) |
|-----------|-----------------------|----------------------|-------------------------------------|--------------------|
| S5100127* | Eco-8 analogic system | 10 x 14 x 23 | 8x tubes of Ø16, + 1x tubes of Ø22 | 70;100;120;150;160 |
| S5100126* | Eco-16 digital system | 11 x 17 x 27 | 14x tubes of Ø16, + 2x tubes of Ø22 | 160 |

*by wet digestion, for the determination of metallic and non metallic elements on different organic and inorganic samples



Chemical Oxygen Demand (COD) Determination

Composed of a Hot block for 6, 12 or 20 samples, process programmer and lifting racks. Automatic temperature and time control during digestion. C.O.D. unit comprises of: 1 metallic hot block. 1 Processor for temperature and time. 1 x support rack for tubes. 1x support rack for condensers. C.O.D. tubes with an aperture of 29/32. Condensers for C.O.D. **Warranty 1 year.**

| Reference | Model | H. x L. x D. (cm) | Max quantity | Temp. Range (°C) | Shelves n° | Power (W) |
|-----------|--------|----------------------|--------------|------------------|------------|-----------|
| S4000638* | DQO-6 | 18 x 33 x 28 | 6 positions | 45 - 450 | 4 | 170 |
| S4000639* | DQO-12 | 18 x 39 x 33 | 12 positions | 45 - 450 | 5 | 180 |
| S4000640* | DQO-20 | 18 x 44 x 39 | 20 positions | 45 - 450 | 6 | 360 |

*C.O.D. Unit comprises of: 1 metallic hot block, 1 processor for temperature and time, 1 support rack for tubes, 1 support rack for condensers, C.O.D. Tubes with an aperture of 29/32, condensers for C.O.D.



Biological Oxygen Demand (BOD) analysis DBO series

Measurement on scales of 90, 250, 600 and 999 ppm BOD. Automatically stores 5 BOD values at 24-hour intervals. Enables analysis to continue over the weekend. Results directly readable at any time, even after five days. Direct readout in mg/l (ppm).

| Reference | Model | Feature | Agitation | Temp. (°C) |
|-----------|-----------------|---------------------|-----------|------------|
| S5100132 | DBO Sensor - 6 | 6 x bottles of 500 | yes | 20 |
| S5100133 | DBO Sensor - 10 | 10 x bottles of 500 | yes | 20 |

You also may like:

BOD bottle with interchangeable stopper (ref. 9060067)



Biological Oxygen Demand (BOD) analysis BD series

Measurements are automatically taken and stored at regular time intervals and can be recalled at your convenience. Easy and quick interpretation of measurement values. Consistent Measurement Conditions. Sample identification and tracking.

| Reference | Model | H. x L. x D. (cm) | Agitation | Temp. (°C) |
|-----------|--------|----------------------|-----------|------------|
| LB2444460 | BD 600 | 6 x bottles of 500 | yes | 20 |
| LB2444465 | BD 606 | 12 x bottles of 500 | yes | 20 |





05 LIQUID HANDLING

Gilson pipettes

- 172 . Pipetman® M
- 173 . Pipetman® L
- 174 . Pipetman® Classic
- 174 . Pipetman® G
- 174 . Microman® E
- 175 . Pipetman® Kits
- 176 . PIPETMAX®
- 176 . PLATEMASTER®
- 177 . Tips

Sartorius Pipettes

- 178 . Picus
- 179 . eLINE
- 179 . Tacta
- 180 . Tacta Multipack
- 183 . mLINE
- 183 . mLINE Multipack
- 182 . ProLINE Plus
- 183 . ProLINE Plus Multipack
- 184 . ProLINE
- 185 . Tips

Rainin Pipettes

- 187 . Rainin Pipet-Lite E4 XLS+
- 187 . Rainin Pipet-Lite XLS+
- 187 . Rainin Pos-D
- 187 . Tips for Rainin Pos-D

Capp Pipettes

- 188 . Bravo
- 188 . Ecopipette
- 189 . Aero96
- 190 . Tips
- 195 . Digital burette
- 195 . Dispenser
- 197 . Pipette controller
- 197 . Reagent Reservoir
- 198 . Safe-cone filters
- 199 . Universal tips

Gilson PIPETMAN® M

Guaranteed to perform with outstanding accuracy

**Electronic pipette single channel**

| Reference | Model | Volume range (µl) | Systematic error (µl) | Random error (µl) | Repetitive model volume | PIPETMAN Diamond Tips |
|-----------|--------|-------------------|--|--|-------------------------|------------------------------|
| GF81022 | P10M | 0,5-10µl | ± 0,040 ± 0,025 ± 0,060 ± 0,080 | ≤ 0,013 ≤ 0,012 ≤ 0,020 ≤ 0,025 | 0,5-10µl | D10/DF10 DL10/DFL10 |
| GF81023 | P20M | 2-20µl | ± 0,075 ± 0,100 ± 0,150 | ≤ 0,025 ≤ 0,035 ≤ 0,050 | 2-20µl | D200/DF30 |
| GF81013 | P100M | 5-100µl | ± 0,35 ± 0,30 ± 0,38 ± 0,40 | ≤ 0,10 ≤ 0,10 ≤ 0,12 ≤ 0,15 | 5-100µl | D200/D100 |
| GF81024 | P200M | 20-200µl | ± 0,40 ± 0,80 ± 1,00 | ≤ 0,15 ≤ 0,22 ≤ 0,26 | 5-200µl | D200/DF200 D300/DF300 |
| GF81014 | P300M | 20-300µl | ± 0,80 ± 0,70 ± 0,90 ± 1,05 | ≤ 0,16 ≤ 0,20 ≤ 0,23 ≤ 0,30 | 10-300µl | D200/DF200 D300/DF300 |
| GF81015 | P1200M | 100-1200µl | ± 2,5 ± 2,4 ± 3,6 ± 6,0 | ≤ 0,4 ≤ 0,4 ≤ 0,8 ≤ 1,2 | 20-1200µl | D1000/DF1000 D1200/DF1200 |
| GF81016 | P5000M | 500-5000µl | ± 10 ± 15 ± 25 | ≤ 2 ≤ 4 ≤ 7 | 100-5000µl | D5000 |
| GF81017 | P10mLM | 1-10mL | ± 25 ± 30 ± 50 | ≤ 4 ≤ 8 ≤ 12 | 200µl-10mL | D10mL |

**Electronic pipette multichannel**

| Reference | Model | Volume (µl) | Systematic error (µl) | Random error (µl) | Repetitive model volume | Tips |
|--------------------|-----------------------|-------------|--------------------------------------|---------------------------------------|-------------------------|--------------------------------|
| GF81025 GF81026 | P8x10M P12x10M | 0,5-10µl | ± 0,05 ± 0,04 ± 0,08 ± 0,10 | ≤ 0,02 ≤ 0,02 ≤ 0,04 ≤ 0,06 | 0,5-10µl | D10/DF10 DL10/DFL10 |
| GF81027 GF81028 | P8X20M P12X20M | 1-20µl | ± 0,08 ± 0,09 ± 0,15 ± 0,25 | ≤ 0,05 ≤ 0,06 ≤ 0,10 ≤ 0,12 | 1-20µl | DL10/DFL10 D200/DF30 |
| GF81018 GF81019 | P8X100M P12X100M | 10-100µl | ± 0,25 ± 0,50 ± 0,80 | ≤ 0,14 ≤ 0,30 ≤ 0,25 | 5-100µl | D200/DF100 |
| GF81029 GF81030 | P8X200M P12X200M | 20-200µl | ± 0,50 ± 1,00 ± 2,00 | ≤ 0,16 ≤ 0,30 ≤ 0,50 | 5-200µl | D200/DF100/DF100 D300/DF300 |
| GF81031 GF81032 | P8X300M P12X300M | 10-300µl | ± 1,00 ± 1,00 ± 1,50 ± 2,40 | ≤ 0,18 ≤ 0,18 ≤ 0,375 ≤ 0,45 | 10-300µl | D200/DF200 D300/DF300 |
| GF81020 GF81021 | P8X1200M P12X1200M | 50-1200µl | ± 7,0 ± 4,0 ± 6,0 ± 9,6 | ≤ 0,7 ≤ 0,7 ≤ 1,5 ≤ 1,8 | 50-1200µl | D1200/DF1200 |

Gilson PIPETMAN® L

Increase productivity without sacrificing comfort

Mechanical pipette single channel

| Stainless steel ejector | Plastic ejector | Volume range (µl) | Gilson | | ISO 8655 | | PIPETMAN Diamond Tips |
|-------------------------|-----------------|-------------------|-----------------------|-------------------|-----------------------|-------------------|------------------------------|
| | | | Systematic error (µl) | Random error (µl) | Systematic error (µl) | Random error (µl) | |
| GFA10001M | GFA10001P | 0,2 | ± 0,024 | ≤ 0,012 | ± 0,08 | ≤ 0,04 | D10/DF10 D1L10/DFL10 |
| | | 0,5 | ± 0,025 | ≤ 0,012 | ± 0,08 | ≤ 0,04 | |
| | | 1 | ± 0,027 | ≤ 0,013 | ± 0,08 | ≤ 0,04 | |
| | | 2 | ± 0,030 | ≤ 0,014 | ± 0,08 | ≤ 0,04 | |
| GFA10002M | GFA10002P | 1 | ± 0,025 | ≤ 0,012 | ± 0,12 | ≤ 0,08 | D10/DF10 DL10/DFL10 |
| | | 5 | ± 0,075 | ≤ 0,030 | ± 0,12 | ≤ 0,08 | |
| | | 10 | ± 0,100 | ≤ 0,040 | ± 0,12 | ≤ 0,08 | |
| GFA10003M | GFA10003P | 2 | ± 0,10 | ≤ 0,030 | ± 0,2 | ≤ 0,1 | D200/DF30 |
| | | 10 | ± 0,10 | ≤ 0,050 | ± 0,2 | ≤ 0,1 | |
| | | 20 | ± 0,20 | ≤ 0,060 | ± 0,2 | ≤ 0,1 | |
| GFA10004M | GFA10004P | 10 | ± 0,35 | ≤ 0,10 | ± 0,8 | ≤ 0,3 | D200/DF100 |
| | | 50 | ± 0,40 | ≤ 0,12 | ± 0,8 | ≤ 0,3 | |
| | | 100 | ± 0,80 | ≤ 0,15 | ± 0,8 | ≤ 0,3 | |
| GFA10005M | GFA10005P | 20 | ± 0,50 | ≤ 0,20 | ± 1,6 | ≤ 0,6 | D200/DF200 D300/DF300 |
| | | 100 | ± 0,80 | ≤ 0,25 | ± 1,6 | ≤ 0,6 | |
| | | 200 | ± 1,60 | ≤ 0,30 | ± 1,6 | ≤ 0,6 | |
| GFA10006M | GFA10006P | 100 | ± 3,0 | ≤ 0,6 | ± 8,0 | ≤ 3,0 | D1000/DF1000 D1200/DF1200 |
| | | 500 | ± 4,0 | ≤ 1,0 | ± 8,0 | ≤ 3,0 | |
| | | 1000 | ± 8,0 | ≤ 1,5 | ± 8,0 | ≤ 3,0 | |
| GFA10007 | — | 500 | ± 12 | ≤ 3 | ± 40 | ≤ 15 | D5000 |
| | | 2500 | ± 15 | ≤ 5 | ± 40 | ≤ 15 | |
| | | 5000 | ± 30 | ≤ 8 | ± 40 | ≤ 15 | |
| GFA10008 | — | 1000 | ± 30 | ≤ 6 | ± 60 | ≤ 30 | D10mL |
| | | 5000 | ± 40 | ≤ 10 | ± 60 | ≤ 30 | |
| | | 10000 | ± 60 | ≤ 16 | ± 60 | ≤ 30 | |



Mechanical pipette multichannel

| Reference | Model | Volume range (µl) | Gilson | | ISO 8655 | | PIPETMAN Diamond Tips |
|-----------|----------|-------------------|-----------------------|-------------------|-----------------------|-------------------|--------------------------|
| | | | Systematic error (µl) | Random error (µl) | Systematic error (µl) | Random error (µl) | |
| GFA10013 | P8x10L | 0,5 | ± 0,08 | ≤ 0,04 | ± 0,24 | ≤ 0,16 | D10/DF10 DL10/DFL10 |
| GFA10014 | P12x10L | 1 | ± 0,08 | ≤ 0,05 | ± 0,24 | ≤ 0,16 | |
| | | 5 | ± 0,20 | ≤ 0,10 | ± 0,24 | ≤ 0,16 | |
| | | 10 | ± 0,20 | ≤ 0,10 | ± 0,24 | ≤ 0,16 | |
| GFA10009 | P8x20L | 2 | ± 0,10 | ≤ 0,08 | ± 0,4 | ≤ 0,20 | DL10/DFL10 D200/DF30 |
| GFA10010 | P12x20L | 10 | ± 0,20 | ≤ 0,10 | ± 0,4 | ≤ 0,20 | |
| | | 20 | ± 0,40 | ≤ 0,15 | ± 0,4 | ≤ 0,20 | |
| GFA10011 | P8x20L | 20 | ± 0,50 | ≤ 0,25 | ± 3,2 | ≤ 1,2 | D200/DF200 D300/DF300 |
| GFA10012 | P12x200L | 100 | ± 1,00 | ≤ 0,40 | ± 3,2 | ≤ 1,2 | |
| | | 200 | ± 2,00 | ≤ 0,50 | ± 3,2 | ≤ 1,2 | |
| GFA10015 | P8x300L | 20 | ± 1,00 | ≤ 0,35 | ± 8,0 | ≤ 3,0 | D200/DF200 D300/DF300 |
| GFA10016 | P12x300L | 30 | ± 1,00 | ≤ 0,35 | ± 8,0 | ≤ 3,0 | |
| | | 150 | ± 1,50 | ≤ 0,60 | ± 8,0 | ≤ 3,0 | |
| | | 300 | ± 3,00 | ≤ 1,00 | ± 8,0 | ≤ 3,0 | |



Gilson MICROMAN® E

Ergonomic pipetting for viscous liquids

**Single channel pipette**

| Reference | Model | Capillary Piston | Volume (µl) | Gilson | | ISO 8655 | |
|-----------|--------|---------------------|----------------|--------------------------|----------------------|--------------------------|----------------------|
| | | | | Systematic error (µl) | Random error (µl) | Systematic error (µl) | Random error (µl) |
| GFD10001 | M10E | CP10 | 1 | ± 0,09 | ≤ 0,03 | ± 0,2 | ≤ 0,1 |
| | | CP10ST | 5 | ± 0,10 | ≤ 0,03 | ± 0,2 | ≤ 0,1 |
| | | | 10 | ± 0,15 | ≤ 0,06 | ± 0,2 | ≤ 0,1 |
| GFD10002 | M25E | CP25 | 3 | ± 0,25 | ≤ 0,08 | ± 0,7 | ≤ 0,3 |
| | | CP25ST | 10 | ± 0,27 | ≤ 0,08 | ± 0,7 | ≤ 0,3 |
| | | | 25 | ± 0,30 | ≤ 0,10 | ± 0,7 | ≤ 0,3 |
| GF10003 | M50E | CP50 | 20 | ± 0,34 | ≤ 0,20 | ± 0,7 | ≤ 0,3 |
| | | CP50ST | 50 | ± 0,70 | ≤ 0,30 | ± 0,7 | ≤ 0,3 |
| GF10004 | M100E | CP100 | 10 | ± 0,50 | ≤ 0,20 | ± 1,5 | ≤ 0,6 |
| | | CP100ST | 50 | ± 0,75 | ≤ 0,30 | ± 1,5 | ≤ 0,6 |
| | | | 100 | ± 1,00 | ≤ 0,40 | ± 1,5 | ≤ 0,6 |
| GF10005 | M250E | CP250 | 50 | ± 1,50 | ≤ 0,30 | ± 6 | ≤ 2,0 |
| | | CP250ST | 100 | ± 1,70 | ≤ 0,30 | ± 6 | ≤ 2,0 |
| | | | 250 | ± 2,50 | ≤ 0,50 | ± 6 | ≤ 2,0 |
| GF10006 | M1000E | CP1000 | 100 | ± 3,0 | ≤ 1,6 | ± 12 | ≤ 4,0 |
| | | CP1000ST | 500 | ± 5,0 | ≤ 2,5 | ± 12 | ≤ 4,0 |
| | | | 1000 | ± 8,0 | ≤ 4,0 | ± 12 | ≤ 4,0 |

Gilson PIPETMAN® Classic & G model

Premium Robustness and Comfort

**Mechanical pipette single channel**

| Stainless steel ejector | Plastic ejector | Models | Volume (µl) | Gilson | | ISO 8655 | |
|----------------------------|--------------------|--------|----------------|--------------------------|----------------------|--------------------------|----------------------|
| | | | | Systematic error (µl) | Random error (µl) | Systematic error (µl) | Random error (µl) |
| GF144801 | GF144054P | P2 | 0,2 | ± 0,024 | ≤ 0,012 | ± 0,08 | ≤ 0,04 |
| GF144054M | | P2G | 0,5 | ± 0,025 | ≤ 0,012 | ± 0,08 | ≤ 0,04 |
| | | | 2 | ± 0,030 | ≤ 0,014 | ± 0,08 | ≤ 0,04 |
| GF144802 | GF144055P | P10 | 1 | ± 0,025 | ≤ 0,012 | ± 0,12 | ≤ 0,08 |
| GF144055M | | P10G | 5 | ± 0,075 | ≤ 0,030 | ± 0,12 | ≤ 0,08 |
| | | | 10 | ± 0,100 | ≤ 0,040 | ± 0,12 | ≤ 0,08 |
| GF1123600 | GF144056P | P20 | 2 | ± 0,10 | ≤ 0,030 | ± 0,2 | ≤ 0,1 |
| GF144056M | | P20G | 10 | ± 0,10 | ≤ 0,050 | ± 0,2 | ≤ 0,1 |
| | | | 20 | ± 0,20 | ≤ 0,060 | ± 0,2 | ≤ 0,1 |
| GF123615 | GF144057P | P100 | 10/20 | ± 0,35 | ≤ 0,10 | ± 0,8 | ≤ 0,3 |
| GF144057M | | P100G | 50 | ± 0,40 | ≤ 0,12 | ± 0,8 | ≤ 0,3 |
| | | | 100 | ± 0,80 | ≤ 0,15 | ± 0,8 | ≤ 0,3 |
| GF123601 | GF144058P | P200 | 20/50 | ± 0,50 | ≤ 0,20 | ± 1,6 | ≤ 0,6 |
| GF144058M | | P200G | 100 | ± 0,80 | ≤ 0,25 | ± 1,6 | ≤ 0,6 |
| | | | 200 | ± 1,60 | ≤ 0,30 | ± 1,6 | ≤ 0,6 |
| GF123602 | GF144059P | P1000 | 100/200 | ± 3,0 | ≤ 0,6 | ± 8,0 | ≤ 3,0 |
| GF144059 | | P1000G | 500 | ± 4,0 | ≤ 1,0 | ± 8,0 | ≤ 3,0 |
| | | | 1000 | ± 8,0 | ≤ 1,5 | ± 8,0 | ≤ 3,0 |
| GF123603 | — | P5000 | 500/1000 | ± 12 | ≤ 3 | ± 40 | ≤ 15 |
| GF144066 | | P5000G | 2500 | ± 15 | ≤ 5 | ± 40 | ≤ 15 |
| | | | 5000 | ± 30 | ≤ 8 | ± 40 | ≤ 15 |
| GF161201 | — | P10mL | 1000 | ± 30 | ≤ 6 | ± 60 | ≤ 30 |
| GF144067 | | P10mLG | 5000 | ± 40 | ≤ 10 | ± 60 | ≤ 30 |
| | | | 10000 | ± 60 | ≤ 16 | ± 60 | ≤ 30 |

Gilson PIPETMAN® Kits

PIPETMAN L kits

| Reference | Model | PIPETMAN Model | PIPETMAN Diamond tips | Accessories |
|-----------|-----------------------------|--------------------------------|-----------------------|--|
| GF167350 | PIPETMAN L Starter Kit | P20L P200L P1000L | D1000 | 3 SINGLE™ pipette holders 3 plastic ejectors 1 Gilson Guide to Pipetting 1 Two-minute inspection poster |
| GF167550 | PIPETMAN L Micro-volume Kit | P2L P10L P100L | DL10 D200 | 3 SINGLE™ pipette holders 3 plastic ejectors 1 Gilson Guide to Pipetting 1 Two-minute inspection poster |
| GF167370 | PIPETMAN L 4-pipette Kit | P2L P20L P200L P1000L | DL10 D200 D1000 | 4 SINGLE™ pipette holders 1 Gilson Guide to Pipetting 1 Two-minute inspection poster |



PIPETMAN Classic kits

| Reference | Model | PIPETMAN Model | PIPETMAN Diamond tips | Accessories |
|-----------|-----------------------------------|----------------------------|-----------------------|--|
| GF167300 | PIPETMAN Classic Starter Kit | P20 P200 P1000 | D200 D1000 | 3 SINGLE™ pipette holders 1 Gilson Guide to Pipetting |
| GF167500 | PIPETMAN Classic Micro-volume Kit | P2 P10 P100 | DF10 D200 | 3 SINGLE™ pipette holders 1 Gilson Guide to Pipetting |
| GF167400 | PIPETMAN Classic Large-volume Kit | P5000 P10mL | — | 2x10 Protection Filters |
| GF167380 | PIPETMAN Classic 4-pipette Kit | P2 P20 P200 P1000 | DL10 D200 D1000 | 4 SINGLE™ pipette holders 4 PIPETMAN Comfort Handles 1 Gilson Guide to Pipetting 1 Two-minute inspection poster |



PIPETMAN G kits

| Reference | Model | PIPETMAN Model | PIPETMAN Diamond tips | Accessories |
|-----------|-----------------------------|--------------------------------|-----------------------|--|
| GF167900 | PIPETMAN G Starter Kit | P20G P200G P1000G | D200 D1000 | 3 SINGLE™ pipette holders 3 Plastic ejectors 3 PIPETMAN Comfort holders 1 Gilson Guide to Pipetting 1 Two-minute inspection poster |
| GF167800 | PIPETMAN G Micro-volume Kit | P2G P10G P100G | DL10 D200 | 3 SINGLE™ pipette holders 3 Plastic ejectors 1 Gilson Guide to Pipetting 1 Two-minute inspection poster |
| GF167360 | PIPETMAN G 4-pipette Kit | P2G P20G P200G P1000G | DL10 D200 D1000 | 4 SINGLE™ pipette holders 1 Gilson Guide to Pipetting 1 Two-minute inspection poster |



Gilson High Troughput Pipetting



PIPETMAX®

Increase reproducibility and the pace of your experiments with this easy-to-use, affordable, automated liquid handling platform

Specifications

| | |
|------------------------------------|---|
| Pipette Head Optionst | 8 channel 1-20µl, 8 channel 20-200µl Single channel 1000µl |
| Pipette Head Mounts | 2 PIPETMAX pipetting heads |
| Bed capacity | 9 standard microplate positions |
| Labware Compatibility | Standard shallow and deep-well microplates and microcentrifuge tubes |
| Instrument Dimensions | 24,8''x21,0''x20,7'' (with cover), 24,8''x20,0''x19,0''(without cover) |
| Operational Air Temperature | 4°C-40°C |



PLATEMASTER®

Amazingly easy-to-use, accurate solution for high throughput pipetting of 96- and 384-well microplates.

| Reference | Description | Specifications |
|-----------|------------------|--|
| GF110761 | PLATEMASTER P20 | 0,5-20µl, adjustable in 1µl increments |
| GF110762 | PLATEMASTER P220 | 2-220µl, adjustable in 1µl increments |
| - | Dimensions | 300mm x 450 mm x 400 mm |
| - | Weight | 16kg |

Gilson PIPETMAN Diamond Tips

Standard tips

| Description | Volume Range (µl) | Tip Length (mm) | Autoclavable Tips | Sterilised Tips | Pack unit |
|----------------------|-------------------|-----------------|-------------------|-----------------|-----------|
| DL10 Reload Pack | 0,1-20 | 45 | GF167012 | — | 10x96 |
| D200 Reload Pack | 2-200 | 51 | GF167013 | — | 10x96 |
| D1000 Reload Pack | 100-1000 | 66 | GF167014 | — | 576 |
| DL10 Blister Refill | 0,1-20 | 45 | GF172200 | GF172201 | 10x96 |
| D200 Blister Refill | 2-200 | 51 | GF172300 | GF172301 | 10x96 |
| D300 Blister Refill | 10-300 | 51 | GF172400 | GF172401 | 10x96 |
| D1000 Blister Refill | 100-1000 | 66 | GF172500 | GF172501 | 10x96 |
| D10 Tipack | 0,1-10 | 30 | GF171100 | GF171101 | 10x96 |
| DL10 Tipack | 0,1-20 | 45 | GF171200 | GF171201 | 10x96 |
| D200 Tipack | 2-200 | 51 | GF171300 | GF171301 | 10x96 |
| D300 Tipack | 10-300 | 51 | GF171400 | GF171401 | 10x96 |
| D1000 Tipack | 100-1000 | 66 | GF171500 | GF171501 | 10x96 |
| D1200 Tipack | 100-1200 | 84 | GF171600 | GF171601 | 10x96 |
| D5000 Tipack | 0,5-5 | 10,4 | GF161370 | — | 12x50 |
| D10ml Tipack | 1-10 | 16 | GF161230 | — | 8x30 |
| D10 Towerpack | 0,1-10 | 30 | GF167101 | GF167201 | 10x96 |
| DL10 Towerpack | 0,1-20 | 45 | GF167102 | GF167202 | 10x96 |
| D200 Towerpack | 2-200 | 51 | GF167103 | GF167203 | 10x96 |
| D300 Towerpack | 10-300 | 51 | GF167105 | GF167205 | 10x96 |
| D1000 Towerpack | 100-1000 | 66 | GF167104 | GF167204 | 7x96 |
| D10 Ecopack | 0,1-10 | 30 | GF161630 | — | 10x1000 |
| DL10 Ecopack | 0,1-20 | 45 | GF161450 | — | 10x1000 |
| D200 Ecopack | 2-200 | 51 | GF161930 | — | 10x1000 |
| D300 Ecopack | 10-300 | 51 | GF161730 | — | 10x1000 |
| D1000 Ecopack | 100-1000 | 66 | GF161670 | — | 10x1000 |
| D1200 Ecopack | 100-1200 | 84 | GF161110 | — | 10x1000 |
| D10 Easypack | 0,1-10 | 30 | GF161631 | — | 1,000 |
| DL10 Easypack | 0,1-20 | 45 | GF161451 | — | 1,000 |
| D200 Easypack | 2-200 | 51 | GF161931 | — | 1,000 |
| D300 Easypack | 10-300 | 51 | GF161731 | — | 1,000 |
| D1000 Easypack | 100-1000 | 66 | GF161671 | — | 1,000 |
| D1200 Easypack | 100-1200 | 84 | GF161111 | — | 1,000 |
| D5000 Easypack | 0,5-5 | 10,4 | GF161571 | — | 1,002 |
| D10mL Easypack | 1-10 | 16 | GF161210 | — | 1000 |
| D200st sterilpack | 2-200 | 51 | — | GF161330 | 400 |
| D1000st sterilpack | 100-1000 | 66 | — | GF161340 | 400 |



Filter tips

| Description | Volume Range (µl) | Tip Length (mm) | Sterilised Tips | Pack unit |
|-------------------------|-------------------|-----------------|-----------------|-----------|
| DFL10ST Blister Refill | 0,1-10 | 45 | GF172203 | 10x96 |
| DF30ST Blister Refill | 2-30 | 51 | GF172303 | 10x96 |
| DF100ST Blister Refill | 10-100 | 51 | GF172403 | 10x96 |
| DF200ST Blister Refill | 20-200 | 51 | GF172503 | 10x96 |
| DF300ST Blister Refill | 10-300 | 51 | GF172703 | 10x96 |
| DF1000ST Blister Refill | 100-1000 | 66 | GF172603 | 10x96 |
| DF10ST Filter Tipack | 0,1-10 | 30 | GF171103 | 10x96 |
| DFL10ST Filter Tipack | 0,01-10 | 45 | GF171203 | 10x96 |
| DF30ST Filter Tipack | 2-30 | 51 | GF171303 | 10x96 |
| DF100ST Filter Tipack | 10-100 | 51 | GF171403 | 10x96 |
| DF200ST Filter Tipack | 20-200 | 51 | GF171503 | 10x96 |
| DF300ST Filter Tipack | 10-300 | 51 | GF171603 | 10x96 |
| DF1000ST Filter Tipack | 100-1000 | 66 | GF171703 | 10x96 |
| DF1200ST Filter Tipack | 100-1200 | 84 | GF171803 | 10x96 |



Empty Reload Packs/Boxes

| Description | Reference | Pack unit |
|------------------------|-----------|-----------|
| Universal Reload Box | GF167100 | 1 |
| DL10/D200 Empty Box | GF171204 | 2 |
| D1000 Empty Box | GF171504 | 2 |
| D10 Empty Racks | GF171102 | 2 |
| DL10 Empty Racks | GF171202 | 2 |
| D200 Empty Racks | GF171302 | 2 |
| D300 Empty Racks | GF171402 | 2 |
| D1000/D1200 Empty Rack | GF171502 | 2 |
| D5000 Empty Rack | GF171360 | 1 |
| D10mL Empty Rack | GF171220 | 1 |



Blister Pack for Pipetmax, certified 384-well

| Description | Volume range (µl) | Tip Length (mm) | Autoclavable Tips | Sterilised Tips | Pack unit |
|--------------------------|-------------------|-----------------|-------------------|-----------------|-----------|
| DSL10 Blister Refill | 0,1-20 | 45 | GF172210 | GF172211 | 10x96 |
| DS200 Blister Refill | 2-200 | 51 | GF172310 | GF172311 | 10x96 |
| DS1000 Blister Refill | 10-1000 | 66 | GF172510 | GF172511 | 10x96 |
| DSFL10ST Blister Refill | 0,1-10 | 45 | — | GF172213 | 10x96 |
| DSF30ST Blister Refill | 2-30 | 51 | — | GF172313 | 10x96 |
| DSF200ST Blister Refill | 20-200 | 51 | — | GF172513 | 10x96 |
| DSF1000ST Blister Refill | 100-1000 | 66 | — | GF172613 | 10x96 |

Sartorius Picus® Pipettes



Electronic single channel pipette

Adjustable volume

| Reference | Volume range (µl) | Division (µl) | Systematic error (%) | Random error (%) | Tip (µl) |
|-----------|-------------------|---------------|----------------------|------------------|----------|
| BH735021 | 0,2-10 | 0,02 | ≤ ± 0,9 | ≤ 0,40 | 10 |
| BH735041 | 5-120 | 0,1 | ≤ ± 0,4 | ≤ 0,15 | 200/350 |
| BH735061 | 10-300 | 0,2 | ≤ ± 0,4 | ≤ 0,15 | 350 |
| BH735081 | 50-1000 | 1 | ≤ ± 0,4 | ≤ 0,15 | 1000 |
| BH735101 | 100-5000 | 5 | ≤ ± 0,5 | ≤ 0,15 | 5000 |
| BH735111 | 500-10000 | 10 | ≤ ± 0,6 | ≤ 0,20 | 10000 |



Electronic multichannel pipette

Adjustable volume

| Reference | Channels | Volume range (µl) | Division (µl) | Systematic error (%) | Random error (%) | Tip (µl) |
|-----------|----------|-------------------|---------------|----------------------|------------------|----------|
| BH735321 | 8 | 0,2-10 | 0,02 | ≤ ± 0,9 | ≤ 0,5 | 10 |
| BH735341 | 8 | 5-120 | 0,1 | ≤ ± 0,5 | ≤ 0,2 | 200/350 |
| BH735361 | 8 | 10-300 | 0,2 | ≤ ± 0,5 | ≤ 0,2 | 350 |
| BH735391 | 8 | 50-1200 | 1 | ≤ ± 0,5 | ≤ 0,2 | 1200 |
| BH735421 | 2 | 0,2-10 | 0,02 | ≤ ± 0,9 | ≤ 0,5 | 10 |
| BH735441 | 12 | 5-120 | 0,1 | ≤ ± 0,5 | ≤ 0,2 | 200/350 |
| BH735461 | 12 | 10-300 | 0,2 | ≤ ± 0,5 | ≤ 0,2 | 350 |
| BH735491 | 12 | 50-1200 | 1 | ≤ ± 0,5 | ≤ 0,2 | 1200 |

Sartorius eLINE® Pipettes

Dependable Durability

Electronic Single channel pipette

Adjustable volume

| Reference | Volume range (µl) | Division (µl) | Systematic error (%) | Random error (%) | Tip (µl) |
|-----------|-------------------|---------------|----------------------|------------------|----------|
| BH730011 | 0,1 - 5 | 0,05 | — | — | 10 |
| BH730021 | 0,2-10 | 0,05 | — | — | 10 |
| BH730041 | 5-120 | 0,5 | BH721008 | BH721018 | 300, 350 |
| BH730061 | 10-300 | 1 | BH721007 | BH721017 | 350 |
| BH730081 | 50-1000 | 5 | BH721006 | BH721016 | 1000 |
| BH730101 | 100-5000 | 10 | BH721006 | BH721016 | 5000 |



Electronic multichannel pipette

Adjustable volume

| Reference | Channels | Volume range (µl) | Division (µl) | Safe-cone filters | | Tip (µl) |
|-----------|----------|-------------------|---------------|-------------------|----------|----------|
| | | | | Standard | Plus | |
| BH73032X | 8 | 0,2-10 | 0,05 | — | BH721018 | 10 |
| BH73034X | 8 | 5-120 | 0,5 | BH721008 | — | 300, 350 |
| BH73036X | 8 | 10-300 | 5 | BH721007 | BH721017 | 350 |
| BH73039X | 8 | 50-1200 | 1 | BH721006 | BH721016 | 1200 |
| BH73042X | 12 | 0,2-10 | 0,05 | — | — | 10 |
| BH73044X | 12 | 5-120 | 0,5 | BH721008 | BH721018 | 300, 350 |
| BH73046X | 12 | 10-300 | 5 | BH721007 | BH721017 | 350 |
| BH73049X | 12 | 50-1200 | 1 | BH721006 | BH721016 | 1200 |



Sartorius Tacta® Pipettes

Perfectly Balanced

Mechanical single channel pipette

| Reference | Volume range (µl) | Division (µl) | Safe-cone filters | | Tip (µl) |
|-------------|-------------------|---------------|-------------------|----------|----------|
| | | | Standard | Plus | |
| BHLH-729010 | 0,1 - 3 | 0,002 | — | — | 10 |
| BHLH-729020 | 0,5 - 10 | 0,01 | — | — | 10 |
| BHLH-729030 | 2 - 20 | 0,02 | BH721014 | — | 200 |
| BHLH-729050 | 10 - 100 | 0,1 | BH721008 | BH721018 | 200,350 |
| BHLH-729060 | 20 - 200 | 0,2 | BH721007 | BH721017 | 200,350 |
| BHLH-729070 | 100 - 1000 | 1 | BH721006 | BH721016 | 1000 |
| BHLH-729080 | 500 - 5000 | 5 | BH721005 | BH721015 | 5000 |
| BHLH-729090 | 1000-10000 | 10 | BH721005 | BH721015 | 10000 |

Mechanical multichannel pipette

| Reference | Channels | Volume range (µl) | Division (µl) | Safe-cone filters | | Tip (µl) |
|-------------|----------|-------------------|---------------|-------------------|----------|----------|
| | | | | Standard | Plus | |
| BHLH-729120 | 8 | 0,5 - 10 | 0,01 | — | — | 10 |
| BHLH-729130 | 8 | 5 - 100 | 0,1 | BH721008 | BH721018 | 200, 350 |
| BHLH-729140 | 8 | 30 - 300 | 0,2 | BH721007 | BH721017 | 350 |
| BHLH-729220 | 12 | 0,5 - 10 | 0,01 | — | — | 10 |
| BHLH-729230 | 12 | 5 - 100 | 0,1 | BH721008 | BH721018 | 200, 350 |
| BHLH-729240 | 12 | 30 - 300 | 0,2 | BH721007 | BH721017 | 350 |



Sartorius Tacta® Pipette Multipacks

The Smart Solution for Your Lab

| Reference | Model | Number of pipettes | Pipette channel x Volume (µl) | Optifit Tip Racks | Accessories included |
|-----------|---------------------------|---|--|---|------------------------------------|
| LH-729670 | Tacta® Pipette 3-pack 10 | 3 x single channel | 1x 0,5-10 µl 1x 10-100 µl 1x 100-1000 µl | 96 tips of: - 0,2-10 µl - 0,5-200 µl - 10-1000 µl | Linear Stand Pipette Holder x 3 |
| LH-729671 | Tacta® Pipette 3-pack 20 | 3 x single channel | 1x 2-20 µl 1x 20-200 µl 1x 100-1000 µl | 96 tips of: - 0,5-200 µl - 10-1000 µl | Linear Stand Pipette Holder x 3 |
| LH-729672 | Tacta® Pipette 4-pack 20 | 4 x single channel | 1x 0,5-10 µl 1x 2-20 µl 1x 20-200 µl 1x 100-1000 µl | 96 tips of: - 0,1-10 µl - 0,5-200 µl - 10-1000 µl | Linear Stand Pipette Holder x 3 |
| LH-729673 | Tacta® Pipette 4-pack 100 | 4 x single channel | 1x 0,5-10 µl 1x 2-20 µl 1x 20-200 µl 1x 100-1000 µl | 96 tips of: - 0,1-10 µl - 0,5-200 µl - 10-1000 µl | Linear Stand Pipette Holder x 3 |
| LH-729674 | Tacta® Pipette 5-pack 10 | 5 x single channel | 1x 0,5-10 µl 1x 10-100 µl 1x 20-200 µl 1x 100-1000 µl 1x 500-5000 µl | 96 tips of: - 0,1-10 µl - 0,5-200 µl - 10-1000 µl | Linear Stand Pipette Holder x 3 |
| LH-729675 | Tacta® Pipette 5-pack 20 | 5 x single channel | 1x 2-20 µl 1x 10-100 µl 1x 20-200 µl 1x 100-1000 µl 1x 500-5000 µl | 96 tips of: - 0,5-200 µl - 10-1000 µl 50 tips of: - 5000 µl | Linear Stand Pipette Holder x 3 |
| LH-729676 | Tacta® Pipette 3+1-pack | 3 x single channel 1 x multi-channel | 1x 0,5-10 µl 1x 20-200 µl 1x 100-1000 µl 8x 30-300 µl | 96 tips of: - 0,1-10 µl - 0,5-200 µl - 5-350 µl - 10-1000 µl | Linear Stand Pipette Holder x 3 |
| LH-729677 | Tacta® Pipette 3-pack max | 3 x single channel | 1x 100-1000 µl 1x 500-5000 µl 1x 1-10 ml | 96 tips of: - 10-1000 µl Bulk in a Bag 100 x 0,1-5 ml 250 x 1-10 ml | Linear Stand Pipette Holder x 3 |



Tacta® General Information

- Low pipetting and tip ejection forces
- **Smooth tip ejection** with the new Optiject™ technology
- Unique Optilock™ system **provides flexibility** for volume adjustment and locking
- **Calibration adjustment** to provide accurate results for various liquid types
- **Reliable results**, even over lengthy pipetting periods
- **Easy-to-read**, four-digit volume display helps to set exact volumes
- **Easy to clean** with only three parts to disassemble
- Fully **autoclavable**
- High-quality standard Optifit tips **for various applications**

Sartorius mLINE® Pipettes

Perfectly Balanced

Mechanical pipette single channel

| Reference | Volume range (µl) | Division (µl) | Safe-cone filters | | Tip (µl) |
|-----------|-------------------|---------------|-------------------|----------|----------|
| | | | Standard | Plus | |
| BH725010 | 0,1-3 | 0,002 | — | — | 10 |
| BH725020 | 0,5-10 | 0,01 | — | — | 10 |
| BH725030 | 2-20 | 0,02 | BH721014 | — | 300 |
| BH725050 | 10-100 | 0,10 | BH721008 | BH721018 | 300, 350 |
| BH725060 | 20-200 | 0,20 | BH721007 | BH721017 | 300, 350 |
| BH725070 | 100-1000 | 1 | BH721006 | BH721016 | 1000 |
| BH725080 | 500-5000 | 10 | BH721005 | BH721015 | 5000 |
| BH725090 | 1000-10000 | 20 | BH721005 | BH721015 | 10000 |



Multichannel pipette multichannel

| Reference | Channels | Volume range (µl) | Division (µl) | Safe-cone filters | | Tip (µl) |
|-----------------|----------|-------------------|---------------|-------------------|----------|----------|
| | | | | Standard | Plus | |
| BH725120 / 5220 | 8/12 | 0,5-10 | 0,01 | — | — | 10 |
| BH725220 | 12 | 0,5-10 | 0,01 | — | — | 10 |
| BH725130 / 5230 | 8/12 | 5-100 | 0,10 | BH721008 | BH721018 | 300, 350 |
| BH725230 | 12 | 5-100 | 0,10 | BH721008 | BH721018 | 300, 350 |
| BH725140 / 5240 | 8/12 | 30-300 | 0,20 | BH721007 | BH721017 | 350 |
| BH725240 | 12 | 30-300 | 0,20 | BH721007 | BH721017 | 350 |



Sartorius mLINE® Pipette Multipacks

Ergonomic and Affordable

| Reference | Model | Number of pipettes | Pipette channel x Volume (µl) | Optifit Tip Tray Box | Accessories included |
|-----------|-------------------|--|--|--|----------------------|
| LH-725661 | Pipette 3-pack 10 | 3 x single channel | 1x 0,5-10 µl 1x 10-100 µl 1x 100-1000 µl | 96 tips of: - 0,2-10 µl - 0,5-200 µl - 10-1000 µl | Linear Stand |
| LH-725662 | Pipette 3-pack 20 | 3 x single channel | 1x 2-20 µl 1x 20-200 µl 1x 100-1000 µl | 96 tips of: - 0,5-200 µl - 10-1000 µl | Linear Stand |
| LH-725663 | Pipette 4-pack | 4 x single channel | 1x 0,5-10 µl 1x 10-100 µl 1x 20-200 µl 1x 100-1000 µl | 96 tips of: - 0,1-10 µl - 0,5-200 µl - 10-1000 µl | Linear Stand |
| LH-725664 | Pipette 5-pack | 5 x single channel | 1x 2-20 µl 1x 10-200 µl 1x 20-200 µl 1x 100-1000 µl 1x 500-5000 µl | 96 tips of: - 0,5-200 µl - 10-1000 µl - 100-5000 µl | Linear Stand |
| LH-725665 | Pipette 3+1 Pack | 3 x single channel 1 x multichannel | 1x 0,5-10 µl 1x 20-200 µl 1x 100-1000 µl 8x 30-300 µl | 96 tips of: - 0,1-10 µl - 0,5-200 µl - 5-350 µl - 10-1000 µl | Linear Stand |

mLINE® General Information

- 5 mLINE® Multipack options available for various needs with a **great value**
- A **set of 3 to 5 mLINE® mechanical pipettes**, a Linear Stand and racks of matching tips included
- Renew your existing pipettes with a set of new, **highly ergonomic** pipettes with **excellent accuracy and precision**
- Set up new workstations for every researcher with new, high quality pipettes

Sartorius ProLINE® Plus Pipettes

Dependable Durability



Mechanical single channel pipette

Fixed volume

| Reference | Volume range (µl) | Safe-cone filters | | Tip (µl) |
|-----------|-------------------|-------------------|----------|----------|
| | | Standard | Plus | |
| BH728515 | 5 | — | — | 10 |
| BH728520 | 10 | — | — | 10 |
| BH728530 | 20 | BH721014 | BH721018 | 300, 350 |
| BH728535 | 25 | BH721008 | — | 300, 350 |
| BH728545 | 50 | BH721008 | BH721018 | 300, 350 |
| BH728550 | 100 | BH721008 | BH721018 | 300, 350 |
| BH728560 | 200 | BH721007 | BH721017 | 300, 350 |
| BH728565 | 250 | BH721006 | BH721016 | 1000 |
| BH728567 | 500 | BH721006 | BH721016 | 1000 |
| BH728570 | 1000 | BH721006 | BH721016 | 1000 |
| BH728575 | 2000 | BH721005 | BH721015 | 5000 |
| BH728580 | 5000 | BH721005 | BH721015 | 5000 |
| BH728590 | 10000 | BH721005 | BH721015 | 10000 |



Mechanical single channel pipette

Adjustable volume

| Reference | Volume range (µl) | Division (µl) | Safe-cone filters | | Tip (µl) |
|-----------|-------------------|---------------|-------------------|----------|----------|
| | | | Standard | Plus | |
| BH728010 | 0,1-3 | 0,002 | — | — | 10 |
| BH728020 | 0,5-10 | 0,01 | — | — | 10 |
| BH728030 | 2-20 | 0,02 | BH721014 | — | 300 |
| BH728040 | 5-50 | 0,10 | BH721008 | BH721018 | 300 |
| BH728050 | 10-100 | 0,10 | BH721008 | BH721018 | 300, 350 |
| BH728060 | 20-2000 | 0,20 | BH721007 | BH721017 | 300, 350 |
| BH728070 | 100-1000 | 1 | BH721006 | BH721016 | 1000 |
| BH728080 | 500-5000 | 10 | BH721005 | BH721015 | 5000 |
| BH728090 | 1000-10000 | 20 | BH721005 | BH721015 | 10000 |



Mechanical multichannel pipette

Adjustable volume

| Reference | Channels | Volume range (µl) | Division (µl) | Safe-cone filters | | Tip (µl) |
|-----------|----------|-------------------|---------------|-------------------|----------|----------|
| | | | | Standard | Plus | |
| BH725120 | 8 | 0,5-10 | 0,01 | — | BH721018 | 10 |
| BH725220 | 12 | 0,5-10 | 0,01 | — | — | 10 |
| BH725130 | 8 | 10-100 | 0,10 | BH721008 | — | 300, 350 |
| BH725230 | 12 | 10-100 | 0,10 | BH721008 | BH721018 | 300, 350 |
| BH725140 | 8 | 30-300 | 0,20 | BH721007 | BH721017 | 350 |
| BH725240 | 12 | 30-300 | 0,20 | BH721007 | BH721017 | 350 |

Sartorius ProLINE® Plus Pipette Multipacks

Reliable Combo-Pack for Your Lab

| Reference | Model | Number of pipettes | Pipette channel x Volume (µl) | Optifit Tips | Accessories included |
|-----------|--------------------|--|---|--|----------------------|
| LH-728670 | Pipette 3-pack 10 | 3 x single channel | - 0,5–10 µl - 10–100 µl - 100–1,000 µl | 96 tips of: - 0,1-10 µl - 0,5-200 µl - 10-1000 µl | Linear Stand |
| LH-728671 | Pipette 3-pack 20 | 3 x single channel | 1x 2-20 µl 1x 20-200 µl 1x 100-1000 µl | 96 tips of: - 0,5-200 µl - 10-1000 µl | Linear Stand |
| LH-728672 | Pipette 4-pack 20 | 4 x single channel | 1x 0,5-10 µl 1x 2-20 µl 1x 20-200 µl 1x 100-1000 µl | 96 tips of: - 0,1-10 µl - 0,5-200 µl - 10-1000 µl | Linear Stand |
| LH-728673 | Pipette 4-pack 100 | 4 x single channel | 1x 0,5-10 µl 1x 10-100 µl 1x 20-200 µl 1x 100-1000 µl | 96 tips of: - 0,1-10 µl - 0,5-200 µl - 10-1000 µl | Linear Stand |
| LH-728674 | Pipette 5 Pack 10 | 5 x single channel | 1x 0,5–10 µl 1x 10-100 µl 1x 20-200 µl 1x 100-1000 µl 1x 500-5000 | 96 tips of: - 0,1-10 µl - 0,5-200 µl - 10-1000 µl 50 tips of: - 100-5000 µl | Linear Stand |
| LH-728675 | Pipette 5 Pack 10 | 5 x single channel | 1x 2–20 µl 1x 10-100 µl 1x 20-200 µl 1x 100-1000 µl 1x 500-5000 | 96 tips of: - 0,5-200 µl - 10-1000 µl 50 tips of: - 100-5000 µl | Linear Stand |
| LH-728676 | Pipette 3+1 Pack | 3 x single channel 1 x multichannel | 1x 0,5–10 µl 1x 20-200 µl 1x 100-1000 µl 8x 30-300 µl | 96 tips of: - 0,1-10 µl - 0,5-200 µl - 5-350 µl - 10-1000 µl | Linear Stand |
| LH-728677 | Pipette 3 Pack max | 3 x single channel | 1x 100-1000 µl 1x 500-5000 µl 1x 500-10000 µl | 96 tips of: - 10-1000 µl 50 tips of: - 100-5000 µl 35 tips of: - 500-10000 µl | Linear Stand |



ProLINE® Plus General Information

- Low pipetting forces
- **Ergonomic** finger hook
- Easy volume setting with click stop mechanism
- Quick and **easy-to-read volume display** minimises risk of volume setting errors
- **Thermal insulation** of internal components improves accuracy
- **Easy to use** “do-it-yourself” calibration
- **Easy to clean** with only three parts to disassemble
- Fully **autoclavable**
- High chemical and UV-resistance
- High-quality standard Optifit tips for **various applications**
- Optiload tip loading mechanism allows tip loading with an equal constant force onto every channel and enables **perfect tip sealing** onto every individual tip cone

Sartorius ProLINE® Pipettes

Practical and reliable liquid-handling tool



Mechanical single channel pipette

Fixed volume

| Reference | Volume range (µl) | Safe-cone filters | | Tip (µl) |
|-----------|-------------------|-------------------|----------|----------|
| | | Standard | Plus | |
| BH722001 | 5 | — | — | 10 |
| BH722004 | 10 | — | — | 10 |
| BH722010 | 20 | BH721008 | BH721018 | 200 |
| BH722015 | 25 | BH721008 | BH721018 | 200 |
| BH722020 | 50 | BH721008 | BH721018 | 200 |
| BH722025 | 100 | BH721007 | BH721017 | 200 |
| BH722030 | 200 | BH721007 | BH721017 | 200 |
| BH722035 | 250 | BH721006 | BH721016 | 1000 |
| BH722040 | 500 | BH721006 | BH721016 | 1000 |
| BH722045 | 1000 | BH721006 | BH721016 | 1000 |
| BH722050 | 2000 | BH721005 | BH721015 | 5000 |
| BH722055 | 5000 | BH721005 | BH721015 | 5000 |



Mechanical single channel pipette

Adjustable volume

| Reference | Volume range (µl) | Division (µl) | Safe-cone filters | | Tip (µl) |
|-----------|-------------------|---------------|-------------------|----------|----------|
| | | | Standard | Plus | |
| BH720010 | 0,1-2,5 | 0,05 | — | BH721018 | 10 |
| BH720015 | 0,5-10 | 0,10 | BH721008 | — | 10 |
| BH720080 | 2-20 | 0,50 | — | — | 200 |
| BH720025 | 5-50 | 0,50 | BH721008 | BH721018 | 200 |
| BH720050 | 10-100 | 1 | BH721007 | BH721017 | 200 |
| BH720070 | 20-200 | 1 | BH721007 | BH721018 | 200 |
| BH720060 | 100-1000 | 5 | BH721006 | BH721016 | 1000 |
| BH720110 | 1000-5000 | 50 | BH721005 | BH721015 | 5000 |













Mechanical multichannel pipette

Adjustable volume


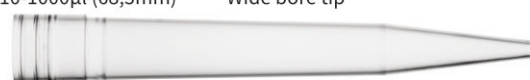
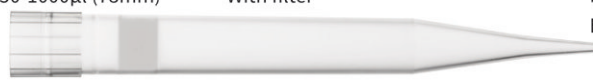



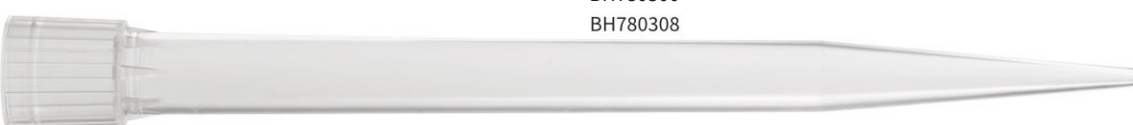

| Reference | Channels | Volume range (µl) | Division (µl) | Safe-cone filters | Tip (µl) |
|-----------|----------|-------------------|---------------|-------------------|----------|
| | | | | Standard | |
| BH720210 | 8 | 0,5-10 | 0,10 | — | 10 |
| BH720310 | 12 | 0,5-10 | 0,10 | — | 10 |
| BH720220 | 8 | 5-50 | 0,50 | BH721014 | 200 |
| BH720320 | 12 | 5-50 | 0,50 | BH721014 | 200 |
| BH720240 | 8 | 50-300 | 5 | BH721014 | 350 |
| BH720340 | 12 | 50-300 | 5 | BH721014 | 350 |

Sartorius Tips

| Volume range and size | Feature | Reference | Low retention | Purity level | | Packaging | Pack unit |
|---|---|---------------|---------------|--------------------------------|----------------|--------------|-----------|
| | | | | RNase, DNase endotoxin free | Pre-sterilised | | |
| 0,1-10µl (31,5mm)  | | BH790010 | | • | | 96 tips rack | 10 x 96 |
| | | BH790012 | • | • | | 96 tips rack | 10 x 96 |
| | | BHLH-L790010 | | • | • | 96 tips rack | 10 x 96 |
| | | BH790011 | | | | refill tower | 10 x 96 |
| | | BHLH-LF790011 | • | | | refill tower | 10 x 96 |
| | | BHLH-L790012 | | • | • | refill tower | 20 x 96 |
| | | BH790013 | | | | bulk in box | 1000 |
| | | BH790014 | | | | 96 tips rack | 10 x 96 |
| 0,1-10µl (31,5mm)  | With filter | BH790011F | | • | • | 96 tips rack | 10 x 96 |
| | | BHLH-LF790021 | • | • | • | 96 tips rack | 10 x 96 |
| 0,1-10µl (46mm)  | Extended | BH783210 | | • | | 96 tips rack | 10 x 96 |
| | | BH783211 | | • | • | 96 tips rack | 10 x 96 |
| 0,1-10µl (46mm)  | Extended, with filter and regular air gap | BH783201 | | • | • | 96 tips rack | 10 x 96 |
| 0,5-20µl (51mm)  | | BH790021F | | • | • | 96 tips rack | 10 x 96 |
| | | BHLH-LF790101 | • | • | • | 96 tips rack | 10 x 96 |
| 0,5-200µl (51mm)  | | BH790200 | | • | | 96 tips rack | |
| | | BHLH-L790200 | • | • | | 96 tips rack | 10 x 96 |
| | | BH790201 | | • | • | 96 tips rack | 10 x 96 |
| | | BH790202 | | | | 96 tips rack | 10 x 96 |
| | | BHLH-L790202 | • | | | refill tower | 10 x 96 |
| | | BH790203 | | • | • | refill tower | 10 x 96 |
| 2-120µl (51mm)  | With filter | BH790101F | | • | • | bulk in box | 960 |
| | | BHLH-LF790101 | • | • | • | 96 tips rack | 10 x 96 |
| 2-200µl (52,5mm)  | With filter | BH790201F | | • | • | 96 tips rack | 10 x 96 |
| | | BHLH-LF790201 | • | • | • | 96 tips rack | 10 x 96 |
| 5-300µl (52,5mm)  | With filter | BH790301F | | • | • | 96 tips rack | 10 x 96 |
| | | BHLH-LF790301 | | • | • | 96 tips rack | 10 x 96 |
| 5-350µl (54mm)  | | BH790350 | | • | | 96 tips rack | 10 x 96 |
| | | BHLH-L790350 | • | • | | 96 tips rack | 10 x 96 |
| | | BH790351 | | • | • | 96 tips rack | 10 x 96 |
| | | BH790352 | | | | refill tower | 10 x 96 |
| | | BHLH-790352 | • | | | refill tower | 10 x 96 |
| | | BH790353 | | • | • | refill pack | 15 x 96 |
| | | BHLH-B790354 | | | | bulk in box | 960 |

Next page

Sartorius Tips

| Volume range and size | Feature | Reference | Low retention | Purity level | | Packaging | Pack unit |
|-----------------------|---|---------------|---------------|--------------------------------|----------------|--------------|-----------|
| | | | | RNase, DNase endotoxin free | Pre-sterilised | | |
| 10-1000µl (71,5mm) |  | BH791000 | | • | | 96 tips rack | 10 x 96 |
| | | BHLH-L791000 | • | • | | 96 tips rack | 480 |
| | | BH791001 | | • | • | 96 tips rack | 1000 |
| | | BH791002 | | • | | refill pack | 10 x 96 |
| | | BH791003 | | • | • | refill pack | 10 x 96 |
| | | BHLH-B791004 | | | | bulk in box | 480 |
| 10-1000µl (68,5mm) | Wide bore tip  | BH791020 | | • | | 96 tips rack | 10 x 96 |
| | | BH791021 | | • | • | 96 tips rack | 10 x 96 |
| | | BHLH-B791024 | | | | bulk in box | 10 x 96 |
| 50-1000µl (78mm) | With filter  | BH791001F | • | • | • | 96 tips rack | 10 x 96 |
| | | BHLH-LF791001 | | • | • | 96 tips rack | 10 x 96 |
| 50-1200µl (71,5mm) |  | BH791200 | | • | | 96 tips rack | 10 x 96 |
| | | BHLH-L791200 | • | • | | 96 tips rack | 10 x 96 |
| | | BH791201 | | • | • | 96 tips rack | 10 x 96 |
| | | BH791202 | | • | | refill pack | 10 x 96 |
| | | BH791203 | | • | | refill pack | 10 x 96 |
| | | BHLH-B791204 | | | | bulk in box | 480 |
| 50-1200µl (90mm) | Extended  | BH791210 | | • | | 96 tips rack | 10 x 96 |
| | | BHLH-L791210 | • | • | | 96 tips rack | 10 x 96 |
| | | BH791211 | | • | • | 96 tips rack | 10 x 96 |
| | | BH791212 | | • | | refill pack | 10 x 96 |
| | | BH791213 | | • | • | refill pack | 10 x 96 |
| 50-1200µl (90mm) | With filter  | BH791211F | | • | • | 96 tips rack | 10 x 96 |
| | | BHLH-LF791211 | • | • | • | 96 tips rack | 10x96 |
| 100-5000µl (150mm) |  | BH780304 | | • | | rack | 50 |
| | | BH780305 | | • | • | rack | 50 |
| | | BH780300 | | | | Bulk in box | 100 |
| | | BH780308 | | | | Bulk in box | 1000 |
| 1000-10000µl (155mm) |  | BHLH-780316 | | | | Bulk in box | 250 |

Note: Tips illustrated in 1 to 1 scale for better guidance

Rainin Pipettes

Electronic multichannel pipette Rainin Pipet-Lite E4 XLS+

Adjustable spacer, for plates 24, 48 or 96 wells in various formats
Spacing: 6 channels (9-19mm), 8 channels (9-14mm), Cone LTS

| Reference | Volume range (µl) | Model | Box |
|-----------|-------------------|-------------|-----|
| M17012327 | 20-300 | EA6-300XLS | 6 |
| M17012328 | 100-1200 | EA6-1200XLS | 6 |
| M17012329 | 5-50 | EA8-50XLS | 8 |
| M17012330 | 20-300 | EA8-300XLS | 8 |
| M17012331 | 100-1200 | EA8-1200XLS | 8 |



Mechanical multichannel pipette Rainin Pipet-lite XLS+

Adjustable spacer, for plates 24, 48 or 96 wells in various formats
Spacing: 6 channels (9-19mm), 8 channels (9-14mm), Cone LTS

| Reference | Volume range (µl) | Model | Box |
|-----------|-------------------|-------------|-----|
| M17011841 | 20-300 | LA6-300XLS | 6 |
| M17011840 | 100-1200 | LA6-1200XLS | 6 |
| M17011844 | 5-50 | LA8-50XLS | 8 |
| M17011843 | 20-300 | LA8-300XLS | 8 |
| M17011842 | 100-1200 | LA8-1200XLS | 8 |



Positive displacement pipette Rainin Pos-D

For liquids with high densities, viscosities or vapour pressures.
Prevention of cross-contamination

| Reference | Volume range (µl) |
|-----------|-------------------|
| M17008575 | 0,5-10 |
| M17008576 | 3-25 |
| M17008577 | 20-50 |
| M17008578 | 10-100 |
| M17008579 | 50-250 |
| M17008580 | 100-1000 |



Rainin Tips

Tips for Rainin Pos-D

For positive displacement pipette.

| Reference | Volume range (µl) | Box |
|-----------|-------------------|---------------------|
| M17008604 | 10 | 180 tip, 3x60 units |
| M17008605 | 25 | 180 tip, 3x60 units |
| M17008606 | 50 | 180 tip, 3x60 units |
| M17008607 | 100 | 180 tip, 3x60 units |
| M17008608 | 250 | 180 tip, 3x60 units |
| M17008609 | 1000 | 180 tip, 3x60 units |



CAPP Bravo Pipettes

Lightweight and user friendly manual pipette



Single channel pipette

Variable volume

| Reference | Volume Range (µl) | Inaccuracy (%) | Imprecision (%) |
|------------|-------------------|----------------|-----------------|
| CPB02-1 | 0,1-2µl | 12,00/2,00 | 6,00/1,00 |
| CPB10-1 | 0,5-10µl | 2,50/1,00 | 1,80/0,50 |
| CPB20-1 | 2-20µl | 5,00/1,00 | 1,50/0,30 |
| CPB50-1 | 5-50µl | 2,00/1,00 | 1,20/0,30 |
| CPB100-1 | 10-100µl | 2,50/0,70 | 1,00/0,20 |
| CPB200-1 | 20-200µl | 2,50/0,60 | 0,70/0,20 |
| CPB1000-1 | 100-1000µl | 2,00/0,80 | 0,60/0,20 |
| CPB5000-1 | 1-5ml | 1,20/0,60 | 0,30/0,15 |
| CPB10000-1 | 1-10ml | 3,00/0,60 | 0,60/0,15 |



Single channel pipette

Fixed volume

| Reference | Volume Range (µl) | Inaccuracy (%) | Imprecision (%) |
|-------------|-------------------|----------------|-----------------|
| CPB01-1F | 1µl | 2,50 | 1,80 |
| CPB02-1F | 2µl | 2,00 | 1,00 |
| CPB05-1F | 5µl | 1,20 | 0,80 |
| CPB10-1F | 10µl | 1,00 | 0,50 |
| CPB20-1F | 20µl | 1,00 | 0,30 |
| CPB50-1F | 50µl | 1,00 | 0,30 |
| CPB100-1F | 100µl | 0,70 | 0,20 |
| CPB200-1F | 200µl | 0,60 | 0,20 |
| CPB500-1F | 500µl | 0,80 | 0,15 |
| CPB1000-1F | 1000µl | 0,80 | 0,20 |
| CPB5000-1F | 5ml | 0,60 | 0,15 |
| CPB10000-1F | 10ml | 0,60 | 0,15 |

CAPP Ecopipettes

Extended lifetime from renewable and durable resources



Single channel pipette

Variable volume

| Reference | Volume Range (µl) | Inaccuracy (%) | Imprecision (%) |
|-----------|-------------------|----------------|-----------------|
| CPC02-1S | 0,2-2µl | 12,00/2,00 | 6,00/1,00 |
| CPC02-1 | 0,2-2µl | 12,00/2,00 | 6,00/1,00 |
| CPC10-1 | 0,5-10µl | 2,50/1,00 | 1,80/0,50 |
| CPC20-1 | 2-20µl | 5,00/1,00 | 1,50/0,30 |
| CPC50-1 | 5-50µl | 2,00/1,00 | 1,20/0,30 |
| CPC100-1 | 10-100µl | 2,50/0,70 | 1,00/0,20 |
| CPC200-1 | 20-200µl | 2,50/0,60 | 0,70/0,20 |
| CPC1000-1 | 100-1000µl | 2,00/0,80 | 0,60/0,20 |
| CPB5000-1 | 1-5ml | 1,20/0,60 | 0,30/0,15 |

Single channel pipette

Fixed volume

| Reference | Volume Range (µl) | Inaccuracy (%) | Imprecision (%) |
|-----------------|-------------------|----------------|-----------------|
| CPC02-1S-001 | 1µl | 2,50 | 1,80 |
| CPC10-1-005 | 5µl | 1,20 | 0,80 |
| CPC10-1-010 | 10µl | 1,00 | 0,50 |
| CPC50-1-020 | 20µl | 1,00 | 0,30 |
| CPC50-1-025 | 25µl | 0,80 | 0,35 |
| CPC100-1-030 | 30µl | 1,16 | 0,40 |
| CPC200-1-050 | 50µl | 1,00 | 0,30 |
| CPC200-1-100 | 100µl | 0,70 | 0,20 |
| CPC200-1-200 | 200µl | 0,60 | 0,20 |
| CPC1000-1-500 | 500µl | 0,80 | 0,15 |
| CPC1000-1-1000 | 1000µl | 0,80 | 0,20 |
| CPC5000-1A-5000 | 5000µl | 0,60 | 0,15 |



CAPP Aero96

Easy and light tip mounting and ejection

Multichannel pipette

Variable volume

| Reference | Channels | Volume Range (µl) | Inaccuracy (%) | Imprecision (%) |
|-----------|----------|-------------------|----------------|-----------------|
| CPC10-8 | 8 | 0,5-10µl | 5,00/2,00 | 3,60/1,00 |
| CPC20-8 | 8 | 2-20µl | 5,00/2,00 | 3,60/1,00 |
| CPC50-8 | 8 | 5-50µl | 3,20/1,40 | 1,60/0,60 |
| CPC100-8 | 8 | 10-100µl | 2,50/1,30 | 1,20/0,50 |
| CPC200-8 | 8 | 20-200µl | 1,80/1,20 | 0,80/0,40 |
| CPC300-8 | 8 | 30-300µl | 1,66/1,40 | 0,60/0,30 |
| CPC10-12 | 12 | 0,5-10µl | 5,00/2,00 | 3,60/1,00 |
| CPC20-12 | 12 | 2-20µl | 5,00/2,00 | 3,60/1,00 |
| CPC50-12 | 12 | 5-50µl | 3,20/1,40 | 1,60/0,60 |
| CPC100-12 | 12 | 10-100µl | 2,50/1,30 | 1,20/0,50 |
| CPC200-12 | 12 | 20-200µl | 1,80/1,20 | 0,80/0,40 |
| CPC300-12 | 12 | 30-300µl | 1,66/1,40 | 0,60/0,30 |



CAPP Tips



Expell and ExpellPlus Filter Tips

| Reference | Description | Pack unit |
|------------|---|-----------|
| CP5030030C | ExpellPlus 10μL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130030C | Expell 10μL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5131030C | Expell 10μL, bag, w/ filter | 20x1000 |
| CP5030060C | ExpellPlus 10μL XL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130060C | Expell 10μL XL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5131060C | Expell 10μL XL, bag, w/ filter | 20x1000 |
| CP5030061C | ExpellPlus 10μL XL, Extra Narrow, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130061C | Expell 10μL XL, Extra Narrow, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5131061C | Expell 10μL XL, Extra Narrow, bag, w/ filter | 20x1000 |
| CP5030062C | ExpellPlus 20μL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130062C | Expell 20μL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5131062C | Expell 20μL, bag, w/ filter | 10x1000 |
| CP5030066C | ExpellPlus 100μL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130066C | Expell 100μL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5131066C | Expell 100μL, bag, w/ filter | 10x1000 |
| CP5030090C | ExpellPlus 200μL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130090C | Expell 200μL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5131090C | Expell 200μL, bag, w/ filter | 10x1000 |
| CP5030115C | ExpellPlus 300μL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130150C | Expell 1000μL, pre-sterile w/ filter, hinged racks | 4x8x96 |
| CP5131150C | Expell 1000μL, bag, w/ filter | 10x1000 |
| CP5130123C | Expell 1250μL XL, pre-sterile w/ filter, hinged racks | 4x8x96 |



Expell and ExpellPlus individually wrapped tips

| Reference | Description | Pack unit |
|------------|---|----------------------------|
| CP5030012C | ExpellPlus 10μL, pre-sterile, clear, bag | 5x400 individually wrapped |
| CP5030042C | ExpellPlus 10μL XL, pre-sterile, long, clear, bag | 5x400 individually wrapped |
| CP5030072C | ExpellPlus 200μL, pre-sterile, clear, bag | 5x400 individually wrapped |
| CP5130132C | Expell 1000μL (1250μL), pre-sterile, clear, bag | 5x200 individually wrapped |

ExpellPlus Low Retention Non-Filter Tips

| Reference | Description | Pack unit |
|------------|---|----------------------------|
| CP5030010C | ExpellPlus 10μL, pre-sterile, clear, bag, pcs. | 20x1000 |
| CP5030012C | ExpellPlus 10μL, pre-sterile, clear, bag, pcs. | 5x400 individually wrapped |
| CP5030020C | ExpellPlus 10μL, pre-sterile, hinged racks, pcs. | 5x10x96 |
| CP5030040C | ExpellPlus 10μL XL, pre-sterile, clear, bag | 20x1000 |
| CP5030042C | ExpellPlus 10μL XL, pre-sterile, clear, bag | 5x400 individually wrapped |
| CP5030050C | ExpellPlus 10μL XL, pre-sterile, hinged racks | 5x10x96 |
| CP5030051C | ExpellPlus 10μL XL, Extra Narrow, pre-sterile, hinged racks | 5x10x96 |
| CP5030070C | ExpellPlus 200μL, pre-sterile, clear, bag | 30x1000 |
| CP5030072C | ExpellPlus 200μL, pre-sterile, clear, bag | 5x400 individually wrapped |
| CP5030080C | ExpellPlus 200μL, pre-sterile, hinged racks | 5x10x96 |
| CP5130110C | ExpellPlus 300μL, pre-sterile, hinged racks | 5x10x96 |

ExpellPlus Low Retention Filter Tips

| Reference | Description | Pack unit |
|------------|---|-----------|
| CP5030030C | ExpellPlus 10µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5030060C | ExpellPlus 10µL XL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5030061C | ExpellPlus 10µL XL, Extra Narrow, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5030062C | ExpellPlus 20µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5030066C | ExpellPlus 100µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5030090C | ExpellPlus 200µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5030115C | ExpellPlus 300µL, pre-sterile w/ filter, hinged racks | 5x10x96 |

Expell and ExpellPlus Racked Tips

| Reference | Description | Pack unit |
|------------|---|-----------|
| CP5030015C | Expell 10µL, hinged racks | 5x10x96 |
| CP5030020C | ExpellPlus 10µL, pre-sterile, hinged racks | 5x10x96 |
| CP5030030C | ExpellPlus 10µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130030C | Expell 10µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5030045C | Expell 10µL XL, hinged racks | 5x10x96 |
| CP5030046C | Expell 10µL XL, Extra Narrow, hinged racks | 5x10x96 |
| CP5030050C | ExpellPlus 10µL XL, pre-sterile, hinged racks | 5x10x96 |
| CP5030051C | ExpellPlus 10µL XL, Extra Narrow, pre-sterile, hinged racks | 5x10x96 |
| CP5030060C | ExpellPlus 10µL XL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130060C | Expell 10µL XL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5030061C | ExpellPlus 10µL XL, Extra Narrow, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130061C | Expell 10µL XL, Extra Narrow, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5030062C | ExpellPlus 20µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130062C | Expell 20µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5030066C | ExpellPlus 100µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130066C | Expell 100µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5030075C | Expell 200µL, hinged racks | 5x10x96 |
| CP5030080C | ExpellPlus 200µL, pre-sterile, hinged racks | 5x10x96 |
| CP5030090C | ExpellPlus 200µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130090C | Expell 200µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130105C | Expell 300µL, hinged racks | 5x10x96 |
| CP5130110C | ExpellPlus 300µL, pre-sterile, hinged racks | 5x10x96 |
| CP5030115C | ExpellPlus 300µL, pre-sterile w/ filter, hinged racks | 5x10x96 |
| CP5130135C | Expell 1000µL (1250µL), hinged racks | 4x8x96 |
| CP5130140C | Expell 1000µL (1250µL), pre-sterile, hinged racks | 4x8x96 |
| CP5130150C | Expell 1000µL, pre-sterile w/ filter, hinged racks | 4x8x96 |
| CP5130121C | Expell 1250µL XL, hinged racks | 4x8x96 |
| CP5130122C | Expell 1250µL XL, pre-sterile, hinged racks | 4x8x96 |
| CP5130123C | Expell 1250µL XL, pre-sterile w/filter, hinged racks | 4x8x96 |
| CP5130165C | Expell 5000µL, pre-sterile, racks | 10x50 |
| CP5130195C | Expell 10000µL, pre-sterile, racks | 10x25 |



Expell Reload System

| Reference | Description | Pack unit |
|------------|--|-----------|
| CP5030035C | Expell 10µL, reload | 10x10x96 |
| CP5030034C | Empty rack for 10µL reload tips | 50 |
| CP5030055C | Expell 10µL XL, reload | 10x10x96 |
| CP5030054C | Empty rack for 10µL XL tips | 50 |
| CP5030095C | Expell 200µL, reload | 10x10x96 |
| CP5030094C | Empty rack for 200µL reload tips | 50 |
| CP5130155C | Expell 1000µL (1250µL), reload | 10x5x96 |
| CP5130125C | Empty rack for 1000µL (1250µL) reload tips | 32 |

CAPP Tips

Expell Bulk Filter Tips

| Reference | Description | Pack unit |
|------------|-----------------------------------|-----------|
| CP5131030C | Expell 10µL, bag, w/ filter | 5x1000 |
| CP5131060C | Expell 10µL XL, bag, w/ filter | 20x1000 |
| CP5131061C | Expell 10µL XL, Extra Narrow, bag | 20x1000 |
| CP5131062C | Expell 20µL, bag, w/ filter | 10x1000 |
| CP5131066C | Expell 100µL, bag, w/ filter | 10x1000 |
| CP5131090C | Expell 200µL, bag, w/ filter | 10x1000 |
| CP5131150C | Expell 1000µL, bag, w/ filter | 10x1000 |

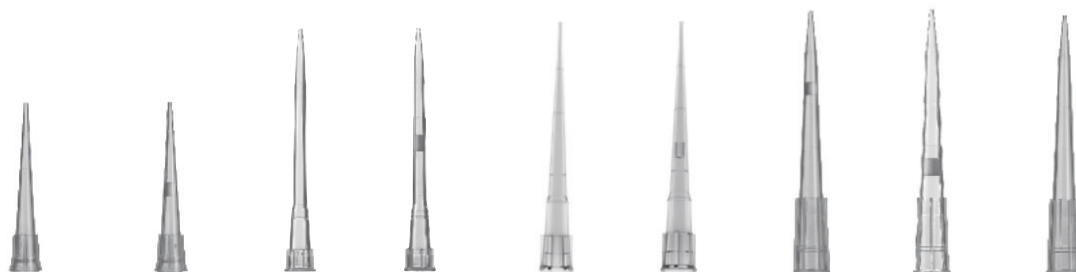
Expell and ExpellPlus Bulk Non-Filter Tips

| Reference | Description | Pack unit |
|------------|---|----------------------------|
| CP5130010C | Expell 10µL, clear, bag | 20x1000 |
| CP5030010C | ExpellPlus 10µL, pre-sterile, clear, bag | 20x1000 |
| CP5030012C | ExpellPlus 10µL, pre-sterile, clear, bag | 5x400 individually wrapped |
| CP5130040C | Expell 10µL XL, clear, bag | 20x1000 |
| CP5030040C | ExpellPlus 10µL XL, pre-sterile, clear, bag | 20x1000 |
| CP5130041C | Expell 10µL XL, Extra Narrow, clear, bag | 20x1000 |
| CP5030042C | ExpellPlus 10µL XL, pre-sterile, clear, bag | 5x400 individually wrapped |
| CP5130070C | Expell 200µL, clear, bag | 30x1000 |
| CP4130075C | Expell 200µL, yellow, bag | 30x1000 |
| CP5030070C | ExpellPlus 200µL, pre-sterile, clear, bag | 30x1000 |
| CP5030072C | ExpellPlus 200µL, pre-sterile, clear, bag | 5x400 individually wrapped |
| CP5130100C | Expell 300µL, clear, bag | 10x1000 |
| CP5130130C | Expell 1000µL (1250µL), clear, bag | 10x1000 |
| CP4130135C | Expell 1000µL (1250µL), blue, bag | 10x1000 |
| CP5130132C | Expell 1000µL (1250µL), pre-sterile, clear, bag | 5x200 individually wrapped |
| CP5130120C | Expell 1250µL XL, clear, bag | 8x 500 |
| CP5130160C | Expell 5000µL, clear, bag | 10x250 |
| CP5130190C | Expell 10000µL, clear, bag | 5x200 |



CAPP Tips

Expell and ExpellPlus Compatibility Chart



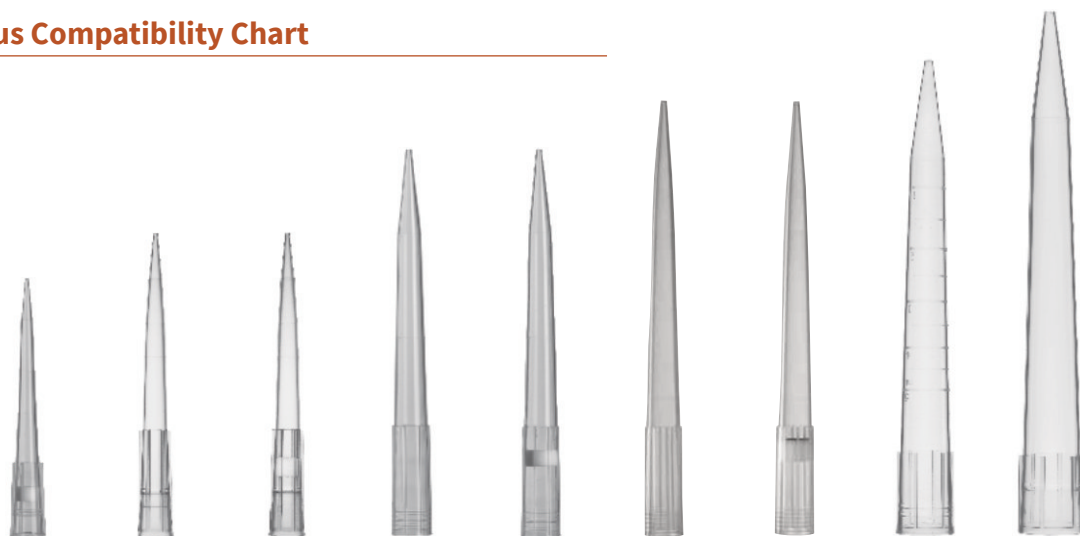
| Reference | CP5130010C CP5030010C CP5030012C CP5030015C | CP5030030C CP5131030C | CP5130040C CP5030040C CP5030042C CP5030045C CP5030050C CP5030055C | CP5030060C CP5130060C CP5131060C | CP5130041C CP5030041C CP5030046C CP5030051C | CP5030061C CP5130061C CP5131061C | CP5030062C CP5130062C CP5131062C | CP5030066C CP5130066C CP5131066C | CP5130070C CP5030070C CP5030072C CP4130075C CP5030080C CP5030095C |
|--|--|--------------------------|--|--|--|--|--|--|--|
| Capp Bravo, ecopipette and CappAero single channel pipette | 0,2-2µl 0,5-10µl | 0,2-2µl 0,5-10µl | 0,2-2µl 0,5-10µl | 0,2-2µl 0,5-10µl | 0,2-2µl 0,5-10µl | 0,2-2µl 0,5-10µl | 2-20µl | 5-50µl 10-100µl | 2-20µl 5-50µl 10-100µl 20-200µl |
| Capp electronic pipettes and CappAero single channel pipette | 0,5-10µl 2-20µl | 0,5-10µl 2-20µl | 0,5-10µl 2-20µl | 0,5-10µl 2-20µl | 0,5-10µl 2-20µl | 0,5-10µl 2-20µl | – | 5-50µl 10-100µl | 5-50µl 10-100µl 20-200µl |
| Biohy eline, mline, Proline Plus | 0,1-3µl 0,5-10µl | 0,1-3µl 0,5-10µl | 0,1-3µl 0,5-10µl | 0,1-3µl 0,5-10µl | 0,1-3µl 0,5-10µl | 0,1-3µl 0,5-10µl | 2-20µl | 2-20µl 10-100µl | 2-20µl 10-100µl 20-200µl |
| Brand Transferpette, Transferpette S, Transferpette Electronic | 0,5-10µl | 0,5-10µl | 0,5-10µl | 0,5-10µl | 0,5-10µl | 0,5-10µl | 2-20µl | – | 2-20µl 10-100µl 20-200µl |
| Eppendorf Reference, Research Plus | 0,1-2,5µl 0,5-10µl | 0,5-10µl | 0,1-2,5µl 0,5-10µl | 0,1-2,5µl 0,5-10µl | 0,1-2,5µl 0,5-10µl | 0,1-2,5µl 0,5-10µl | 2-20µl | 2-20µl 10-100µl | 2-20µl 10-100µl 20-200µl |
| Finnpipette Digital | 0,5-10µl | 0,5-10µl | 0,5-10µl | 0,5-10µl | 0,5-10µl | 0,5-10µl | 2-20µl | 5-50µl | 2-20µl 5-50µl 20-200µl |
| Gilson Pipetman | 0,2-2µl 1-10µl | 0,2-2µl 1-10µl | 0,2-2µl 1-10µl | 0,2-2µl 1-10µl | 0,2-2µl 1-10µl | 0,2-2µl 1-10µl | 2-20µl | 2-20µl 10-100µl | 2-20µl 20-100µl 50-200µl |
| Rainin Classic, universal shaft (non LTS) | 0,1-2µl 0,5-10µl | 0,1-2µl 0,5-10µl | 0,2-2µl 1-10µl | 0,1-2µl 0,5-10µl | 0,2-2µl 1-10µl | 0,1-2µl 0,5-10µl | 2-20µl | 2-20µl 10-100µl | 2-20µl 10-100µl 20-200µl |
| VWR, Labnet, HTL mechanical pipettes | 0,1-2µl 0,5-10µl | 0,1-2 0,5-10µl | 0,2-2µl 1-10µl | 0,1-2µl 0,5-10µl | 0,2-2µl 1-10µl | 0,1-2µl 0,5-10µl | 2-20µl | 2-20µl 10-100µl | 2-20µl 10-100µl 20-200µl |

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CAPP Tips

Expell and ExpellPlus Compatibility Chart



| Reference | CP5030090C CP5130090C CP5131090C | CP5130100C CP5130105C CP5130110C | CP5030115C | CP5130130C CP5130132C CP4130135C CP5130135C CP5130140C CP5130155C | CP5130150C CP5131150C | CP5130120C CP5130121C CP5130122C | CP5130123C | CP5130160C CP5130165C | CP5130190C CP5130195C |
|--|--|--|--|--|--------------------------|--|--------------------------|--------------------------|--------------------------|
| Capp Bravo, ecopipette and CappAero single channel pipette | 2-20µl 5-50µl 10-100µl 20-200µl | 2-20µl 5-50µl 10-100µl 20-200µl | 2-20µl 5-50µl 10-100µl 20-200µl | 100-1000µl | 100-1000µl | 100-1000µl | 100-1000µl | 1-5ml | 1-10ml |
| Capp electronic pipettes and CappAero single channel pipette | 5-50µl 10-100µl 20-200µl | 5-50µl 10-100µl 20-200µl 30-300µl | 5-50µl 10-100µl 20-200µl 30-300µl | 100-1200µl | 100-1200µl | 100-1200µl | 100-1200µl | 500-5000µl | – |
| Biohy eline, mline, Proline Plus | 10-100µl 20-200µl | 2-20µl 10-100µl 20-200µl | 2-20µl 10-100µl 20-200µl | 100-1000µl | 100-1000µl | 100-1000µl | 100-1000µl | – | 1-10ml |
| Brand Transferpette, Transferpette S, Transferpette Electronic | 20-200µl | 20-200µl 15-300µl | 20-200µl 15-300µl | 100-1000µl | 100-1000µl | 100-1000µl | 100-1000µl | – | – |
| Eppendorf Reference, Research Plus | 20-200µl | 10-100µl 20-200µl 30-300µl | 10-100µl 20-200µl 30-300µl | 100-1000µl | 100-1000µl | 100-1000µl | 100-1000µl | – | 1-10ml |
| Finnpipette Digital | 5-50µl 20-200µl | 5-50µl 20-200µl 30-300µl | 5-50µl 20-200µl 30-300µl | 100-1000µl 200-1000µl | 100-1000µl 200-1000µl | 100-1000µl 200-1000µl | 100-1000µl 200-1000µl | – | – |
| Gilson Pipetman | 2-20µl 10-100µl 20-200µl | 2-20µl 10-100µl 20-200µl | 2-20µl 10-100µl 20-200µl | 100-1000µl 200-1000µl | 100-1000µl 200-1000µl | 100-1000µl 200-1000µl | 100-1000µl 200-1000µl | 1-5ml | 1-10ml |
| Rainin Classic, universal shaft (non LTS) | 2-20µl 10-100µl 20-200µl | 2-20µl 10-100µl 20-200µl | 2-20µl 10-100µl 20-200µl | 100-1000µl | 100-1000µl | 100-1000µl | 100-1000µl | 1-5ml | 1-10ml |
| VWR, Labnet, HTL mechanical pipettes | 2-20µl 10-100µl 20-200µl | 2-20µl 10-100µl 20-200µl | 2-20µl 10-100µl 20-200µl | 100-1000µl | 100-1000µl | 100-1000µl | 100-1000µl | 1-5ml | 1-10ml |

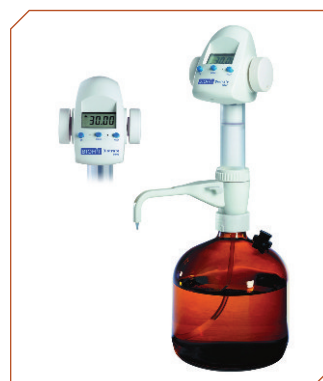
Vitlab Digital Burette Continuous

| Reference | Type | Volume range (µl) | Systematic error (%) | Random error (%) |
|-----------|------|-------------------|----------------------|------------------|
| V1620506 | E | 2,5 | $\leq \pm 0,2-25$ ml | $\leq 0,1-25$ ml |
| V1620507 | RS | 5 | $\leq \pm 0,2-50$ ml | $\leq 0,1-50$ ml |



Sartorius Digital burette Biotrate

| Reference | Volume range (µl) | Division (µl) | Systematic error (%) | Random error (%) |
|-------------|-------------------|---------------|----------------------|------------------|
| BH723054 | 0-30 | 0,01 | 0,2 | 0,1 |
| BH723055 | 0-50 | 0,01 | 0,2 | 0,1 |
| BHLH-723080 | 0-10 | 0,01 | 0,3 | 0,1 |
| BHLH-723081 | 0-20 | 0,01 | 0,2 | 0,1 |
| BHLH-723082 | 0-50 | 0,01 | 0,2 | 0,1 |



Rainin Dispenser Disp-X

Chemically resistant

| Reference | Model | Volume range (ml) | Division (ml) | Random error (%) |
|-----------|---------|-------------------|---------------|------------------|
| M30373527 | DX-5EU | 0,5-10 | 0,1 | $\leq 0,5$ |
| M30373528 | DX-10EU | 1-10 | 0,2 | $\leq 0,5$ |
| M30373529 | DX-25EU | 2,5-25 | 0,5 | $\leq 0,5$ |
| M30373730 | DX-50EU | 5-50 | 1 | $\leq 0,5$ |



Vitlab Dispenser Genius²

For organic and inorganic solvents. Recirculation valve. Adjustable volume

| Reference | Volume range (ml) | Division (ml) | Systematic error (%) | Random error (%) |
|-----------|-------------------|---------------|----------------------|------------------|
| V1625503 | 0,25-2,5 | 0,05 | $\leq \pm 0,6$ | $\leq 0,1$ |
| V1625504 | 0,5-5 | 0,1 | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1625505 | 1-10 | 0,2 | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1625506 | 2,5-25 | 0,5 | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1625507 | 5-50 | 1 | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1625508 | 10-100 | 2 | $\leq \pm 0,5$ | $\leq 0,1$ |





Vitelab Dispenser simplex²

for organic and inorganic solvents, adjustable volume

| Reference | Volume (ml) | Division (ml) | Systematic error (%) | Random error (%) |
|-----------|-------------|---------------|----------------------|------------------|
| V1621503 | 0,25-2,5 | 0,05 | $\leq \pm 0,6$ | $\leq 0,1$ |
| V1621504 | 0,5-5 | 0,1 | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1621505 | 1-10 | 0,2 | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1621506 | 2,5-25 | 0,5 | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1621507 | 5-50 | 1 | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1621508 | 10-100 | 2 | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1622502* | 1 | — | $\leq \pm 0,6$ | $\leq 0,1$ |
| V1622504* | 5 | — | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1622505* | 10 | — | $\leq \pm 0,5$ | $\leq 0,1$ |

*fixed volume



Vitelab Dispenser Piccolo

For dispensing tiny quantities of liquids in all areas of biochemical and medical research.

| Reference | Volume (ml) | Division (ml) | Systematic error (%) | Random error (%) |
|-----------|-------------|----------------|----------------------|------------------|
| V1610501 | 100 | $\leq \pm 3,0$ | $\leq 0,4$ | 1 |
| V1610502 | 200 | $\leq \pm 2,5$ | $\leq 0,4$ | 1 |
| V1610503 | 250 | $\leq \pm 2,0$ | $\leq 0,4$ | 1 |
| V1610504 | 500 | $\leq \pm 1,5$ | $\leq 0,3$ | 1 |
| V1610506 | 1000 | $\leq \pm 1,0$ | $\leq 0,2$ | 1 |
| V1611503 | 100-250 | $\leq \pm 2,0$ | $\leq 0,4$ | 2 |
| V1611506 | 500-1000 | $\leq \pm 1,0$ | $\leq 0,2$ | 2 |
| V1611508 | 1000-2000 | $\leq \pm 1,0$ | $\leq 0,2$ | 2 |



Vitelab Dispenser TA

For solvents with high purity, acids and highly concentrated bases

Use with HF (fluorhydric acid)

| Reference | Volume (ml) | Valve spring | Recirculation | Systematic error (%) | Random error (%) |
|-----------|-------------|------------------|---------------|----------------------|------------------|
| V1627515 | 1-10 | platinum-iridium | no | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1627525 | 1-10 | platinum-iridium | yes | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1627535 | 1-10 | tantalum | no | $\leq \pm 0,5$ | $\leq 0,1$ |
| V1627545 | 1-10 | tantalum | yes | $\leq \pm 0,5$ | $\leq 0,1$ |



Sartorius Dispenser Prospenser

With anti-drip safety valve or closure cap. Bottle not included

| Reference | Volume (ml) | Division (ml) | Systematic error (%) | Random error (%) |
|-------------|-------------|---------------|----------------------|------------------|
| BHLH-723060 | 0,2-1 | 0,05 | 0,6 | 0,2 |
| BHLH-723061 | 0,4-2 | 0,05 | 0,6 | 0,2 |
| BHLH-723062 | 1-5 | 0,10 | 0,6 | 0,2 |
| BHLH-723063 | 2-10 | 0,25 | 0,6 | 0,2 |
| BHLH-723064 | 5-30 | 0,50 | 0,6 | 0,2 |
| BHLH-723065 | 10-60 | 1,00 | 0,6 | 0,2 |

Sartorius Dispenser Prospenser Plus

With anti-drip safety valve or closure cap. Bottle not included

| Reference | Volume (ml) | Division (ml) | Systematic error (%) | Random error (%) |
|-------------|-------------|---------------|----------------------|------------------|
| BHLH-723070 | 0,2-1 | 0,05 | 0,6 | 0,2 |
| BHLH-723071 | 0,4-2 | 0,05 | 0,6 | 0,2 |
| BHLH-723072 | 1-5 | 0,10 | 0,6 | 0,2 |
| BHLH-723073 | 2-10 | 0,25 | 0,6 | 0,2 |
| BHLH-723074 | 5-30 | 0,50 | 0,6 | 0,2 |
| BHLH-723075 | 10-60 | 1,00 | 0,6 | 0,2 |



Pipette controller

| Reference | Model | Feature |
|--------------|------------|---|
| BH710931 | Midi Plus® | with universal AC-adaptor (1-100ml) |
| BHLH-7129120 | Midi Plus® | replacement filter, 0,45 µm, autoclavable (5 units) |
| BHLH-711017 | Midi Plus® | adapter set for 5 ml tip |
| BHLH-711018 | Midi Plus® | adapter set for 10 ml tip |
| BH780300 | Midi Plus® | 5 ml tip (150mm) - 100 units |
| BH780310 | Midi Plus® | 10 ml extended tip (242 mm) - 100 units |
| V1631500 | Pipeo® | with battery charger (0,1-100ml) |
| V1630500 | Maneus® | (0,1-100ml) autoclavable (2 bar) |
| M17011743 | Pipet-X® | PX-100, with battery (0,1-100ml) |
| V1670647 | Maneus® | membrane filter, 0,2 µm steril |
| V1670650 | Pipet-X® | membrane filter, 0,3 µm non-steril |

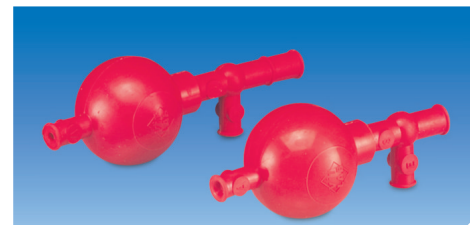


Accessories

Pipette filler

Pompete, with 3 valves

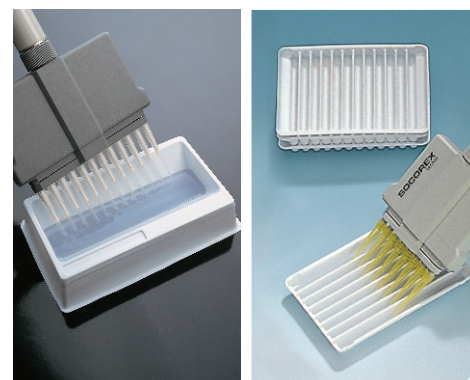
| Reference | Feature |
|-----------|--|
| V104099 | Pompete with 3 valves, for pipettes up to 10 ml |
| 719200 | Pompete with 3 valves, for pipettes up to 25 ml |
| V104199 | Pompete with 3 valves, for pipettes up to 100 ml |
| 719201 | Pipetting bulb, autoclavable |
| 7W-100 | For pipettes up to 2ml, blue |
| 7W-110 | For pipettes up to 10ml, green |
| 7W-120 | For pipettes up to 25ml, red |

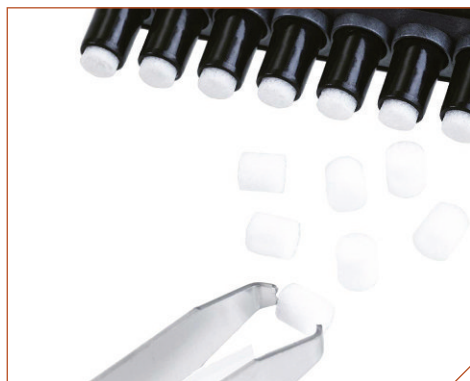


Universal Reagent Reservoir

Individually wrapped

| Reference | Capacity (ml) | Feature | Size (mm) | Sterile | Box |
|-----------|---------------|--------------|---------------|---------|--------|
| 7M-203 | 25 | — | — | no | 5 x 10 |
| 7330089 | 40 | 8 channel | 83 x 126 x 13 | no | 10 |
| 7330129 | 40 | 12 channel | 126 x 83 x 13 | yes | 10 |
| 7M-200 | 150 | — | — | no | 50 |
| 7M-210 | 150 | — | — | yes | 50 |
| BH783500 | 120 | autoclavable | — | no | 16 |





Sartorius Safe-cone Filters

Polyethylene

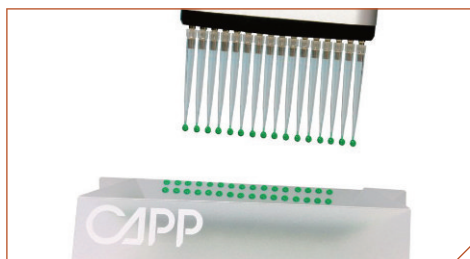
| Reference | Feature | Box |
|-----------|----------------------------|-----|
| BH721008 | standard, diameter 2,51 mm | 50 |
| BH721007 | standard, diameter 3,15 mm | 50 |
| BH721006 | standard, diameter 5,33 mm | 50 |
| BH721005 | standard, diameter 6,73 mm | 50 |
| BH721014 | standard, diameter 1,83 mm | 50 |
| BH721018 | plus, diameter 2,51 mm | 50 |
| BH721017 | plus, diameter 3,15 mm | 50 |
| BH721016 | plus, diameter 5,33 mm | 50 |
| BH721015 | plus, diameter 6,73 mm | 50 |



Sartorius Pipette support

Polyethylene

| Reference | Picture n° | Feature |
|-----------|------------|---|
| BH725620 | 1 | Linear stand for all pipette models |
| BH725610 | 2 | Holder for 1 mechanical pipette |
| BH725600 | 3 | Carousel stand for 6 mechanical pipettes |
| BH730981 | 4 | Charging stand for 1 electronic pipette (includes universal AC-adaptor) |
| BH730991 | 5 | Charging stand for 4 electronic pipette (includes universal AC-adaptor) |



Capp Reagent Reservoirs CappOrigami




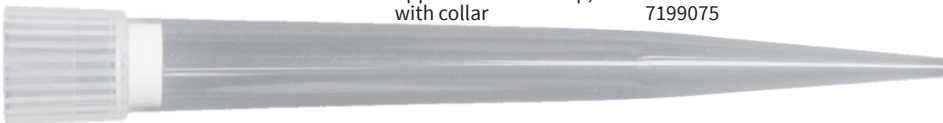
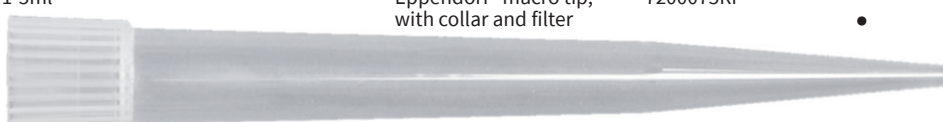

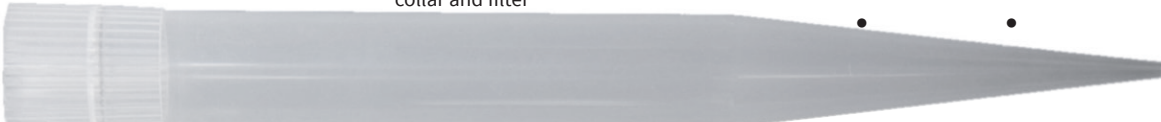
| Reference | Description | Pack unit |
|-----------|---|--------------------|
| CPCA40505 | CappOrigami 30ml (8- and 16-channel pipettes) | 50 |
| CPCA40506 | CappOrigami 30ml (8- and 16-channel pipettes) | 10x5 (Pre-Sterile) |
| CPCA40510 | CappOrigami 40ml (12-channel pipettes) | 50 |
| CPCA40511 | CappOrigami 40ml (12-channel pipettes) | 10x5 (Pre-Sterile) |

Universal Tips

| Volume range and size | Feature | Reference | Purity level | | Packaging | Pack unit | |
|---|---|----------------------------------|----------------------------------|----------------|--|--|---------------------------------|
| | | | RNase, DNase endotoxin free | Pre-sterilised | | | |
| Suitable (not exclusive): Gilson®, Eppendorf®, Dsg®, Elkay®, Finnpiquette®, Genex®, Jencons®, Nichiryo®, HTL® | | | | | | | |
| 0,1-10µl |  | 7200024 7199084RC | | | Tips in bulk 96 tips rack | 20 x 1000 10 x 96 | |
| 0,1-10µl | | With Filter | 7326-19 7327-19 | ● | ● | Tips in bulk 96 tips rack | 20 x 1000 10 x 96 |
| Suitable (not exclusive): Gilson®, Eppendorf®, Dsg®, Elkay®, Finnpiquette®, Genex®, Jencons®, Socorex®, Nichiryo®, HTL® | | | | | | | |
| 0-200µl |  | Yellow, Gilson® model | 6502004 | | | Tips in bulk 1000 | |
| 2-200µl |  | 7200078 7199078RC 7199078N | | | Tips in bulk 96 tips rack 96 tips rack | 25 x 1000 10 x 96 10 x 96 | |
| | | Bevelled | | | | | |
| Suitable (not exclusive): Gilson®, Eppendorf®, Brand®, Dsg®, Elkay®, Finnpiquette®, Genex®, Jencons®, Kartell®, Socorex®, Nichiryo®, HTL® | | | | | | | |
| 2-200µl |  | 7200072 7199014RC 7199014N | ● | ● | Tips in bulk 96 tips in rack 96 tips in rack | 25 x 1000 10 x 96 10 x 96 | |
| 2-100µl | | With filter | 7327-33 7327-33R | ● | ● | Tips in bulk 96 tips rack | 25 x 1000 10 x 96 |
| Suitable (not exclusive): Gilson®, Eppendorf®, Dsg®, Elkay®, Finnpiquette®, Genex®, Jencons®, Socorex®, Nichiryo®, HTL®, Thermo® | | | | | | | |
| 2-200µl |  | 7200076 7200076R | | | Tips in bulk 96 tips in rack | 25 x 1000 10 x 96 | |
| 2-200µl | | With filter | 7200076RF | ● | ● | 96 tips rack | 10 x 96 |
| Suitable (not exclusive): Gilson®, Eppendorf®, Brand®, Dsg®, Elkay®, Finnpiquette®, Genex®, Jencons®, Socorex®, Nichiryo®, HTL® | | | | | | | |
| 5-200µl |  | 7200009 7200009B 7200009R | | ● | Tips in bulk individually 96 tips rack | 25 x 1000 200 10 x 96 | |
| Suitable (not exclusive): Gilson®, Eppendorf®, Dsg®, Elkay®, Finnpiquette®, Genex®, Jencons®, Nichiryo®, Menarini® | | | | | | | |
| 100-1000µl |  | Blue | 7200012 7200012B 7200012R | | ● | Tips in bulk individually 96 tips rack | 10 x 1000 175 10 x 96 |
| 100-1000µl |  | Natural | 7200070 7200070R 7200070NR | ● | ● | Tips in bulk 96 tips rack 96 tips rack | 10 x 1000 10 x 96 10 x 96 |
| 100-1000µl | | With filter | 7327-30 7327-30R | ● | ● | Tips in bulk 96 tips rack | 10 x 1000 10 x 96 |
| 200-1000µl |  | Blue, Eppendorf® model | 6502002 | | | Tips in bulk 1000 | |

Note: Tips illustrated in 1 to 1 scale for better guidance

Universal Tips

| Volume range and size | Feature | Reference | Purity level | | Packaging | Pack unit |
|--|---|----------------------------------|--------------------------------|----------------|--|---------------------------------|
| | | | RNase, DNase endotoxin free | Pre-sterilised | | |
| Suitable (not exclusive): Gilson®, Eppendorf®, Dsg®, Elkay®, Finnpiquette®, Genex®, Jencons®, Nichiryo®, HTL® | | | | | | |
| 100-1000µl | Blue | 7200080.1 7200080.1R | | | Tips in bulk 96 tips rack | 10 x 1000 10 x 96 |
|  | | | | | | |
| 100-1000µl | Natural | 7200082 7200082R 7200082NR | • | • | Tips in bulk 96 tips rack 96 tips rack | 20 x 1000 10 x 96 10 x 96 |
|  | | | | | | |
| 100-1000µl | With Filter | 7200082F 7327-16 | • | • | Tips in bulk 96 tips rack | 10 x 1000 10 x 96 |
|  | | | | | | |
| Suitable (not exclusive): Eppendorf®, Dsg®, Genex®, Jencons®, Socorex® | | | | | | |
| 1-5ml | Eppendorf® macro tip, with collar | 7200075 7199075 | | | Tips in bulk 50 tips rack | 8 x 250 4 x 50 |
|  | | | | | | |
| 1-5ml | Eppendorf® macro tip, with collar and filter | 7200075RF | • | • | 50 tips rack | 4 x 50 |
|  | | | | | | |
| Suitable (not exclusive): Gilson®, Eppendorf®, Dsg®, Elkay®, Finnpiquette®, Genex®, Jencons®, Nichiryo®, Menarini® | | | | | | |
| 2-10µl | Gilson® macro tip, with collar | 7200015 7200015R | | • | Tips in bulk 25 tips rack | 10 x 1000 4 x 25 |
|  | | | | | | |
| 2-10µl | Gilson® macro tip, with collar and filter | 7200015RF | • | • | 25 tips rack | 4 x 25 |
|  | | | | | | |

Note: Tips illustrated in 1 to 1 scale for better guidance

For other capacities, sizes or models, please contact us:

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Summary Scope

Volumetric Flask

$5\text{ ml} \leq V \leq 5000\text{ ml}$

Burette with piston

$0,001\text{ ml} \leq V < 50\text{ ml}$

Burette without piston

$0,5\text{ ml} \leq V < 100\text{ ml}$

Pycnometer

$1\text{ ml} \leq V \leq 5000\text{ ml}$

Graduated pipette

$0,1\text{ ml} < V \leq 50\text{ ml}$

Volumetric pipette

$0,5\text{ ml} \leq V \leq 200\text{ ml}$

Measuring cylinder

$5\text{ ml} \leq V \leq 2000\text{ ml}$

Micropipette and macropipette

$0,1 \leq V \leq 20000\text{ }\mu\text{l}$

Dilutor and Dispenser

$1\text{ }\mu\text{l} \leq V \leq 200\text{ ml}$

Syringe and microsyringe

$1\text{ }\mu\text{l} \leq V \leq 100\text{ ml}$

Accreditation

- Calibrations performed by Normalab are recognised internationally
- Mutual recognition agreements available at:
<http://www.european-accreditation.org> and www.ilac.org
- IPAC is a signatory to the Agreement of mutual recognition of EA and ILAC
- Accreditation certificate available at **www.normax.pt**





06 HYGIENE AND SAFETY

Examination Gloves

- 204 . Examination glove Ruthe®
- 204 . Examination glove Sensiflex® Lite
- 204 . Examination glove Naturflex®
- 204 . Examination glove Dermoflex®
- 204 . Examination glove Sterile
- 205 . Examination glove Naturflex® (non sterile)

Surgical gloves

- 205 . Surgical glove Superflex®
- 205 . Surgical glove Naturflex®
- 206 . Surgical glove Naturflex® Gine
- 206 . Surgical glove Naturflex® Neo 2.0 Neoprene

Gloves (others)

- 206 . Safety gloves Superflex®
- 206 . Glove Anti-acid Solvex-plus

Face mask

- 206 . Face mask protection Naturcare®
- 207 . Face mask hygienic Naturcare®
- 207 . Face mask surgical Naturcare®
- 207 . Face mask hygienic Naturcare®

Other accessories

- 207 . Nurse cap
- 207 . Surgeon cap
- 208 . Sterile gown surgical Naturcare®
- 208 . Sterile gown Naturcare®
- 208 . Non sterile gown Naturcare®
- 208 . Surgical pyjama SMMS Naturcare®
- 209 . Surgical pyjama TST Naturcare®
- 209 . Apron Anti-acid DELNEO 125
- 209 . Bed cover resistant
- 209 . Bed cover adjustable
- 210 . Visitor gown
- 210 . Protection coverall
- 210 . Overshoes Naturcare®
- 210 . Shoe soles coater
- 211 . Safety storage cabinet
- 211 . Safety glasses CE (EPI)
- 211 . Emergency eye wash
- 212 . Emergency eye wash bottle low density polyethylene
- 212 . Antimicrobial mat
- 212 . Precut cellulose on roller
- 212 . Clifixe strips
- 212 . Surgical drape
- 212 . Surgical drape with Adhesive edging
- 213 . Surgical drape with fenestrated covers without adhesives
- 213 . Surgical drape with central adhesive opening



Examination glove Ruthe® CE

| Reference | Feature | Size | Pack unit |
|-----------|----------------------|------|-----------|
| 6505029 | Latex, Powder free | S | 10 x 100 |
| 6505030 | Latex, Powder free | M | 10 x 100 |
| 6505031 | Latex, Powder free | L | 10 x 100 |
| 6505074 | Nitrile, Powder free | S | 10 x 100 |
| 6505075 | Nitrile, Powder free | M | 10 x 100 |
| 6505076 | Nitrile, Powder free | L | 10 x 100 |



Examination glove Sensiflex® Lite CE

| Reference | Feature | Size | Pack unit |
|-----------|----------------------|------|-----------|
| BI147766 | Nitrile, powder free | XS | 10 x 200 |
| BI147767 | Nitrile, powder free | S | 10 x 200 |
| BI147768 | Nitrile, powder free | M | 10 x 200 |
| BI147769 | Nitrile, powder free | L | 10 x 200 |
| BI147770 | Nitrile, powder free | XL | 10 x 200 |



Examination glove Naturflex® CE

| Reference | Feature | Size | Pack unit |
|-----------|-----------------|------|-----------|
| BI118372 | Latex, powdered | XS | 10 x 100 |
| BI118341 | Latex, powdered | S | 10 x 100 |
| BI118342 | Latex, powdered | M | 10 x 100 |
| BI118343 | Latex, powdered | L | 10 x 100 |



Examination glove Dermoflex® CE

| Reference | Feature | Size | Pack unit |
|-----------|--------------------|------|-----------|
| BI133187 | Latex, powder free | XS | 10 x 100 |
| BI128045 | Latex, powder free | S | 10 x 100 |
| BI128044 | Latex, powder free | M | 10 x 100 |
| BI128043 | Latex, powder free | L | 10 x 100 |



Examination glove Sterile CE

| Reference | Feature | Size | Pack unit |
|-----------|----------------------|------|-----------|
| BI133914 | Nitrile, powder free | S | 6 x 50 |
| BI133916 | Nitrile, powder free | M | 6 x 50 |
| BI133915 | Nitrile, powder free | L | 6 x 50 |
| BI128913 | Latex, powder free | S | 6 x 50 |
| BI128914 | Latex, powder free | M | 6 x 50 |
| BI128915 | Latex, powder free | L | 6 x 50 |
| BI128918 | Latex, powdered | S | 6 x 50 |
| BI128919 | Latex, powdered | M | 6 x 50 |
| BI128920 | Latex, powdered | L | 6 x 50 |



Examination glove Naturflex® CE

Non-Sterile

| Reference | Feature | Size | Pack unit |
|-----------|--------------------|----------|-----------|
| BI130173 | Vynil, powder free | XS | 10 x 100 |
| BI124145 | Vynil, powder free | S | 10 x 100 |
| BI124144 | Vynil, powder free | M | 10 x 100 |
| BI124099 | Vynil, powder free | L | 10 x 100 |
| BI128629 | Vynil, powder free | XL | 10 x 100 |
| BI118530 | Vynil, powdered | XS | 10 x 100 |
| BI118527 | Vynil, powdered | S | 10 x 100 |
| BI118528 | Vynil, powdered | M | 10 x 100 |
| BI118529 | Vynil, powdered | L | 10 x 100 |
| BI122348 | Vynil, powdered | XL | 10 x 100 |
| BI100719 | Polyethylene | One size | 100 x 100 |



Surgical glove Superflex® CE

Sterile

| Reference | Feature | Size | Pack unit |
|-----------|---------------------------|------|-----------|
| BI148056 | Polyisoprene, powder free | 6 | 8 x 50 |
| BI148057 | Polyisoprene, powder free | 6,5 | 8 x 50 |
| BI148058 | Polyisoprene, powder free | 7 | 8 x 50 |
| BI148059 | Polyisoprene, powder free | 7,5 | 8 x 50 |
| BI148060 | Polyisoprene, powder free | 8 | 8 x 50 |
| BI148061 | Polyisoprene, powder free | 8,5 | 8 x 50 |



Surgical glove Naturflex® CE

Sterile

| Reference | Feature | Size | Pack unit |
|-----------|----------------------------|------|--------------|
| BI130849 | Latex, powder free | 5,5 | 8 x 50 |
| BI130850 | Latex, powder free | 6 | 8 x 50 |
| BI130851 | Latex, powder free | 6,5 | 8 x 50 |
| BI130852 | Latex, powder free | 7 | 8 x 50 |
| BI130853 | Latex, powder free | 7,5 | 8 x 50 |
| BI130854 | Latex, powder free | 8 | 8 x 50 |
| BI130855 | Latex, powder free | 8,5 | 8 x 50 |
| BI130856 | Latex, powder free | 9 | 8 x 50 |
| BI129131 | Latex, powdered | 5,5 | 8 x 50 |
| BI129100 | Latex, powdered | 6 | 8 x 50 |
| BI129101 | Latex, powdered | 6,5 | 8 x 50 |
| BI129102 | Latex, powdered | 7 | 8 x 50 |
| BI129103 | Latex, powdered | 7,5 | 8 x 50 |
| BI129104 | Latex, powdered | 8 | 8 x 50 |
| BI129105 | Latex, powdered | 8,5 | 8 x 50 |
| BI129106 | Latex, powdered | 9 | 8 x 50 |
| BI130579 | EVA Copolymer, powder free | S | 24 x 100 x 1 |
| BI130580 | EVA Copolymer, powder free | M | 24 x 100 x 1 |
| BI130581 | EVA Copolymer, powder free | L | 24 x 100 x 1 |

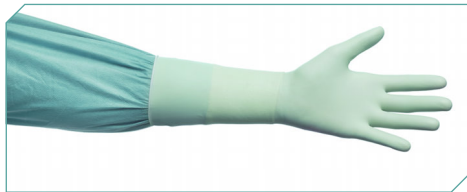




Surgical glove Naturflex® Gine CE

Sterile

| Reference | Feature | Size | Pack unit |
|-----------|--------------------|------|-----------|
| BI129114 | Latex, powder free | 6,5 | 4 x 25 |
| BI129115 | Latex, powder free | 7,5 | 4 x 25 |
| BI129116 | Latex, powder free | 8,5 | 4 x 25 |



Surgical glove Naturflex® Neo 2.0 Neoprene CE

Sterile, Latex free

| Reference | Feature | Size | Pack unit |
|-----------|-------------|------|-----------|
| BI147055 | Powder free | 6 | 8 x 50 |
| BI147056 | Powder free | 6,5 | 8 x 50 |
| BI147057 | Powder free | 7 | 8 x 50 |
| BI147058 | Powder free | 7,5 | 8 x 50 |
| BI147059 | Powder free | 8 | 8 x 50 |
| BI147060 | Powder free | 8,5 | 8 x 50 |



Safety gloves Superflex® CE (EPI)

Withstands temperatures from -55° C up to 260 °C

| Reference | Feature | Size | Pack unit |
|-----------|-----------|------|-----------|
| 719270 | 190 x 100 | 1 | 1 |



Glove Anti-acid Solvex-plus CE (EPI)

Nitrile

| Reference | Feature | Size | Pack unit |
|-----------|-----------------------------|------|-----------|
| S5000044 | 32 cm length, universal fit | 1 | 1 |



Face mask protection Naturcare® CE (EPI)

| Reference | Feature | Protection level | Pack unit |
|-----------|---------------------------|------------------|-----------|
| BI130103 | horizontal with valves | FFP1 | 20 x 12 |
| BI129766 | horizontal with valves | FFP2 | 20 x 12 |
| BI128949 | horizontal with valves | FFP3 | 20 x 12 |
| BI128946 | horizontal without valves | FFP1 | 20 x 20 |
| BI129765 | horizontal without valves | FFP2 | 20 x 20 |
| BI128943 | conical without valves | FFP2 | 20 x 20 |
| BI128944 | conical with valves | FFP2 | 20 x 12 |
| BI128945 | conical with valves | FFP3 | 20 x 6 |
| BI129755 | vertical without valves | FFP2 | 20 x 20 |
| BI129758 | vertical with valves | FFP2 | 20 x 12 |

Face mask hygienic Naturcare®

| Reference | Feature | Pack unit |
|-----------|------------------------------|-----------|
| BI128940 | paper, with ear loops, white | 100 x 100 |



Face mask surgical Naturcare®

Type IIR, 3 layers

| Reference | Feature | Colour | Pack unit |
|-----------|----------|--------|-----------|
| BI128932 | Ear loop | Green | 20 x 50 |
| BI128933 | Ear loop | Blue | 20 x 50 |
| BI128934 | Ear loop | White | 20 x 50 |
| BI128935 | Tie-on | Green | 20 x 50 |
| BI128936 | Tie-on | Blue | 20 x 50 |
| BI128937 | Tie-on | White | 20 x 50 |



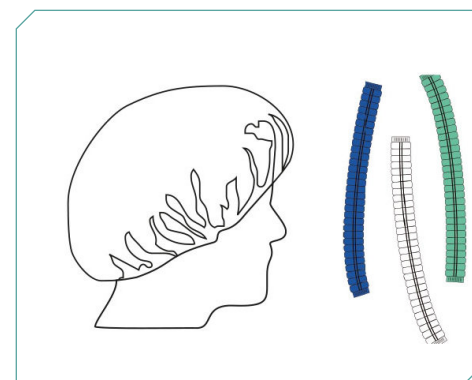
Face mask hygienic Naturcare®

| Reference | Feature | Colour | Pack unit |
|-----------|------------------|--------|-----------|
| BI128931 | em PP, ear loops | White | 20 x 50 |
| BI128950 | em PP, ear loops | Green | 20 x 50 |



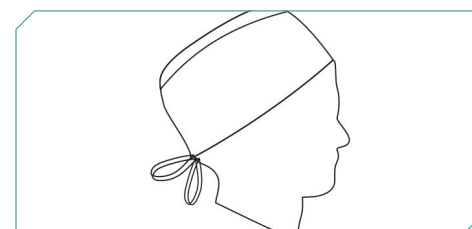
Nurse cap

| Reference | Feature | Colour | Pack unit |
|-----------|---------|--------|-----------|
| BI134224 | PP 14 g | blue | 10 x 100 |
| BI127799 | PP 14 g | white | 10 x 100 |
| BI131033 | PP 14 g | green | 10 x 100 |
| BI148957 | PP 15 g | blue | 10 x 100 |
| BI148958 | PP 15 g | white | 10 x 100 |
| BI148959 | PP 15 g | green | 10 x 100 |



Surgeon cap

| Reference | Feature | Colour | Pack unit |
|-----------|-----------------|--------|-----------|
| BI130033 | tie-on, PP 25 g | green | 10 x 100 |
| BI130813 | tie-on, PP 25 g | blue | 10 x 100 |

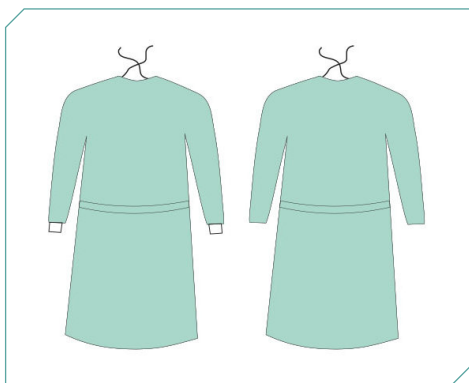




Sterile gown surgical Naturcare®

Latex free, individual package

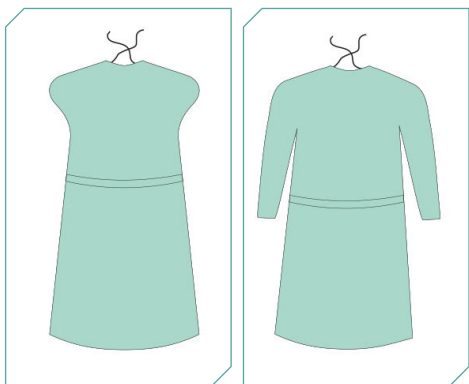
| Reference | Feature | Size | Pack unit |
|-----------|------------|------|-----------|
| BI564431 | - | M | 32 |
| BI564433 | - | L | 32 |
| BI564436 | - | XL | 32 |
| BI564491 | - | XXL | 32 |
| BI564430 | reinforced | S | 32 |
| BI564432 | reinforced | M | 32 |
| BI564434 | reinforced | L | 32 |
| BI564437 | reinforced | XL | 32 |
| BI564492 | reinforced | XXL | 32 |



Sterile gown Naturcare®

Latex free, individual package

| Reference | Feature | Colour | Weight (g) | Pack unit |
|-----------|----------------------|--------|------------|-----------|
| BI128564 | polyester cuff, 30 g | green | 30 | 50 |
| BI140698 | polyester cuff, 25 g | blue | 25 | 50 |
| BI128656 | elastic cuff, 20g | green | 20 | 50 |
| BI130393 | waterproof, level 4 | green | 30 + 25 PE | 50 |

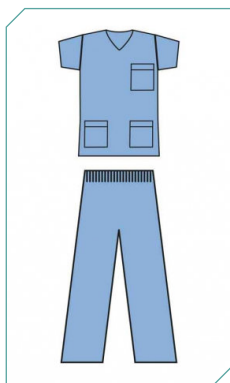


Non sterile gown Naturcare®

Latex free

| Reference | Feature | Colour | Weight (g) | Pack unit |
|-----------|-------------------------|--------|------------|-----------|
| BI122516* | sleeveless, PP, 40 g | white | 40 | 100 |
| BI122517* | sleeveless, PP, 30 g | green | 30 | 100 |
| BI132079* | sleeveless, PP, 50 g | green | 50 | 100 |
| BI126964* | waterproof | green | 30 + 15 PE | 100 |
| BI114116 | elastic cuff, PP 20 g | green | 20 | 10 x 10 |
| BI140416 | elastic cuff, PP 20 g | blue | 20 | 10 x 10 |
| BI128410 | polyester cuff, PP 30 g | green | 30 | 10 x 10 |
| BI132508 | polyester cuff, PP 30 g | blue | 30 | 10 x 10 |

*individual package



Surgical pyjama SMMS Naturcare®

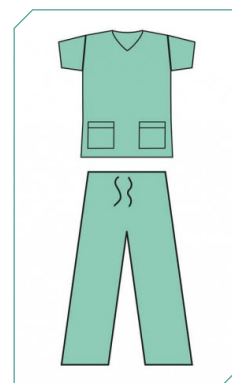
Non sterile, short sleeve

| Reference | Colour | Size | Pack unit |
|-----------|--------|------|-----------|
| BI140499 | blue | XS | 50 |
| BI140315 | blue | S | 50 |
| BI140316 | blue | M | 50 |
| BI140317 | blue | L | 50 |
| BI140318 | blue | XL | 50 |
| BI140319 | blue | 2XL | 50 |
| BI140320 | blue | 3XL | 50 |
| BI140321 | blue | 4XL | 50 |

Surgical pyjama TST Naturcare®

Non sterile, short sleeve

| Reference | Colour | Size | Pack unit |
|-----------|--------|------|-----------|
| BI141161 | green | S | 50 |
| BI141162 | green | M | 50 |
| BI140704 | green | L | 50 |
| BI140705 | green | XL | 50 |
| BI140706 | green | 2XL | 50 |



Apron Anti-acid DELNEO 125

Conforms to EN 342 and EN 511 standards

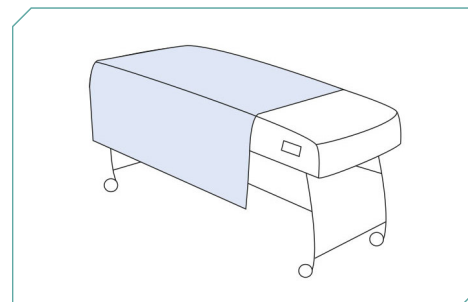
| Reference | Height (cm) | Pack unit |
|-----------|-------------|-----------|
| S5000045 | 125 | 1 |



Bed cover resistant

Latex free

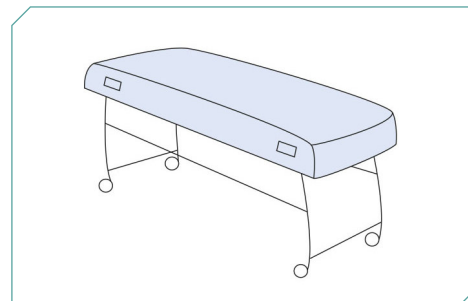
| Reference | Size (cm) | Feature | Colour | Pack unit |
|-----------|-----------|-----------|--------|-----------|
| BI122932 | 100 x 220 | PP 20 g | white | 150 |
| BI117551 | 150 x 230 | PP 20 g | white | 100 |
| BI123443 | 75 x 100 | PP 30 g | white | 200 |
| BI138567 | 220 x 130 | PP 40 g | white | 100 |
| BI134624 | 100 x 220 | PP 20 g | green | 150 |
| BI127850 | 75 x 200 | PP 30 g | green | 100 |
| BI139254 | 80 x 100 | PP 40 g | blue | 100 |
| BI141646 | 75 x 190 | laminated | white | 200 |

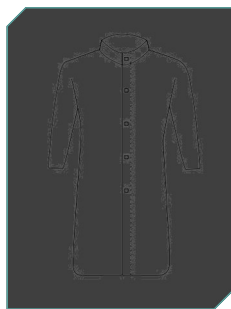


Bed cover adjustable

Latex free

| Reference | Size (cm) | Feature | Colour | Pack unit |
|-----------|-----------|---------|--------|-----------|
| BI128117 | 80 x 210 | PP 20 g | white | 100 |
| BI128112 | 80 x 210 | PP 40 g | white | 100 |
| BI128098 | 95 x 220 | PP 20 g | white | 100 |
| BI128143 | 95 x 220 | PP 40 g | white | 100 |

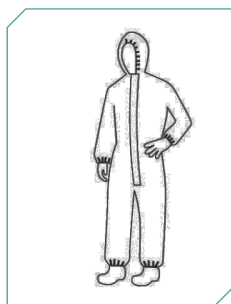




Visitor gown

Latex free

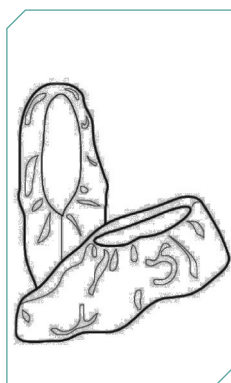
| Reference | Feature | Size | Colour | Pack unit |
|-----------|---------|------|--------|-----------|
| BI139715 | PP 30 g | M | white | 50 |
| BI123086 | PP 30 g | L | white | 50 |
| BI129038 | PP 30 g | XL | white | 50 |



Protection coverall

Latex free

| Reference | Feature | Size | Colour | Pack unit |
|-----------|------------|------|--------|-----------|
| BI124922 | category 1 | M | white | 50 |
| BI124490 | category 1 | L | white | 50 |
| BI123565 | category 1 | XL | white | 50 |



Overshoes Naturcare®

Non sterile, disposable, one size

| Reference | Feature | Colour | Pack unit |
|-----------|----------------|------------|-----------|
| BI126331 | TNT 30 g | green | 10 x 100 |
| BI132529 | TNT 30 g | blue | 10 x 100 |
| BI122026 | TNT 30 g | white | 10 x 100 |
| BI116071 | Plastic 20 g | green | 20 x 100 |
| BI126332* | TNT + CPE 40 g | white/blue | 10 x 50 |
| BI131111* | CPE 30 g | blue | 20 x 100 |

*Slip-resistant sole, waterproof



Shoe soles coater

Automatic

| Reference | Feature | Pack unit |
|-----------|-------------------------------|-----------|
| S5000051 | 33 x 45 x 80 cm, power 1300 W | 1 |
| S5000052 | PVC coil for 1000 coatings | 1 |

Safety storage cabinet

Automatic

| Description | Feature |
|----------------------|---|
| SAFETYBOX® and SICUR | inflammable |
| SAFETYBOX® | Chemical, acids and bases |
| SICUR KEM | Chemical and toxic not very aggressive substances |
| KEMFIRE | Inflammable + chemical, acids and base products |
| SAFETYBOX® | Compressed gases |
| PHYTOSAFETY | For the storage of phytopharmaceuticals, pesticides and phytosanitary |



Safety glasses CE (EPI)

Polycarbonate

| Reference | Thickness (mm) | Feature | Lenses | Pack unit |
|-----------|----------------|---------------------------------------|--|-----------|
| 719385* | 1 | With lateral vents | scratch resistant, antifogging, antistatic and protect against UV rays | 5 |
| 719386** | 2 | Can be worn over conventional glasses | scratch resistant | 6 |

*EN 166

**EN 166, EN 167, EN 168, EN 169, EN 170, EN 171 and EN 172



Emergency eye wash

Pedestal type to be fixed on the floor

| Reference | Feature | Pack Unit |
|-----------|------------------------|-----------|
| A64000359 | stainless steel | 1 |
| A64000358 | stainless steel shower | 1 |



Emergency eye wash bottle low density polyethylene

The eyecup has a perforated plate to break up the stream providing a gentle spray to the eye. A capped air vent valve prevents drawback of contaminated eye wash into bottle. Contaminated wash exits through a drain tube, which rotates in any direction.

| Reference | Capacity (L) | Pack unit |
|-----------|--------------|-----------|
| 719384* | 1 | 1 |

*supplied empty





Antimicrobial mat

Multi-layer

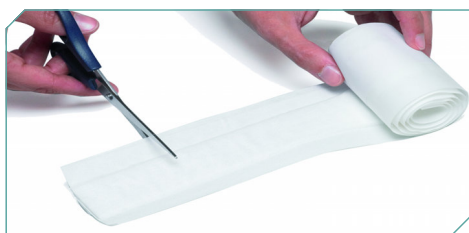
| Reference | Size (cm) | Bathmat x sheets | Pack unit |
|-----------|--------------|------------------|-----------|
| BI149651 | 90/95 x 45 | 5 x 30 | 1 |
| BI149065 | 115/120 x 45 | 5 x 30 | 1 |
| BI149067 | 90/95 x 60 | 5 x 30 | 1 |
| BI149066 | 115/120 x 60 | 5 x 30 | 1 |
| BI149068 | 115/120 x 90 | 5 x 30 | 1 |



Precut cellulose on roller

Novamed cellulose

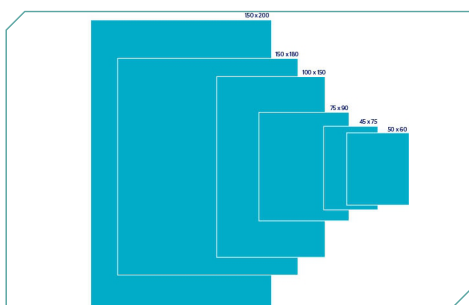
| Reference | Feature | Pack unit |
|-----------|----------------------------------|-----------|
| BI127310 | 1 individual bag (2 rolls x 500) | 10 x 1000 |



Clifixe strips

Sterile, Latex free

| Reference | Size | Pack unit |
|-----------|--------------|-----------|
| BI144709 | 4,8 m x 7 cm | 10 x 7 |

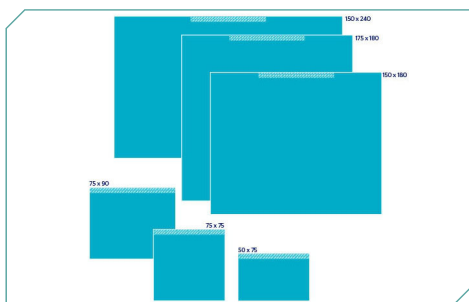


Surgical drape

2 aquable layers, EN 13795

| Reference | Size (cm) | Pack unit |
|-----------|-----------|-----------|
| BI908856 | 50 x 60 | 1 |
| BI908825 | 45 x 75 | 1 |
| BI908824 | 75 x 90 | 1 |
| BI908823 | 100 x 150 | 1 |
| BI908821 | 150 x 180 | 1 |

- High level of protection against microorganisms and fluids.
- Adhesive free



Surgical drape with Adhesive edging

2 aquable layers, latex free, EN 13795

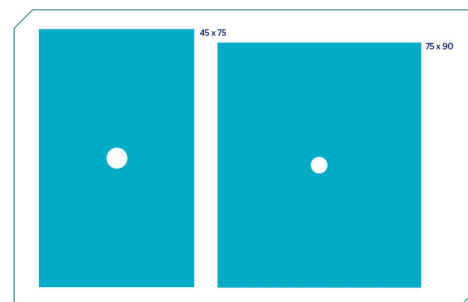
| Reference | Size (cm) | Pack unit |
|-----------|-----------|-----------|
| BI938821 | 75 x 75 | 1 |
| BI938823 | 75 x 90 | 1 |
| BI938805 | 150 x 180 | 1 |
| BI938806 | 175 x 180 | 1 |
| BI938807 | 150 x 240 | 1 |

- High level of protection against microorganisms and fluids.
- Minimises the risk of skin irritation: hypoallergenic acrylic adhesive
- Optimum support: prevents the passage of fluids

Surgical drape with fenestrated covers without adhesives

EN 13795

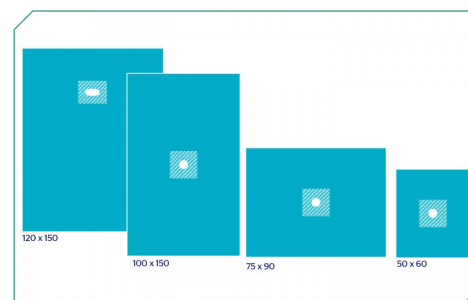
| Reference | Size (cm) | Pack unit |
|-----------|-----------|-----------|
| BI918821 | 45 x 75 | 1 |
| BI918822 | 75 x 90 | 1 |



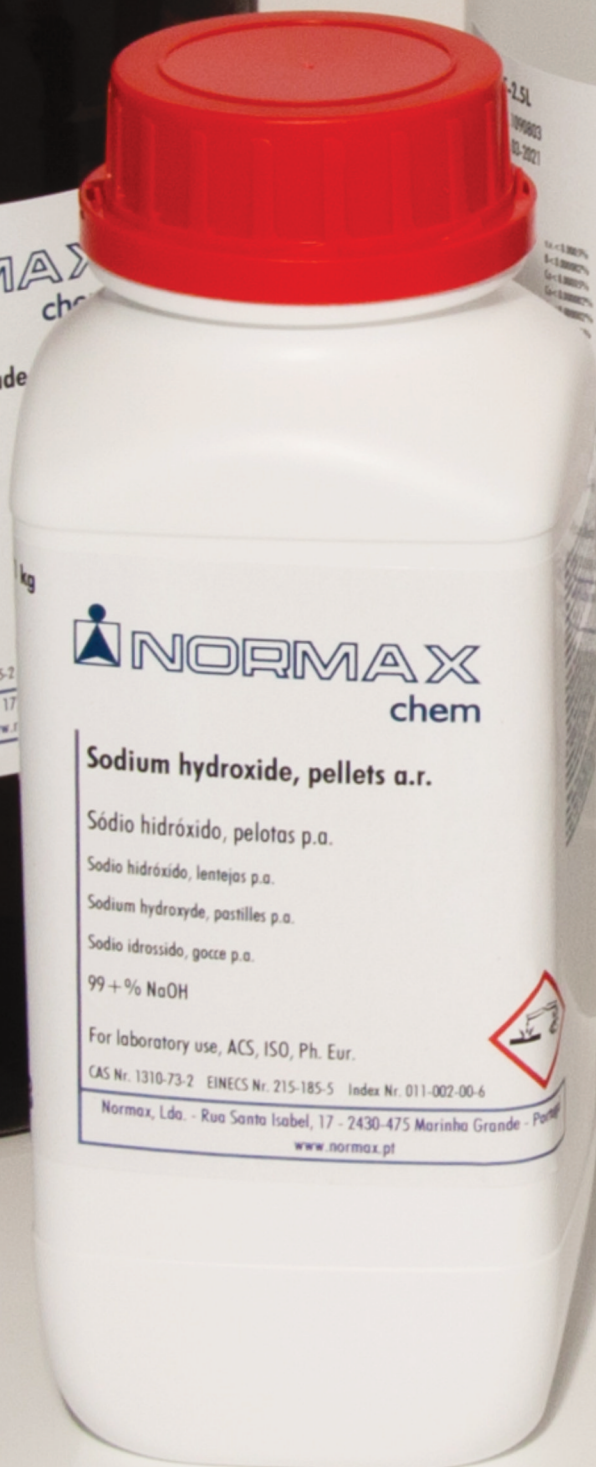
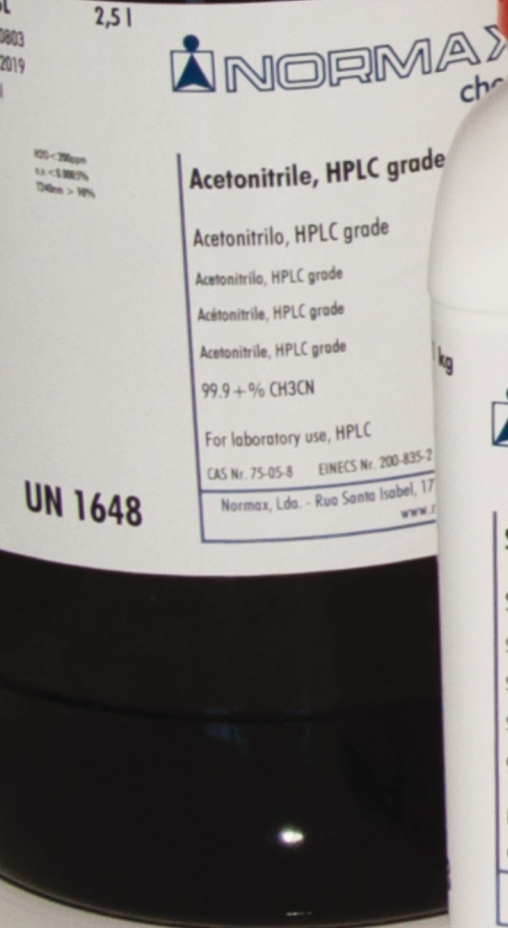
Surgical drape with central adhesive opening

EN 13795

| Reference | Size (cm) | Opening Size (cm) | Pack unit |
|-----------|-----------|-------------------|-----------|
| BI958823 | 50 x 60 | 6 | 1 |
| BI958972 | 75 x 90 | 6 | 1 |
| BI958974 | 100 x 150 | 7 | 1 |



- Minimises the risk of skin irritation: hypoallergenic acrylic adhesive
- Optimum support: prevents the passage of fluids



07 CHEMICALS AND MICROBIOLOGY

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- 222 . Scharlab chemicals for LC-MS & UHPLC-MS
- 223 . Multisolvent®
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- 233 . Supplements and Additives
- 232 . Antibiotic discs

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- 240 . Agar
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- 243 . Histopathology Stains
- 243 . Haematology stains
- 244 . Ancillary products

NORMAX
chem

en peroxide 30 weight %
a.r.

o peróxido 30 p/v % solução p.a.

róxido 30 p/v % solución p.a.

roxyde 30 poids % solution p.a.

drogeno 30 p/v % soluzione p.a.

2

ry use, Ph. Nord. (store cool)

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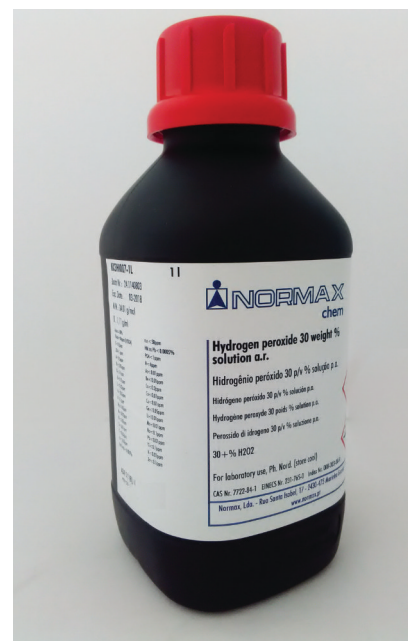
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|--------------|---|
| STD | Standard Grade: products for calibration of instruments |
| GLR | General Laboratory Reagent: products with the optimal quality for general use. |
| AGR | Analytical Grade: high quality reagents for analytical applications with low impurity level. |
| HPLC | High performance solvents for HPLC (High Pressure Liquid Chromatography) gradient quality. |
| XHPLC | Extrapure high performance solvents for HPLC gradient quality. |



2-Propanol (isopropanol)

CAS: 67-63-0 MW: 60.10 g/mol
ADR: 3, II

C_3H_8O

2-Propanol

| | | | | AGR | Reference | Packaging |
|----------------------------|-----------------------------------|---------------|---------------|-----|---------------|-----------|
| Assay > 99.8% | Non volatiles <0.0005% | Al <0.00005% | Cu <0.000002% | | | |
| Density: 0.78 g/ml | Reducing substances <0.0005% | B <0.000002% | Fe <0.00001% | | | |
| Water <0.1% | Residue after evaporation <0.001% | Ba <0.00001% | Mg <0.00001% | | | |
| EtOH <0.01% | | Ca <0.00005% | Ni <0.000002% | | NX3AL005-2.5L | 2.5 L |
| Methanol <0.01% | | Cd <0.000005% | Pb <0.00001% | | | |
| Acetone <0.002% | | Co <0.000002% | Sn <0.00001% | | | |
| Carbonyl compounds <0.002% | | Cr <0.000002% | Zn <0.00001% | | | |

Acetone

CAS: 67-64-1 MW: 58.08 g/mol
ADR: 3, II

C_3H_6O

Acetone

| | | | | AGR | Reference | Packaging |
|---------------------|--|---------------|---------------|-----|---------------|-----------|
| Assay > 99.5% | Formaldehyde <0.0002% | Pb <0.000001% | Zn <0.000001% | | | |
| Density: 0.791 g/ml | Methanol <0.01% | Cu <0.000001% | Mg <0.00001% | | NX3AC001-1L | 1L |
| Free acid <0.002% | Non volatiles <0.001% | Ni <0.000005% | | | | |
| Free alkali <0.001% | Reducing substances <0.00025% (permanganate) | Co <0.000005% | | | | |
| Water <0.2% | Non volatiles <0.001% | Fe <0.00001% | | | | |
| EtOH <0.01% | Residue after evaporation <0.001% | Mn <0.000001% | | | NX3AC001-2.5L | 2,5L |

Acetonitrile

CAS: 75-05-8 MW: 41.05 g/mol
ADR: 3, II

HC_3CN

Acetonitrile

| | | | | HPLC | Reference | Packaging |
|----------------------|----------------------------|--|--|------|---------------|-----------|
| Assay > 99.9% | | | | | | |
| Density: 0.781 g/ml | Non volatiles <0.001% | | | | | |
| Water <200ppm | Transmittance @ 240nm >98% | | | | NX3AC002-2.5L | 2,5L |
| Acidity <0.0005meq/g | Transmittance @ 250nm >99% | | | | | |

Acetonitrile

| | | | | XHPLC | Reference | Packaging |
|----------------------|------------------------------|----------------------------|--|-------|---------------|-----------|
| Assay > 99.9% | Non volatiles <0.0005% | Transmittance @ 210nm >88% | | | | |
| Density: 0.781 g/ml | UV absorbance @ 254nm <0.001 | Transmittance @ 220nm >94% | | | | |
| Water <150ppm | Transmittance @ 195nm >70% | Transmittance @ 230nm >98% | | | NX3AC003-2.5L | 2,5L |
| Acidity <0.0005meq/g | Transmittance @ 200nm >80% | Transmittance @ 240nm >99% | | | | |

Acetic acid glacial

CAS: 64-19-7

MW: 60.05 g/mol

 CH_3COOH

ADR: 8 (3), II

Acetic acid glacial

| | | | | AGR | Reference | Packaging |
|-----------------------|--|---------------|---------------|-----|---------------|-----------|
| Assay > 99.8% | Non volatiles <0.001% | Pb <0.000001% | Mn <0.000001% | | | |
| Density: 1.05 g/ml | Reducing substances <0.00025% (permanganate) | Cu <0.000001% | Zn <0.000001% | | | |
| Water <0.15% | Non volatiles <0.001% | Ni <0.000005% | Mg <0.00001% | | | |
| Formaldehyde <0.0002% | Residue after evaporation <0.001% | Co <0.000005% | | | NX3AC014-2.5L | 2.5 L |
| Methanol <0.01% | | Fe <0.00001% | | | | |

Ammonia solution

CAS: 1336-21-6

MW: 17.03 g/mol

 NH_3

ADR: 8, III

Ammonia solution

| | | | | | AGR | Reference | Packaging |
|-----------------------------------|---------------|---------------|---------------|---------------------|-----|---------------|-----------|
| Assay > 25% (as NH_3) | Ag <0.000002% | Fe <0.00001% | Ni <0.000005% | Carbonate <0,001% | | | |
| Density: 0.91 g/ml | Au <0.00001% | Ga <0.000002% | Pb <0.000005% | Chloride <0.00005% | | | |
| ±250 g NH_3 /Kg | Ba <0.00001% | In <0.000002% | Pt <0.00001% | Phosphate <0.00005% | | | |
| Residue after evaporation <0.002% | Bi <0.00001% | K <0.0001% | S <0.0002% | Sulfate <0.0002% | | | |
| Reducing substances <0.0005% | Ca <0.0001% | Li <0.000002% | Sn <0.00001% | Silicate <0.001% | | NX3AM024-2.5L | 2,5L |
| Non volatiles <0.002% | Cd <0.000005% | Mg <0.00005% | Sr <0.0001% | | | | |
| | Co <0.00001% | Mn <0.00001% | Ti <0.00001% | | | | |
| | Cr <0.000005% | Mo <0.00001% | Tl <0.000005% | | | | |
| | Cu <0.00001% | Na <0.0001% | Zn <0.00001% | | | | |

Chloroform

CAS: 1336-21-6

MW: 17.03 g/mol

 CHCl_3

ADR: 8, III

Chloroform

| | | | | | AGR | Reference | Packaging |
|--|---------------|---------------|---------------------------|----------------------------|-----|---------------|-----------|
| Assay > 99.5% | Al <0.00005% | Cr <0.000002% | Pb <0.000005% | Carbonyl compounds <0.005% | | | |
| Density: 1.49 g/ml | B <0.000002% | Cu <0.000002% | Sn <0.00001% | Dichloromethane <0.01 | | | |
| 99.5+% CHCl_3 (stab. w/amylene) | Ba <0.00001% | Fe <0.00001% | Zn <0.00001% | Carbontetrachloride <0.01% | | | |
| Water <0.01% | Ca <0.00005% | Mg <0.00001% | Chloride <0.0001% | Tetrachloroethylene <0.01% | | | |
| Non volatiles <0.001% | Cd <0.000005% | Mn <0.000002% | Free chlorine <0.00001% | Trichloroethylene <0.01% | | NX3AM021-2.5L | 2,5L |
| | Co <0.000002% | Ni <0.000002% | Aldehydes&Ketones <0.005% | Free acid <0.00005% | | | |
| | Cr <0.000005% | Mo <0.00001% | Tl <0.000005% | | | | |
| | Cu <0.00001% | Na <0.0001% | Zn <0.00001% | | | | |

Hydrochloric acid

CAS: 7647-01-0

MW: 36.46 g/mol

HCl

ADR: 8, III

Hydrochloric acid 0.1M (0.1N)

| | | | | GLR | Reference | Packaging |
|--------------------|--|--|--|-----|-------------|-----------|
| Density: 1.00 g/ml | | | | | NX3AC004-1L | 1L |
| | | | | | NX3AC004-5L | 5L |

Hydrochloric acid 1M (1N)

| | | | | GLR | Reference | Packaging |
|--------------------|--|--|--|-----|-------------|-----------|
| Density: 1.02 g/ml | 36.461 g HCl/L H_2O = 1 N ($\pm 0.002/20^\circ\text{C}$) | | | | NX3AC022-1L | 1L |

Hydrochloric acid 37%

| | | | | AGR | Reference | Packaging |
|---------------------------------|---------------|-------------------------|------------------|-----|---------------|-----------|
| Assay >37% | As <0.000005% | Pb <0.000005% | Sulfite <0.0002% | | | |
| Density: 1.19 g/ml | Cd <0.000001% | Zn <0.0001% | Sulfate <0.0001% | | NX3AC020-2.5L | 2,5L |
| 37+% HCl | Cu <0.000005% | Ammonium <0.0003% | | | | |
| Residue after ignition <0.0005% | Fe <0.00005% | Free chlorine <0.00005% | | | | |

Hydrogen peroxide

CAS: 7722-84-1

MW: 34.01 g/mol

 H_2O_2

ADR: 5.1 (8), II

Hydrogen peroxide, 30% solution

| | | | | | | AGR | Reference | Packaging |
|--|-------------|-------------|-------------|-------------|------------------|-----|-------------|-----------|
| Assay >30% | Al <0.5ppm | Co <0.01ppm | Mg <0.05ppm | Ti <0.1ppm | Chloride <0.5ppm | | | |
| Density: 1.11 g/ml | As <0.01ppm | Cr <0.02ppm | Mn <0.01ppm | Tl <0.05ppm | Phosphate <1ppm | | | |
| 30+% H_2O_2 | Ba <0.05ppm | Cu <0.01ppm | Mo <0.02ppm | V <0.01ppm | Sulfate <1ppm | | | |
| Non volatiles <50ppm | Be <0.01ppm | Fe <0.05ppm | N <4ppm | Zn <0.05ppm | | | | |
| Free acid <40ppm (H_2SO_4) | Bi <0.1ppm | Ge <0.05ppm | Na <0.1ppm | Zr <0.1ppm | | | NX3HI007-1L | 1L |
| Residue after evaporation <0.005% | Ca <0.2ppm | K <0.1ppm | Pb <0.01ppm | | | | | |
| Heavy metals as lead (Pb) <0.0005% | Cd <0.01ppm | Li <0.01ppm | Sr <0.01ppm | | | | | |

Methanol

CAS: 67-56-1

MW: 32.04 g/mol

 CH_3OH

ADR: 3 (6.1), II

Methanol

| | | | | | | AGR | Reference | Packaging |
|--|----------------------------|---------------|---------------|----------------------|--|-----|---------------|-----------|
| Assay >99.8% | Free alkali <0.00005% | Al <0.00005% | Cu <0.000001% | Zn <0.00001% | | | | |
| Density: 0.79 g/ml | Free acid <0.002% | B <0.000002% | Fe <0.00001% | Chloride <0.00005% | | | | |
| Water <0.05% | Carbonyl compounds <0.005% | Ba <0.00001% | Mg <0.00001% | Sulfate <0.0001% | | | | |
| 99.8+% CH_3OH | | Ca <0.00005% | Mn <0.000001% | Acetaldehyde <0.001% | | | NX3ME023-2.5L | 2,5L |
| Residue after ignition <0.0005% | | Cd <0.000005% | Ni <0.000002% | Acetone <0.001% | | | | |
| Non volatiles <0.001% | | Co <0.000002% | Pb <0.000002% | Ethanol <0.1% | | | | |
| Reducing substances <0.00025% (permanganate) | | Cr <0.000002% | Sn <0.00001% | Formaldehyde <0.01% | | | | |

Methanol

| | | | | | | HPLC | Reference | Packaging |
|-------------------------------|------------------------|----------------------------|--|--|--|------|---------------|-----------|
| Assay >99.8% | Water <500ppm | Transmittance @ 225nm >50% | | | | | | |
| Density: 0.79 g/ml | Acidity <0.0005meq/g | Transmittance @ 240nm >80% | | | | | NX3ME010-2.5L | 2,5L |
| 99.8+% CH_3OH | Non volatiles <0.0005% | Transmittance @ 280nm >98% | | | | | | |

Nitric acid

CAS: 7697-37-2

MW: 63.01 g/mol

 HNO_3

ADR: 8 (5.1), II

Nitric acid

| | | | | | | HPLC | Reference | Packaging |
|---------------------------------|---------------|--------------------|---------------------|--|--|------|---------------|-----------|
| Assay >65% | As <0.000001% | Fe <0.00002% | Phosphate <0.00005% | | | | | |
| Density: 1.02 g/ml | Ca <0.0001% | Pb <0.000005% | Sulfate <0.0001% | | | | NX3AC019-2.5L | 2,5L |
| 65+% HNO_3 | Cd <0.000001% | Zn <0.00001% | | | | | | |
| Residue after ignition <0.0005% | Cu <0.000005% | Chloride <0.00005% | | | | | | |

pH standard solutions**pH standard solution = 4.00**

| | | | | | | STD | Reference | Packaging |
|---|-----------------|-----------------|-----------------|-----------------|--|-----|-------------|-----------|
| Density: 1.01 g/ml | pH= 4.03 @ 0°C | pH= 4.00 @ 25°C | pH= 4.00 @ 50°C | pH= 4.00 @ 80°C | | | | |
| Red colour | pH= 4.02 @ 10°C | pH= 4.00 @ 30°C | pH= 4.00 @ 60°C | pH= 4.00 @ 90°C | | | NX3SO016-1L | 1L |
| pH 4.00 ($\pm 0.02/20^\circ\text{C}$) Citrate-NaCl-NaOH | pH= 4.00 @ 20°C | pH= 4.00 @ 40°C | pH= 4.00 @ 70°C | | | | | |

pH standard solution = 7.00

| | | | | | | STD | Reference | Packaging |
|---|-----------------|-----------------|-----------------|-----------------|--|-----|-------------|-----------|
| Density: 1.01 g/ml | pH= 7.13 @ 0°C | pH= 6.99 @ 25°C | pH= 6.96 @ 50°C | pH= 6.98 @ 80°C | | | | |
| Yellow colour | pH= 7.05 @ 10°C | pH= 6.98 @ 30°C | pH= 6.96 @ 60°C | pH= 7.00 @ 90°C | | | NX3SO017-1L | 1L |
| pH 7.00 ($\pm 0.02/20^\circ\text{C}$) Phosphate | pH= 7.00 @ 20°C | pH= 6.97 @ 40°C | pH= 6.97 @ 70°C | | | | | |

pH standard solution = 10.00

| | | | | | | STD | Reference | Packaging |
|--|------------------|-----------------|-----------------|-----------------|--|-----|-------------|-----------|
| Density: 1.01 g/ml | pH= 10.24 @ 0°C | pH= 9.95 @ 25°C | pH= 9.75 @ 50°C | pH= 9.55 @ 80°C | | | | |
| Blue colour | pH= 10.10 @ 10°C | pH= 9.90 @ 30°C | pH= 9.68 @ 60°C | pH= 9.49 @ 90°C | | | NX3SO018-1L | 1L |
| pH 10.00 ($\pm 0.02/20^\circ\text{C}$) H_3BO_3 -KCl-NaOH | pH= 10.00 @ 20°C | pH= 9.82 @ 40°C | pH= 9.62 @ 70°C | | | | | |

Potassium hydroxide

CAS: 1310-58-3

MW: 56.11 g/mol

KOH

ADR: 8, II

Potassium hydroxide, pellets

| | | | | | AGR | Reference | Packaging |
|--------------------|------------|-------------|-------------------------|------------------------------------|-----|---------------|-----------|
| Assay >85% | Al <0.001% | Fe <0.0005% | Pb <0.001% | Silicate <0.005% | | | |
| Density: 2.04 g/ml | Ca <0.001% | Cd <0.0001% | Zn <0.001% | Sulfate <0.0005% | | NX3PO011-1 KG | 1Kg |
| 85+% KOH | Mg <0.001% | Cu <0.0001% | Potassium carbonate <1% | Heavy metals as lead (Pb) <0.0005% | | | |
| | Na <0.5% | Cr <0.0001% | Chloride <0.0005% | | | | |
| | N <0.0005% | Ni <0.0001% | Phosphate <0.0005% | | | | |

Sodium chloride

CAS: 7647-14-5

MW: 58.44 g/mol

NaCl

Sodium chloride

| | | | | | AGR | Reference | Packaging |
|--------------------------------|--------------|-------------|--------------------|--|-----|----------------|-----------|
| Assay >99.8% | As <0.00005% | Mg <0.0005% | Bromide <0.005% | Total nitrogen <0.001% | | | |
| Density: 2.17 g/ml | Ba <0.001% | Pb <0.0003% | Copper <0.0002% | Potassium hexacyanoferrate (II) <0.0001% | | NX3ASO006-1 KG | 1Kg |
| 99.8+% NaCl | Ca <0.002% | I <0.001% | Phosphate <0.0005% | Heavy metals as lead (Pb) <0.0005% | | | |
| pH= 5 to 8 (5% solution @25°C) | Fe <0.0001% | | Sulfate <0.001% | Loss on drying <0.2% | | | |
| Non solubles <0.005% | K <0.005% | | | | | | |

Sodium hydroxide

CAS: 7647-14-5

MW: 58.44 g/mol

NaOH

Sodium hydroxide 0.1M (0.1N)

| | | | | | AGR | Reference | Packaging |
|---------------------|--|--|--|--|-----|-------------|-----------|
| Density: 1.01 g/mol | 4 g NaOH/L H ₂ O = 0.1 N (±0.0002/20°C) | | | | | NX3SO008-1L | 1L |

Sodium hydroxide 1M (1N)

| | | | | | AGR | Reference | Packaging |
|---------------------|--|--|--|--|-----|-------------|-----------|
| Density: 1.04 g/mol | 40 g NaOH/L H ₂ O = 1 N (±0.002/20°C) | | | | | NX3SO009-1L | 1L |

Sodium hydroxide, pellets

| | | | | | AGR | Reference | Packaging |
|---------------------------------|-------------|---------------|------------------------------------|----------------------|-----|--------------|-----------|
| Assay >99% | Al <0.0005% | Hg <0.000005% | Pb <0.001% | Sodium carbonate <1% | | | |
| Density: 2.13 g/cm ³ | As <0.0001% | N <0.0003% | Zn <0.0005% | Chloride <0.0005% | | NX3SO015-1KG | 1Kg |
| 99+% NaOH | Ca <0.0005% | K <0.02% | N <0.0003% | Phosphate <0.0005% | | | |
| | Cu <0.0002% | Mg <0.0005% | Heavy metals as lead (Pb) <0.0005% | Silicate <0.001% | | | |
| | Fe <0.0005% | Ni <0.0005% | | Sulfate <0.0005% | | | |

Sodium sulfate

CAS: 7757-82-6

MW: 98.08 g/mol

Na₂SO₄

Sodium sulfate

| | | | | | AGR | Reference | Packaging |
|--------------------------------------|-------------------------------|-------------|------------|------------------------------------|-----|--------------|-----------|
| Assay >99% | Loss on ignition <0.5% @600°C | As <0.0001% | N <0.0005% | Heavy metals as lead (Pb) <0.0005% | | | |
| Density: 2.70 g/ml | Free acid <0.05% | Ca <0.002% | Mg <0.001% | Chloride <0.001% | | NX3SO012-1KG | 1Kg |
| 99+% Na ₂ SO ₄ | Free alkali <0.03% | Fe <0.0005% | Zn <0.01% | Phosphate <0.002% | | | |
| pH: 5 to 8 (5% solution @25°C) | Non solubles <0.01% | K <0.01% | | Sulfate <0.1% | | | |

Sulfuric acid

CAS: 7664-93-9

MW: 98.08 g/mol

H₂SO₄

ADR: 8, II

Sodium acid

| | | | | | AGR | Reference | Packaging |
|---------------------------------------|---------------------------------|---------------|---------------------|--|-----|---------------|-----------|
| Assay: 95-97% | Residue after ignition <0.0005% | As <0.000003% | Pb <0.00001% | | | | |
| Density: 1.84 g/ml | Reducing substances <0.0002% | Se <0.0003% | Zn <0.00001% | | | NX3AC013-2.5L | 2,5L |
| 95-97% H ₂ SO ₄ | | Cd <0.00001% | Chloride <0.000005% | | | | |
| | | Cu <0.00001% | Nitrate <0.00002% | | | | |
| | | Fe <0.00002% | Ammonium <0.0001% | | | | |



Scharlab Best Sales

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| | |
|------------------------|--|
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Chemical Oxygen Demand

| Reference | Feature | Package |
|-------------|--|---------|
| 8PO02201000 | Potassium dichromate, reagent grade, ACS | 1 Kg |
| 8PL00722500 | Silver sulfate, sol. 1% in sulfuric acid | 2.5 L |
| 8AC20751000 | Sulfuric acid 4M (8N) | 1 L |

Chemicals for Food Analysis

| Reference | Feature | Package |
|-------------|-------------------------------------|---------|
| 8AC05781000 | Boric acid, reagent grade | 1 Kg |
| 8AC07521000 | Hydrochloric acid, solution 6M (6N) | 1 L |
| 8AC20642500 | Sulfuric acid, solution 90-91% | 2.5 L |
| 8AC2064005P | Sulfuric acid, solution 90-91% | 5 L |

Solvents/Reagent Grade

| Reference | Feature | Package |
|-------------|--|---------|
| 8AL01731000 | 1-Butanol, reagent grade | 1 L |
| 8GL00231000 | Glycerol, solution 86-88%, reagent grade | 1 L |
| 8ME03762500 | Isoamyl alcohol, reagent grade | 2.5 L |

Solvents/Synthesis Grade

| Reference | Feature | Package |
|-------------|---------------------------|---------|
| 8ET01112500 | Diethyl ether, stabilized | 2.5 L |
| 8ME04902500 | Methyl isobutyl ketone | 2.5 L |

Volumetric Solutions

| Reference | Feature | Package |
|-------------|--|---------|
| 8AC09701000 | Ethylenediaminetetraacetic acid, EDTA, disodium salt, solution 0,1 mol/l (0,2 N) | 1 L |
| 8HY00011000 | Hyamine 1622, solution 0,004 mol/l | 1 L |
| 8YO00231000 | Iodine, solution 0,05 mol/l (0,1 N) | 1 L |
| 8PO03361000 | Potassium permanganate, solution 0,02 mol/l (0,1 N) | 1 L |
| 8PO03751000 | Potassium thiocyanate, solution 0,1 mol/l (0,1 N) | 1 L |
| 8PL00551000 | Silver nitrate, solution 0,1 mol/l (0,1 N) | 1 L |
| 8AC20821000 | Sulfuric acid, solution 0,05 mol/l (0,1 N) | 1 L |

Inorganic Reagents/Compounds

| Reference | Feature | Package |
|-------------|---|---------|
| 8AL0745025P | Aluminium potassium sulfate dodecahydrate, extra pure | 25 Kg |
| 8AM02731000 | Ammonium chloride, reagent grade, ACS | 1 Kg |
| 8AC17601000 | Perchloric acid, 70%, reagent grade, ACS | 1 L |
| 8PO02001000 | Potassium chloride, reagent grade | 1 Kg |
| 8PO03651000 | Potassium sulfate, reagent grade, ACS | 1 Kg |
| 8AR01001000 | Sea sand, washed, thin | 1 Kg |
| 8SO04151000 | Sodium hexametaphosphate, extra pure | 1 Kg |
| 8SO01311000 | Sodium hydrogen carbonate, reagent grade, ACS, ISO | 1 Kg |
| 8SO0424005P | Sodium hydroxide, solution 50% w/v, extra pure | 5 L |
| 8SO05650250 | Sodium metaperiodate, reagent grade, ACS | 250 g |
| 8SO05010500 | Sodium nitrate, reagent grade, ACS, ISO | 500g |
| 8AC20711000 | Sulfuric acid, 96% \pm 0,1%, reagent grade | 1 L |
| 8AG0003005P | Water, deionized, extra pure | 5 L |

Organic Reagents/Compounds

| Reference | Feature | Package |
|-------------|---|---------|
| 8AM02541000 | Ammonium acetate, reagent grade, ACS | 1 Kg |
| 8AC0718025P | Citric acid anhydrous, extra pure | 25 Kg |
| 8FO00112500 | Formaldehyde, solution 37% w/w, reagent grade, stabilized with approx. 10% methanol | 2.5 L |
| 8PO00251000 | Polyethylene glycol 200, synthesis grade | 1 L |
| 8PO0030005P | Polyethylene glycol 300, synthesis grade | 5 L |
| 8PO01861000 | Tri-Potassium citrate monohydrate, extra pure | 1 Kg |
| 8UR01311000 | Urea, reagent grade, ACS | 1 Kg |
| 8AC00301000 | Vaseline oil, extra pure | 1 L |

Standards/pH Buffer Solutions

| Reference | Feature | Package |
|-------------|-----------------------------------|---------|
| 8SO10221000 | Buffer solution pH = 2,00 (20 °C) | 1 L |
| 8SO10041000 | Buffer solution pH = 4,00 (20 °C) | 1 L |
| 8SO10071000 | Buffer solution pH = 7,00 (20 °C) | 1 L |
| 8SO10091000 | Buffer solution pH = 9,00 (20 °C) | 1 L |

Indicators

| Reference | Feature | Package |
|-------------|---|---------|
| 8FE05290100 | Ferroin, solution 0,025 mol/l, redox indicator | 100 ml |
| 8AZ02030100 | Methylene blue, extra pure | 100 g |
| 8FE04961000 | Phenolphthalein, solution 1% in ethanol | 1 L |
| 8GE0043005P | Silica gel with humidity indicator (orange), 2,5 - 6 mm | 5 Kg |

Sugars

| Reference | Feature | Package |
|-------------|--------------------------------------|---------|
| 8LA00600500 | D(+)-Lactose monohydrate, extra pure | 500 g |
| 8SA00210500 | D(+)-Saccharose, reagent grade | 500 g |
| 8XI00800100 | D(+)-Xylose, extra pure | 100 g |

Microbiology and Biochemical Tests

| Reference | Feature | Package |
|-------------|---|-----------|
| 802-041BA05 | Brilliant Green Bile 2% Broth | 5 sachets |
| 8AC07461000 | DNAse test (Hydrochloric acid solution 0,1 mol/l) | 1 L |
| 802-510BA05 | Maximum Recovery Diluent | 5 sachets |
| 8RE00650005 | Oxidase reagent, according to Gordon & McLeod | 5 g |

Scharlab chemicals for LC-MS & UHPLC-MS

UHPLC-MS solvent

| Reference | Feature | Package |
|-------------|--------------|---------|
| 8AC03911000 | Acetonitrile | 1 |
| 8ME03341000 | Methanol | 1 |
| 8AG00151000 | Water | 1 |

LC-MS solvent

| Reference | Feature | Package |
|-------------|---------------|---------|
| 8AL03261000 | 2-Propanol | 1 |
| 8AC03711000 | Acetonitrile | 1 |
| 8AC01581000 | Ethyl acetate | 1 |
| 8ME03261000 | Methanol | 1 |
| 8AG00061000 | Water | 1 |

LC-MS Mixture

| Reference | Feature | Package |
|-------------|---|---------|
| 8AC03741000 | Acetonitrile with 0,1% acetic acid | 1 |
| 8AC03731000 | Acetonitrile with 0,1% formic acid | 1 |
| 8AC03721000 | Acetonitrile with 0,1% trifluoroacetic acid | 1 |
| 8ME03291000 | Methanol with 0,1% acetic acid | 1 |
| 8ME03301000 | Methanol with 0,1% ammonium acetate | 1 |
| 8ME03271000 | Methanol with 0,1% trifluoroacetic acid | 1 |
| 8AG00091000 | Water with 0,1% acetic acid | 1 |
| 8AG00101000 | Water with 0,1% ammonium acetate | 1 |
| 8AG00081000 | Water with 0,1% formic acid | 1 |
| 8AG00071000 | Water with 0,1% trifluoroacetic acid | 1 |

LC-MS & UHPLC-MS auxiliar products

| Reference | Feature | Package |
|-------------|--|---------|
| 8AC10751000 | Formic acid solution, 10% in water, for cleaning | 1 |

LC-MS Additive

| Reference | Feature | Package |
|-------------|--|---------|
| 8AC03470050 | Acetic acid glacial, eluent additive | 50 ml |
| 8AM02590050 | Ammonium acetate, eluent additive | 50 g |
| 8AM03200050 | Ammonium formate, eluent additive | 50 g |
| 8AM02580100 | Ammonia, solution 25%, eluent additive | 100 ml |
| 8AC10760050 | Formic acid, eluent Additive | 50 ml |
| 8TR02170050 | Triethylamine, eluent additive | 50 ml |
| 8AC31440050 | Trifluoroacetic acid, eluent additive | 50 ml |

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Solvent

| Reference | Feature | Package |
|--------------|---|---------|
| 8AL03211000* | 2-Propanol | 1 |
| 8AC03101000* | Acetone | 1 |
| 8CL03471000* | Dichloromethane, stabilized with approx. 50 ppm | 1 |
| 8AC01551000* | Ethyl acetate 96% | 1 |
| 8ME03151000* | Methanol | 1 |
| 8DI10721000* | N,N-Dimethylformamide | 1 |
| 8TE01271000* | Tetrachloroethene | 1 |
| 8TE02281000* | Tetrahydrofuran, Multisolvent®, GPC grade, stabilized with 250 ppm of 2,6 Di-tert-butyl-4-methyphenol (BHT) | 1 |

*Packs of 2,5 L, replace the last 4 reference digits (1000) by 2500

Dry solvent

| Reference | Feature | Package |
|-------------|--|---------|
| 8DI12901000 | 1,4-Dioxan, dried, r.g. (Max. 0,01% H ₂ O) | 1 |
| 8AL03161000 | 2-Propanol, dried, r.g. ACS, ISO (max. 0,01% H ₂ O) | 1 |
| 8AC03161000 | Acetone, dried, r.g. (Max. 0,01% H ₂ O) | 1 |
| 8AC03331000 | Acetonitrile, Multisolvent (max. 0,03% H ₂ O) | 1 |
| 8CL02181000 | Chloroform, Multisolvent, stabilized with ethanol (max. 0,01% H ₂ O) | 1 |
| 8CL03381000 | Dichloromethane, dried, r.g. Stabilized with approx. 50 ppm of amylene (max. 0,01% H ₂ O) | 1 |
| 8SU01571000 | Dimethylsulfoxide, dried, r.g. (Max. 0,01% H ₂ O) | 1 |
| 8ME03041000 | Methanol, dried, r.g. (Max. 0,005% H ₂ O) | 1 |
| 8DI10711000 | N, N-dimethylformamide, dried, r.g. (Max. 0,01% H ₂ O) | 1 |
| 8ET00951000 | Petroleum ether, Multisolvent®, boiling range 40-60°C (max. 0,01% H ₂ O) | 1 |
| 8TE02231000 | Tetrahydrofuran, dried, r.g. Stabilized with 250 ppm of BHT (max. 0,005% H ₂ O) | 1 |

Aquagent®

Aquagent® Pyridine-free volumetric & coulometric Karl Fischer reagents

Karl Fischer (KF) titration is a well known method for water determination since the beginning of the 20th century. KF Titration uses coulometric or volumetric titration to determine the water content in a wide variety of samples. It is used both in industrial processes as well as in quality control laboratories.

The first KF reagents that were developed contained pyridine, which was assumed to be essential for the reaction.

Further experiments demonstrated that pyridine acted just as a buffer substance and could be replaced by other basic compounds, which were able to play the same role providing less toxicity.

Most of the pyridine-free reagents including our Aquagent®, contain imidazole instead of pyridine. Imidazole is a non-toxic base, has a good buffering capacity and allows fast and stable titration end-points.

Volumetric KF: One-component system

| Reference | Feature | Package |
|-------------|--|---------|
| 8AQ00090500 | Buffer Acid | 0,5 |
| 8AQ00070500 | Complet 2 (1 ml = 2 mg H ₂ O approx.) | 0,5 |
| 8AQ00030500 | Complet 5 (1 ml = 5 mg H ₂ O approx.) | 0,5 |
| 8AQ00041000 | Complet 5K | 0,5 |
| 8FO00281000 | Formamide, dry (max. 0,02% H ₂ O) | 1 |
| 8AQ00051000 | Medium K (to be used with - Complet 5K) | 1 |

Coulometric KF: New Aquagent

| Reference | Feature | Package |
|-------------|----------------|---------|
| 8AQ00220500 | Coulometric A | 500 |
| 8AQ00240500 | Coulometric AG | 500 |
| 8AQ00241000 | Coulometric AG | 1000 |
| 8AQ00230100 | Coulometric CG | 100 |

Standards

| Reference | Feature | Package (ml) |
|-------------|---------------------------|--------------|
| 8AQ00190040 | Aquagent® standard 1 | 10 x 4 |
| 8AQ00210100 | Aquagent® standard 5 | 100 |
| 8AQ00210500 | Aquagent® standard 5 | 500 |
| 8AQ00200080 | Aquagent® standard 10 | 10 x 8 |
| 8AQ00300025 | Sodium tartrate dihydrate | 25 g |
| 8AQ00300100 | Sodium tartrate dihydrate | 100 g |

YOU MAY ALSO LIKE:

- Volumetric flasks (ref. 3168607)
- Volumetric pipettes (ref. 3433701)
- Erlenmeyer flasks (ref. 2121614N)
- Ph Meter (ref. HI8424)



Volumetric flask



Volumetric pipette



Erlenmeyer flask



pH Meter

Microbiology

As the first Spanish producer of dehydrated culture media for micro and molecular biology, Conda is our partner in this field.

Conda is internationally recognized as one of the leaders in the field and supplies key ingredients for use in research and testing such as agars, peptones and agaroses, among other products.

The reputation and success are the result of a combination of “know-how” with uncompromising quality systems, technical expertise and innovative thinking.

Dehydrated Culture Media Guide [A-B]

| Description | Cat. No | Suppl. Cat. No | Uses | Ref. Method | Meat and Fish Industry | Water and Beverages | Dairy Products | Bakery | Processed Foods | Beer Industry | Waste water | Cosmetic Industry | Pharmaceutical Industry |
|--|---------|------------------|--|---------------------------|------------------------|---------------------|----------------|--------|-----------------|---------------|-------------|-------------------|-------------------------|
| A1 Medium | LC1252 | | Detection of Coliforms | | | ● | | | | | ● | | |
| Acetamide Agar | LC1391 | | Confirmation of <i>Pseudomonas aeruginosa</i> | | | ● | | | | | ● | | |
| Acetamide Broth | LC1155 | | Confirmation of <i>Pseudomonas aeruginosa</i> | UNE-EN 12780 ISO 16266 | | ● | | | | | ● | | |
| Acetate Differential Agar | LC1192 | | Diferentiation of species of <i>Shigella</i> , <i>E.coli</i> and non-fermentable Coliforms | | ● | | ● | | | | | | |
| Alkaline Peptone Water | LC1407 | | Enrichment of <i>Vibrio</i> species | | ● | | | | | | ● | | |
| Anaerobic Agar | LC1000 | | Cultivation of anaerobes, specially <i>Clostridium</i> | | ● | ● | ● | ● | | | ● | | |
| Antibiotic Medium No. 1 (Seed Agar) | LC1520 | | Standard medium used for the preparation of the seed layer in Antibiotic Assays | USP Eur. Pharma | | | | | | | | | ● |
| Antibiotic Medium No. 2 (Base Agar) | LC1002 | | Standard medium used for the preparation of the seed layer in Antibiotic Assays | USP | | | | | | | | | ● |
| Antibiotic Medium No. 3 | LC1534 | | Standard medium for use in Antibiotic Assays | USP | | | | | | | | | ● |
| Antibiotic Medium No. 5 (Streptomycin Test Agar) | LC1524 | | Potency assay of Streptomycin | USP | | | | | | | | | ● |
| Antibiotic Medium No. 8 (Base Agar with Low pH) | LC1004 | | Plate assay of tetracycline and other antibiotics | USP | | | | | | | | | ● |
| Antibiotic Medium No. 11 (Neomycin Test Agar) | LC1528 | | Potency assay of neomycin and other antibiotics | USP | | | | | | | | | ● |
| Antibiotic Medium No. 12 | LC1525 | | Amphotericin B Testing | | | | | | | | | | ● |
| Asparagine Broth | LC1207 | | Presumptive identification and enumeration (MPN) of <i>Pseudomonas aeruginosa</i> | | | ● | | | | | ● | | |
| Azide De trose Broth | LC1422 | | Enterococcus preliminary test and selective enrichment | | | ● | | | | | ● | | |
| Bacillus Cereus Selective Agar Base | LC1124 | LC6021L C5152 | Enumeration and isolation of <i>Bacillus cereus</i> | | ● | | | ● | | | | | |
| Baird Parker Agar Base | LC1100 | LC5129 | Selective isolation of coagulase-positive staphylococci | Eur. Pharma | | | | | | | | ● | ● |
| Baird Parker Agar Base | LC1319 | LC5129 | Selective isolation of coagulase-positive staphylococci | ISO 6888-1 | ● | | ● | ● | ● | | | | |
| Baird Parker Agar Base (RPF) | LC1319 | LC6024 | Selective isolation of coagulase-positive staphylococci | ISO 6888-2 | ● | | ● | ● | ● | | | | |
| BCP Agar | LC1051 | | Isolation of Coliforms | | | ● | | ● | ● | | ● | | |
| BCP glucose Agar | LC1320 | | Differentiation and enumeration of Enterobacteriaceae | ISO 21528-2 | ● | | | ● | ● | | | | |
| Bile Esculin Agar | LC1031 | | Isolation and presumptive identification of enterococci | ISO 10273 | | | ● | | | | | | |
| Bile Esculin Azide Agar | LC1005 | | Selective medium for isolation and presumptive identification of enterococci | ISO 7899-2 | | ● | | | | | | | |
| Bismuth Sulfite Agar (Wilson Blair) | LC1011 | | Highly selective medium for isolation of <i>Salmonella</i> spp, particularly <i>Salmonella typhi</i> | USP | ● | | ● | ● | ● | | | | ● |
| Blood Agar Base No. 2 | LC1328 | | Confirmation | ISO 7932 | ● | | | | | | | | |

Dehydrated Culture Media Guide [B-L]

| Description | Cat. No | Suppl. Cat. No | Uses | Ref. Method | Meat and Fish Industry | Water and Beverages | Dairy Products | Bakery | Processed Foods | Beer Industry | Waste water | Cosmetic Industry | Pharmaceutical Industry |
|--|---------|----------------|---|-------------|------------------------|---------------------|----------------|--------|-----------------|---------------|-------------|-------------------|-------------------------|
| Blood Free Campylobacter Agar Base | LC1129 | LC6053 | Selective medium used with supplements, for isolation of Campylobacter jejuni, C.coli and C.laridis | | ● | | ● | | | | | | |
| Chapman Stone Agar | LC1017 | | Selective and differential medium for isolation of staphylococci | | ● | | ● | | | | | | |
| Chloramphenicol Agar | LC1301 | | Selective medium for isolation and enumeration of molds | ISO 7954 | | | ● | | | | | | |
| Clostridium Perfringens Agar Base (m-CP) | LC1132 | | Enumeration and isolation of Clostridium perfringens | | | ● | | | | | | | |
| DCLS Agar | LC1045 | | Selective medium for isolation of Salmonella and Shigella. It is also used to isolate Vibrio cholerae | | ● | | ● | | ● | | | | |
| Desoxycholate Agar | LC1020 | | Isolation and enumeration of Coliforms | | | | ● | | | | | | |
| Desoxycholate Citrate Agar | LC1067 | | Highly selective medium for isolation of enteric pathogens, especially Salmonella and Shigella | Eur. Pharma | ● | | ● | | ● | | | | |
| Desoxycholate Lactose Agar | LC1025 | | Isolation and enumeration of Coliforms | | ● | ● | ● | | ● | | ● | | |
| Dextrose Agar | LC1021 | | Total counts of microorganisms and for general laboratory purposes | | ● | ● | ● | ● | ● | | | | ● |
| Differential Reinforced Clostridial Broth | LC1416 | | Enumeration of all clostridia by the MPN method | | ● | ● | ● | ● | | | | | |
| E. Coli Coliforms Chromogenic Medium | LC1340 | | Selective medium for simultaneous detection of E.coli and other Coliforms | | ● | ● | ● | ● | ● | ● | ● | ● | |
| EC Medium | LC1522 | | Differentiation and enumeration of Coliforms | ISO 7521 | | ● | | | | | ● | | |
| EE Broth | LC1362 | | Enumeration of Enterobacteriaceae | ISO 21528-1 | ● | | ● | ● | ● | | | | |
| Elliker Medium | LC1539 | | Cultivation of streptococci and lactobacilli | | | | ● | | | | | | |
| Endo Agar Base | LC1118 | | Confirmation and differentiation of Coliforms | | ● | ● | ● | | ● | | ● | | |
| Endo Les Agar Base | LC1137 | | Detection and enumeration of Coliforms in water using membrane-filter technique | | | ● | | | | | ● | | |
| Enterobacter Sakazakii Isolation Agar Chromogenic (ESIA) | LC1446 | | Isolation of Enterobacter Sakazakii | ISO 22964 | | | ● | | | | | | |
| Enterococcus Confirmatory Agar | LC1018 | | Confirmation of the presence of enterococci | | | ● | | | | | ● | | |
| Eosin Methylene Blue Agar (EMB) | LC1039 | | Isolation and differentiation of Coliforms from other Enterobacteria | | | ● | | | | | | ● | |
| ESTY Broth | LC1254 | | Selective medium for cultivation of Streptococcus thermophilus in yogurt | | | | ● | | | | | | |
| ESTY Medium | LC1555 | | Selective medium for enumeration of Streptococcus thermophilus in yogurt | | | | ● | | | | | | |
| EVA Broth (Ethyl Violet Azide Broth) | LC1230 | | Confirmation of enterococci and as a detector of fecal contamination | | | ● | | | | | ● | | |
| Ewing Malonate Broth Modified | LC1212 | | Differentiation of Enterobacteria, especially Salmonella arizonae | | ● | | ● | | | | | | |
| Fecal Coliforms Agar Base (m-FC) | LC1127 | LC6023 | Membrane-filter medium for detection and enumeration of fecal Coliforms | | | ● | | | | | ● | | |
| Fecal Coliforms Broth Base | LC1121 | LC6023 | Detection and enumeration of fecal Coliforms through the membrane-filter technique | | | ● | | | | | ● | | |

| Description | Cat. No | Suppl. Cat. No | Uses | Ref. Method | Meat and Fish Industry | Water and Beverages | Dairy Products | Bakery | Processed Foods | Beer Industry | Waste water | Cosmetic Industry | Pharmaceutical Industry |
|--|---------|-------------------|--|---------------------------|------------------------|---------------------|----------------|--------|-----------------|---------------|-------------|-------------------|-------------------------|
| Fraser Broth Base | LC1182 | LC6001 | Enrichment medium for detection and isolation of <i>Listeria</i> | ISO 11290-1 | ● | | ● | ● | ● | ● | | | |
| Gelatin Lactose Medium | LC1526 | | Confirmation of <i>Clostridium perfringens</i> | | ● | ● | | | | | | | |
| Giolitti - Cantoni Broth | LC1287 | LC5208 | Detection of <i>Staphylococcus aureus</i> | ISO 6888 / 5944 | ● | | ● | ● | ● | | | | |
| Glucose Chloramphenicol Agar | LC1094 | | Selective medium for isolation and enumeration of yeast and molds | | | | ● | | | | | | |
| Glucose Chloramphenicol Broth | LC1258 | | Selective medium for isolation and enumeration of yeast and molds | | | | ● | | | | | | |
| Hektoen Enteric Agar | LC1030 | | Isolation and differentiation of gram-negative enteric bacteria | | ● | | ● | ● | ● | | | | |
| Irgasan Ticarcillin & Potassium Chlorate | LC1361 | LC6051 | Enrichment medium for <i>Yersinia enterocolitica</i> | ISO 10273 | ● | | ● | | ● | | | | |
| KAA Confirmatory Agar | LC1027 | | Isolation and confirmation of enterococci | | | | ● | | | | | | |
| KAA Presumptive Broth | LC1209 | | Presumptive detection of enterococci from foods | | | | ● | | | | | | |
| King B Medium | LC1154 | | Identification and enumeration of <i>Pseudomonas aeruginosa</i> by membrane-filtration technique | UNE-EN 12780 ISO 16266 | | ● | | | | | ● | | |
| Kligler Iron Agar | LC1364 | | Presumptive test of <i>Yersinia enterocolitica</i> | ISO 10273 | ● | | ● | | ● | | | | |
| Koser Citrate Broth | LC1200 | | Differentiation of <i>E. coli</i> from <i>Enterobacter</i> on basis of citrate utilization | | ● | ● | ● | | ● | ● | ● | ● | |
| Lactose Broth | LC1206 | | Cultivation of Coliforms and <i>Salmonella</i> | Eur. Pharma | ● | ● | ● | ● | ● | | ● | | ● |
| Lactose Sulfite Broth Base | LC1009 | | Selective medium for detection and enumeration of <i>Clostridium perfringens</i> | Eur. Pharma | ● | ● | | | | | | | |
| Lauryl Sulfate Agar | LC1309 | | Selective isolation and enumeration of Coliforms | | | ● | | ● | ● | | ● | | |
| Lauryl Sulfate Broth | LC1310 | | Detection of Coliforms (APHA) | ISO 4831 | | | ● | | | | | | |
| Lauryl Sulfate Tryptose Broth Modified | LC1445 | | Selective enrichment medium for <i>Enterobacter sakazakii</i> | ISO 22964 | | ● | | | | | ● | | |
| Legionella Cyte Agar Base | LC1311 | LC6022/ LC6025 | Selective medium for cultivation of <i>Legionella</i> | ISO 11731-2 | | ● | | | | | | | |
| Letheen Agar Base Modified | LC1111 | | Determination of bacterial activity of quaternary ammonium compounds | | | | | | | | | ● | |
| Letheen Broth Base Modified | LC1244 | | Microbiological analysis | | | | | | | | | ● | |
| Levine Agar (EMB) | LC1050 | | Isolation and differentiation of <i>Enterobacteria</i> | | ● | | ● | ● | ● | ● | ● | | ● |
| Listeria Agar Base Oxford | LC1133 | LC6003 | Selective medium for detection of <i>Listeria monocytogenes</i> | ISO 11290-1 | ● | ● | ● | ● | ● | | | | |
| Listeria Enrichment Broth Base Fraser | LC1120 | LC6001/ LC6002 | Enrichment medium for detection and isolation of <i>Listeria</i> | ISO 11290-1 | ● | ● | ● | ● | ● | | | | |
| Listeria Agar Base Palcam | LC1141 | LC6004 | Selective and differential medium for detection of <i>Listeria monocytogenes</i> | ISO 11290-2 | ● | ● | ● | ● | ● | | | | |
| Listeria Chromogenic Agar Base | LC1345 | LC6031/ LC6040 | Selective medium for detection and enumeration of <i>Listeria monocytogenes</i> | ISO 11290-2 | ● | ● | ● | ● | ● | | | | |
| LMDA Agar | LC1084 | | Differentiation of a high variety of bacteria | | | | | | | ● | | | |
| LPT Dilution Broth | LC1399 | | Solvent for homogenization of samples | | | | | | | | | ● | |

Dehydrated Culture Media Guide [L-S]

| Description | Cat. No | Suppl. Cat. No | Uses | Ref. Method | Meat and Fish Industry | Water and Beverages | Dairy Products | Bakery | Processed Foods | Beer Industry | Waste water | Cosmetic Industry | Pharmaceutical Industry |
|--|---------|----------------|--|-------------|------------------------|---------------------|----------------|--------|-----------------|---------------|-------------|-------------------|-------------------------|
| Lysine Decarboxylase Broth | LC1208 | | Identification of microorganisms, especially enteric bacilli, based on the decarboxylation of lysine | | ● | ● | ● | ● | | | | | |
| Lysine Decarboxylase Broth | LC1176 | | Biochemical confirmation of Salmonella | ISO 6579 | ● | | ● | ● | ● | | | | |
| Lysine Iron Agar | LC1044 | | Studies of decarboxylation of lysine for rapid differentiation of Salmonella arizonae | | ● | | | | | | | | |
| M17 Agar | LC1318 | | Cultivation and enumeration of lactic streptococci | | | | ● | | | | | | |
| Macconkey Agar | LC1052 | | Isolation and identification of Enterobacteriaceae | Eur. Pharma | ● | | ● | ● | ● | ● | ● | ● | |
| Macconkey Agar No. 2 | LC1035 | | Identification of enterococci in the presence of coliforms and non lactose-fermenters | | | ● | ● | | | | ● | | |
| Macconkey Agar without Crystal Violet | LC1037 | | Cultivation of staphylococci and enterococci and differentiation of enteric microorganisms | | | ● | | | | | | | |
| Macconkey Broth | LC1210 | | For detection of Coliforms | Eur. Pharma | | ● | ● | | | | | | |
| Malt Extract Agar | LC1038 | | Cultivation of fungi and yeasts | | ● | | ● | ● | ● | ● | | ● | |
| Malt Extract Broth | LC1245 | | Isolation and enumeration of yeast and molds, as well as for sterility tests | | ● | | ● | ● | ● | ● | | ● | ● |
| Mannitol Nitrate Motility Medium | LC1509 | | Rapid differentiation of Enterobacteria | | ● | | ● | ● | ● | ● | ● | ● | |
| Mannitol Salt Agar (MSA) | LC1062 | | Isolation of pathogenic staphylococci | Eur. Pharma | ● | | ● | ● | ● | | | ● | ● |
| m-El Chromogenic Agar Base | LC1412 | | Detection and enumeration of Enterococcus through membrane filtration technique | | | ● | | | | | ● | | |
| Minerals Modified glutamate Broth | LC1365 | | Enumeration of Coliforms | | | ● | | | | | ● | | |
| Mio Medium | LC1510 | | Identification of Enterobacteriaceae | | ● | | ● | ● | ● | ● | ● | | ● |
| Moeller KCN Broth Base | LC1112 | | Differentiation of enteric bacilli | | ● | | | ● | ● | | | | |
| Mossel EE Broth | LC1202 | | Selective enrichment of Enterobacteriaceae, specially Salmonella and Coliforms | Eur. Pharma | ● | | ● | ● | ● | | | | |
| MRS Agar | LC1043 | | Cultivation of lactobacilli in general | | ● | | ● | | | | | | |
| MRS Broth | LC1215 | | Cultivation of lactobacilli in general | | ● | | ● | | | | | | |
| MRSV Medium | LC1376 | | A semi-solid medium for detection of motile Salmonella species | | ● | | ● | ● | ● | | | | |
| MR-VP Medium | LC1512 | | Differentiation of Escherichia-Enterobacter group (Methyl Red and Voges-Proskauer reactions) | | ● | ● | ● | ● | ● | ● | ● | ● | |
| Mueller Hinton Agar | LC1058 | | Sensitivity Test | | | | | | | | | | ● |
| Mueller Hinton II Agar | LC1055 | | Sensitivity Test | | | | | | | | | | ● |
| Mueller Hinton Broth | LC1214 | | Sensitivity testing to antibiotics in liquid media | | | | | | | | | | ● |
| Muller Kauffmann Broth Base with Brilliant Green & Novobiocine (MKTTN) | LC1173 | | Liquid medium for selective enrichment of Salmonella | ISO 6579 | ● | | ● | ● | ● | | | | |
| Muller Kauffmann Tetrathionate Broth Base | LC1130 | | Selective enrichment of Salmonella | | ● | | ● | ● | ● | | | | |
| Novice Brewers Bacteria Agar Base, Modified | LC1438 | | Selective medium used for detection of contaminating/spoilage micro-organisms | | | | | | | ● | | | |

| Description | Cat. No | Suppl. Cat. No | Uses | Ref. Method | Meat and Fish Industry | Water and Beverages | Dairy Products | Bakery | Processed Foods | Beer Industry | Waste water | Cosmetic Industry | Pharmaceutical Industry |
|--|---------|----------------|---|---------------------------|------------------------|---------------------|----------------|--------|-----------------|---------------|-------------|-------------------|-------------------------|
| Novice Brewers Bacteria Broth Base, Modified | LC1440 | | Selective medium used for detection of contaminating/spoilage micro-organisms | | | | | | | ● | | | |
| Neutralizing Agar | LC1449 | | Neutralization of antimicrobial chemicals | | | | | | | | | ● | |
| Nitrate Motility Base Medium | LC1565 | | Confirmation of Clostridium perfringens | | ● | ● | | | | | | | |
| Nutrient Agar | LC1060 | | Cultivation of non-fastidious microorganisms | ISO 6579 ISO 10273 | ● | | ● | ● | ● | | | | |
| Nutrient Agar | LC1156 | | Identification and enumeration of Pseudomonas aeruginosa by membrane-filtration technique | UNE-EN 12780 | | ● | | | | | ● | | |
| Nutrient Agar with Sodium Chloride | LC1355 | | Confirmation of Enterobacteriaceae | ISO 21528-1 | ● | | ● | ● | ● | | | | |
| OGA Medium (Oxytetracycline Glucose Agar) | LC1527 | LC6018 | Enumeration and selection of yeast and molds | | ● | | ● | ● | ● | | | | |
| Orange Serum Agar | LC1307 | | Isolation and detection of different acid tolerant pathogens in citrus products | | | ● | | | | | | | |
| Osmophilic Agar | LC1057 | | Cultivation of osmophilic yeasts | | | | ● | ● | ● | | | | |
| Peptone Water with Lactose | LC1357 | | Confirmation of membrane results for total Coliforms | ISO 9308-1 | | ● | | | | | ● | | |
| Peptone Sorbitol & Biliar Salts Broth (PSB Broth) | LC1298 | | Diluent | ISO 10273 | ● | | ● | | ● | | | | |
| Potato Dextrose Agar | LC1022 | | Identification, cultivation and enumeration of yeasts and molds | Eur. Pharma | ● | | ● | ● | ● | | | | ● |
| Potato Dextrose Broth | LC1261 | | Cultivation of yeasts and molds | | ● | | ● | ● | ● | ● | | ● | ● |
| Pseudomonas Agar Base | LC1356 | LC6036 | Isolation of Pseudomonas | ISO 13720 | ● | | | | | | | | |
| Pseudomonas CN Agar Base | LC1153 | | Identification and enumeration of Pseudomonas aeruginosa by membrane-filtration technique | UNE-EN 12780 ISO 16266 | | ● | | | | | ● | | |
| Pseudomonas F Agar (King B) | LC1532 | | Identification of Pseudomonas aeruginosa based on production of fluorescein | USP | | | | | | | ● | ● | ● |
| Pseudomonas P Agar (King A) | LC1531 | | Identification of Pseudomonas aeruginosa based on production of pyocyanin | USP | | | | | | | ● | ● | ● |
| Raka - Ray Agar Base | LC1061 | | Selective medium to isolate lactic-acid bacteria | | | | | | | ● | | | |
| Rappaport Soy Broth (Vassiliadis) | LC1174 | | Liquid medium for selective enrichment of Salmonella | ISO 6579 | ● | | ● | ● | ● | | | | |
| Reinforced Clostridial Medium | LC1007 | | Cultivation and enumeration of Clostridium and other anaerobes | Eur. Pharma | ● | | ● | ● | | | ● | | |
| Rogosa SL Agar | LC1096 | | Selective medium for cultivation of lactobacilli | | ● | | | | | | | | |
| Rogosa SL Broth | LC1234 | | Selective medium for cultivation of lactobacilli | | | | | | | | | | |
| Rose Bengal Agar + Chloramphenicol | LC1081 | | Cultivation and selective isolation of yeast and molds | | | | ● | ● | ● | ● | | ● | |
| Rose Bengal Agar + Dichloran + Chloramphenicol (DRBC Agar) | LC1160 | | Selective medium for cultivation of yeast and molds | ISO 21527-1 | | | ● | ● | ● | ● | | | |
| Rothe Broth (Glucose Broth with Azide) | LC1238 | | Quantitative determination of enterococci | | | | ● | | | | | | |
| R2A Agar | LC1071 | | Total aerobic count | Eur. Pharma | | ● | | | | | | | |
| Sabouraud Dextrose Agar | LC1024 | | Cultivation of yeast and molds | Eur. Pharma | | | | | | | | | ● |
| Sabouraud Dextrose Broth | LC1205 | | Cultivation of yeast and molds | Eur. Pharma | | | | | | | | | ● |
| Sabouraud Maltose Broth | LC1213 | | Cultivation of yeast, molds and acidophilic bacteria, as well as for sterility tests | | | | | | | | | ● | ● |
| Salmonella Chromogenic Agar | LC1122 | | Isolation of Salmonella | | ● | | ● | ● | ● | | | | ● |

Dehydrated Culture Media Guide [S-Y]

| Description | Cat. No | Suppl. Cat. No | Uses | Ref. Method | Meat and Fish Industry | Water and Beverages | Dairy Products | Bakery | Processed Foods | Beer Industry | Waste water | Cosmetic Industry | Pharmaceutical Industry |
|---|---------|----------------|---|-----------------|------------------------|---------------------|----------------|--------|-----------------|---------------|-------------|-------------------|-------------------------|
| Salmonella Shigella Agar (SS) | LC1064 | | Selective medium for isolation of Salmonella and Shigella | | ● | | | | | | | | |
| Slanetz-Bartley Medium | LC1109 | | Detection and enumeration of intestinal Enterococci by membrane-filtration technique | ISO 7899-2 | | ● | | | | | | | |
| Sodium Selenite Broth | LC1222 | | Selective isolation of Salmonella | | ● | | ● | ● | ● | | | | |
| SPS Agar | LC1082 | | Isolation of Clostridium perfringens | | ● | | | | | | | | |
| Standard Methods Agar (PCA) | LC1056 | | Total microbial plate count | ISO 4833 | ● | | ● | | | | | | |
| Standard Methods Agar with Powdered Milk | LC1033 | | Bacterial plate count of microorganisms (APHA* Formula) | | | | ● | | | | | | |
| Staphylococcus Agar No. 110 | LC1032 | | Isolation of staphylococci | | ● | | ● | ● | ● | | | ● | |
| TBX Chromogenic Agar | LC1151 | | Selective medium for detection and enumeration of E.coli | ISO 16649-2 | ● | | ● | ● | ● | | | | |
| TCBS Agar | LC1074 | | Selective isolation of Vibrio spp | | ● | | | | | | ● | | |
| Tetrathionate Broth Base (Muller Kauffmann) | LC1114 | | Selective enrichment of Salmonella species | USP | ● | | ● | ● | ● | | | | |
| Thioglycollate Broth | LC1241 | | Sterility assays of biological and pharmaceutical products | USP Eur. Pharma | | | | | | | | ● | ● |
| Thioglycollate Fluid Medium | LC1508 | | Cultivation of aerobic and anaerobic microorganisms in sterility tests | USP | | | | | | | | ● | ● |
| Thioglycollate Medium without Indicator | LC1516 | | Cultivation and isolation of obligate and facultative aerobic, anaerobic and microaerophilic bacteria for sterility tests | USP | | | | | | | | ● | ● |
| Thioglycollate USP Medium | LC1533 | | Cultivation of aerobic and anaerobic microorganisms in sterility tests | USP ISO 7937 | ● | | | | | | | ● | ● |
| Triple Sugar Iron Agar (TSI) | LC1046 | | Identification and differentiation of Enterobacteria | Eur. Pharma | | ● | | | | ● | ● | ● | ● |
| Triple Sugar Iron Agar (TSI) | LC1172 | | Biochemical confirmation of Salmonella | ISO 6579 | ● | | ● | ● | ● | | | | |
| Trypticasein glucose Extract Agar | LC1041 | | Plate count enumeration of bacteria | | | ● | | | | | ● | | |
| Tryptone Bile Salts Agar | LC1013 | | Detection and enumeration of E. coli and other Coliforms | ISO 9308-1 | | ● | | | | | ● | | |
| Tryptone Soy Agar | LC1138 | | Detection and enumeration of E.coli and other Coliforms | ISO 9308-1 | | ● | | | | | ● | | |
| Tryptone Soy Yeast Extract Agar (TSYEA) | LC1398 | | Cultivation of Listeria spp | ISO 11290-1 | ● | ● | ● | ● | ● | | | | |
| Tryptone Soy Yeast Extract Broth (TSYEB) | LC1339 | | Confirmation of Listeria monocytogenes | ISO 11290-1 | ● | ● | ● | ● | ● | | | | |
| Tryptophan Culture Broth | LC1237 | | Detection of E. coli and other Coliforms by indole production | ISO 9308-1 | | ● | | | | | ● | | |
| Tryptose Sulfite Broth | LC1378 | | Selective medium for Clostridium perfringens | | ● | ● | | | | | | | |
| TSC Agar Base | LC1029 | LC6020/L C5152 | Detection and enumeration of Clostridium perfringens | ISO 7937 | ● | | | | | | | | |
| TSN Agar | LC1075 | | Selective isolation of Clostridium perfringens | | ● | | | | | | | | |
| TTC Chapman Agar | LC1076 | LC6030 | Enumeration of Coliforms by membrane-filtration technique | ISO 9308-1 | | ● | | | | | ● | | |
| Universal Beer Agar (UBA Medium) | LC1562 | | Control of industrial fermentation processes | | | | | | | ● | | | |
| Urea Agar Base (Christensen) | LC1110 | | Differentiation of Enterobacteria on the basis of urease production | ISO 6579 | ● | | | ● | ● | ● | ● | ● | |

| Description | Cat. No | Suppl. Cat. No | Uses | Ref. Method | Meat and Fish Industry | Water and Beverages | Dairy Products | Bakery | Processed Foods | Beer Industry | Waste water | Cosmetic Industry | Pharmaceutical Industry |
|--|---------|----------------|--|-----------------------|------------------------|---------------------|----------------|--------|-----------------|---------------|-------------|-------------------|-------------------------|
| Urea Indol Broth | LC1227 | LC5205 | Identification of Enterobacteria on the basis of urease and indole production and the transdeamination of tryptophan (TDA) | ISO 10273 | ● | ● | ● | ● | ● | ● | ● | | |
| Violet Red Bile Agar with Glucose (VRBG) | LC1092 | | Cultivation and enumeration of Enterobacteria | Eur. Pharma ISO 21528 | ● | ● | ● | ● | ● | | ● | | |
| Violet Red Bile Agar with Lactose (VRBL) | LC1093 | | Selective medium for detection and enumeration of Coliforms | ISO 4832 | ● | | ● | ● | ● | | | | |
| Vogel-Johnson Agar | LC1079 | | Isolation of Staphylococcus aureus | | | | | | | | | | ● |
| Wilkins Chalgren Medium | LC1503 | | Susceptibility testing as well as for isolation and culture of anaerobic bacteria in general | | | | | | | | ● | | ● |
| Wilkins Chalgren II Medium | LC1568 | | general development and microbial sensitivity tests of anaerobic agents | | | | | | | | | | ● |
| WL Differential Agar | LC1026 | | Control of industrial fermentation processes | | | | | | | ● | | | |
| WL Nutrient Agar | LC1086 | | Determination of microbial flora | | | | | | | ● | | | |
| Wort Agar | LC1316 | | Cultivation and enumeration of yeasts | | | ● | ● | | | ● | | | |
| Wort Broth | LC1444 | | Enumeration and count of yeasts | | | ● | ● | | | ● | | | |
| XLD Agar | LC1274 | | Solid selective medium for isolation of Salmonella | ISO 6579 | ● | | ● | ● | ● | | | | |
| XLD Agar (Xylose Lysine Desoxycholate) | LC1080 | | Isolation of enteropathogenic bacteria, especially from the genus of Shigella and Salmonella | Eur. Pharma | | ● | | | | | | | ● |
| XLT4 Agar Base | LC1159 | LC6062 | Isolation of pathogenic Enterobacteria, especially Salmonella | | ● | ● | ● | ● | ● | | | | |
| Yeast Extract Agar | LC1049 | | Nutrient medium for enumeration of a wide spectrum of bacteria, yeast and molds | ISO 6222 | | ● | | | | | | | |
| Yeast Extract Agar (for molds) | LC1312 | | Cultivation of yeast and molds | | | | ● | | | | | | |
| Yersinia Selective Agar Base | LC1126 | LC6033 | Selective Medium for yersinia enterocolitica | ISO 10273 | ● | | ● | | ● | | | | |



**Lauryl Sulfate Chromogenic Broth (LC1465)**

E.coli is detected by UV light.
Indol reaction can be detected.

Application:

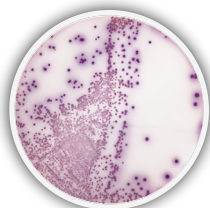
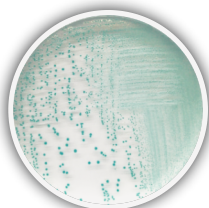
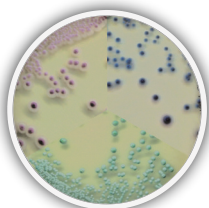
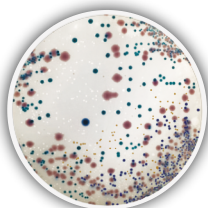
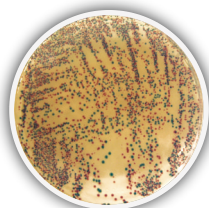
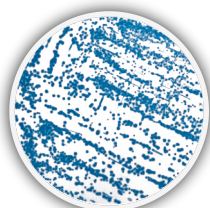
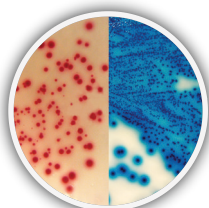
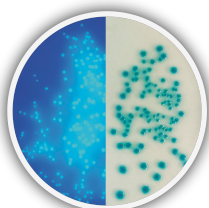
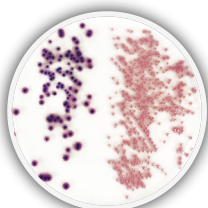
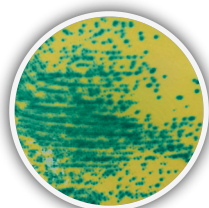
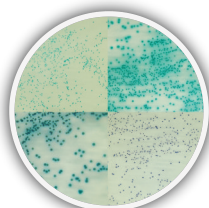
For the simultaneous detection of E. Coli and total coliforms by fluorogenic procedure.

Incubation:

18-24 hrs at 35±2°C

Dehydrated chromogenic media

| Reference | Feature | Package | Suppl. Cat. No |
|-----------------------|--|-----------|----------------|
| General Use | | | |
| LC1588 | E. Coli 0157:H7 Chromogenic Agar Base | 500 grams | LC6064 |
| LC1340 | E. Coli Coliforms Chromogenic Medium | 500 grams | |
| LC2096 | Lauryl sulfate chromogenic agar | 500 grams | LC6043 |
| LC1493 | Pseudomonas chromogenic agar | 500 grams | |
| LC1122 | Salmonella chromogenic agar | 500 grams | |
| LC2076 | Staphylococcus aureus chromogenic agar | 500 grams | |
| LC1151 | Tbx chromogenic agar iso 16649 | 500 grams | |
| LC2054 | Vibrio chromogenic agar | 500 grams | |
| Clinical Use | | | |
| LC1382 | Candida chromogenic agar | 500 grams | LC6042 |
| LC2062 | Esbl chromogenic medium | 500 grams | |
| LC2119 | Klebsiella chromogenic agar base | 500 grams | LC6044 |
| LC2063 | Kpc chromogenic agar | 500 grams | |
| LC1423 | Mrsa agar chromogenic | 500 grams | LC6069 |
| LC1498 | Mrsa agar modified chromogenic | 500 grams | LC6069 |
| LC1424 | Urinary tract infections chromogenic agar (utic) | 500 grams | |
| LC2077 | Vancomycin resistant enterococcus chromogenic agar | 500 grams | |
| Industrial Use | | | |
| LC1446 | Chromogenic cronobacter insolation agar (cci) iso/ fdis 22964:2016 | 500 grams | |
| LC1285 | EC Broth with MUG | 500 grams | |
| LC2080 | E.Coli coliforms chromogenic agar (cca) iso 9308 | 500 grams | |
| LC1491 | E.Coli coliforms chromogenic agar base (boe) | 500 grams | |
| LC2018 | E.Coli enterobacteria chromogenic agar | 500 grams | |
| LC1465 | Lauryl sulfate chromogenic broth | 500 grams | LC5205 |
| LC1345 | Listeria chromogenic agar base iso 11290-1 acc. to ottaviani and agosti (aloe) | 500 grams | LC6031 |
| LC1412 | Mei agar base chromogenic | 500 grams | LC6040 |
| LC2050 | Mei agar base chromogenic , modified | 500 grams | |
| LC1585 | Standard methods chromogenic agar (pca) | 500 grams | |
| LC1313 | Violet red bile agar + mug | 500 grams | |

**LC1122****LC1151****LC1382****LC1424****LC1423****LC2018****LC1446****LC2062****LC2096****LC2080****LC2077****LC2076**

Supplements and Additives

| Reference | Feature | Package |
|-----------|--|--|
| LC6052 | Ampicillin supplement (aeromonas) | Box of 10 vials for 500 ml/each |
| LC6021 | Bacillus cereus supplement | Box of 10 vials for 500 ml/each |
| LC6070 | Bolton selective supplement | Box of 10 vials for 500 ml/each |
| LC6015 | Bordetella supplement | Box of 10 vials for 500 ml/each |
| LC6017 | Brucella supplement | Box of 10 vials for 500 ml/each |
| LC6060 | Modified brucella supplement | Box of 10 vials for 500 ml/each |
| LC6032 | Burkholderia ceparia supplement | Box of 10 vials for 500 ml/each |
| LC6064 | Cefixime tellurite (ct) supplement | Box of 10 vials for 500 ml/each |
| LC6069 | Cefoxitin - mrsa supplement | Box of 10 vials for 500 ml/each |
| LC6036 | Cfc pseudomonas supplement | Box of 10 vials for 500 ml/each |
| LC6033 | C.I.N supplement | Box of 10 vials for 500 ml/each |
| LC6061 | Clostridium difficile supplement | Box of 10 vials for 500 ml/each |
| LC6020 | Clostridium perfringens supplement (TSC) (D-cycloserine) | Box of 10 vials for 500 ml/each |
| LC6053 | Ccda supplement (campylobacter blood free) | Box of 10 vials for 500 ml/each |
| LC6016 | Cna (staph/strep) supplement | Box of 10 vials for 500 ml/each |
| LC6041 | E.Coli-coliforms supplement | Box of 10 vials for 500 ml/each |
| LC5152 | Egg yolk emulsion | 100 ml. flask |
| LC6038 | Enrichment adc supplement | 100 ml flask |
| LC6037 | Enrichment oadc supplement | 100 ml flask |
| LC6042 | Esbl supplement | Box of 10 vials for 500 ml/each |
| LC6023 | Fecal coliforms supplement | Box of 10 vials for 500 ml/each |
| LC6050 | Ferric ammonium citrate supplement | Box of 10 vials for 500 ml/each |
| LC6001 | Fraser listeria selective supplement (for 2,5 liters of medium) | Box of 2x5 vials for 500 ml/pair vials |
| LC6002 | Half fraser listeria selective supplement (for 2,5 liters of medium) | Box of 2x5 vials for 500 ml/pair vials |
| LC6051 | ITC supplement | Box of 10 vials for 480 ml/each |
| LC6055 | Karmali supplement | Box of 10 vials for 500 ml/each |
| LC6045 | Klebsiella selective supplement | Box of 10 vials for 500 ml/each |
| LC6044 | Kpc supplement | Box of 10 vials for 500 ml/each |
| LC6012 | Lcat supplement | Box of 10 vials for 500 ml/each |
| LC6022 | Legionella bcye growth supplement | Box of 10 vials for 90 ml/each |
| LC6025 | Legionella gvpC supplement | Box of 10 vials for 500 ml/each |
| LC6067 | Legionella mwy | Box of 10 vials for 500 ml/each |
| LC6040 | Listeria selective supplement | Box of 10 vials for 500 ml/each |
| LC6031 | Listeria lipase c supplement | Box of 10 vials for 500 ml/each |
| LC6074 | Mup supplement | Box of 10 vials for 500 ml/each |
| LC6018 | Oga supplement | Box of 10 vials for 500 ml/each |
| LC6068 | Oxacillin and polymyxin b selective supplement | Box of 10 vials for 500 ml/each |
| LC6003 | Oxford listeria selective supplement (for 5 liters of medium) | Box of 10 vials |
| LC6004 | Palcam listeria selective supplement (for 5 liters of medium) | Box of 10 vials |
| LC6011 | Polyenrichment supplement | Box of 2x5 vials for 500 ml/pair vials |
| LC6071 | Polyenrichment + cysteine +cystine supplement | Box of 10 vials for 500 ml/each |
| LC6019 | Preston campylobacter supplement | Box of 10 vials for 500 ml/each |
| LC6024 | R.P.F. Supplement | Box of 10 vials for 100 ml/each |
| LC6043 | Salmonella chromogenic supplement | Box of 10 vials for 500 ml/each |
| LC5129 | Tellurite egg yolk emulsion | 100 ml. flask |
| LC6034 | Tinsdale enrichment supplement | Box of 20 tubes for 15 ml/each |
| LC6030 | Ttc 1% supplement | Box 10 vials (1 vial / 500 ml of medium) |
| LC6014 | V.C.A.T. Supplement | Box of 10 vials for 500 ml/each |
| LC6013 | V.C.N. Supplement | Box of 10 vials for 500 ml/each |
| LC6026 | V.C.N.T. Supplement | Box of 10 vials for 500 ml/each |
| LC6072 | Vancomycin supplement | Box of 10 vials for 10 ml/each |
| LC6073 | M-cp supplement | Box of 3 x 10 vials. Each three vials for 500 ml of medium |
| LC6062 | Xlt4 supplement | 100 ml. flask |

Antibiotic discs

Reference Feature

| | |
|------|--|
| 7000 | Amikacin 30 µg 5x50 Discs |
| 7037 | Aminosidin 60 µg 5x50 Discs |
| 7384 | Amoxicillin 20 µg 5x50 Discs |
| 7038 | Amoxicillin 10 µg 5x50 Discs |
| 7039 | Amoxicillin 2 µg 5x50 Discs |
| 7001 | Amoxicillin 25 µg 5x50 Discs |
| 7085 | Amoxicillin 30 µg 5x50 Discs |
| 7086 | Amoxicillin/clavulanic acid 3 µg 5x50 Discs |
| 7002 | Amoxicillin/clavulanic acid 30 µg 5x50 Discs |
| 7003 | Amphotericin B 100 U µg 5x50 Discs |
| 7087 | Amphotericin B 20 U 5x50 Discs |
| 7152 | Ampicillin / sulbactam 30 µg 5X50 Discs |
| 7004 | Ampicillin 10 µg 5x50 Discs |
| 7137 | Ampicillin 2 µg 5x50 Discs |
| 7400 | Ampicillin 20 µg 5x50 Discs |
| 7142 | Ampicillin 25 µg 5x50 Discs |
| 7095 | Ampicillin 30 µg 5x50 Discs |
| 7149 | Ampicillin/cloxacillin 30 µg 5X50 Discs |
| 7151 | Ampicillin/dicloxacillin 11 µg 5X50 Discs |
| 7005 | Ampicillin/sulbactam 20 µg 5x50 Discs |
| 7153 | Apramycin 15 µg 5x50 Discs |
| 7154 | Apramycin 30 µg 5x50 Discs |
| 7006 | Azithromycin 15 µg 5x50 Discs |
| 7155 | Azithromycin 30 µg 5x50 Discs |
| 7427 | Azlocillin 30 µg 5x50 Discs |
| 7096 | Azlocillin 75 µg 5x50 Discs |
| 7156 | Aztreonam 10 µg 5X50 Discs |
| 7007 | Aztreonam 30 µg 5x50 Discs |
| 7008 | Bacitracin 0.04 U µg 5x50 Discs |
| 7157 | Bacitracin 10 U 5X50 Discs |
| 7391 | Bile Disc 5X50 Discs |
| 7387 | Blank Disc 5x50 Discs |
| 7386 | Blank Disc in Sachet 5x50 Discs |
| 7161 | Boronic acid 250 µg 5x50 Discs |
| 7162 | Boronic acid 300 µg 5x50 Discs |
| 7163 | Boronic acid 400 µg 5x50 Discs |
| 7401 | Carbenicillin 10 µg 5X50 Discs |
| 7097 | Carbenicillin 100 µg 5x50 Discs |
| 7164 | Carbenicillin 25 µg 5X50 Discs |
| 7390 | Caspofungin 5 µg 5x50 Discs |
| 7165 | Cefaclor 10 µg 5X50 Discs |
| 7009 | Cefaclor 30 µg 5x50 Discs |
| 7098 | Cefadroxil 30 µg 5x50 Discs |
| 7010 | Cefamandole 30 µg 5x50 Discs |
| 7011 | Cefazolin 30 µg 5x50 Discs |
| 7166 | Cefdinir 30 µg 5x50 Discs |
| 7099 | Cefdinir 5 µg 5x50 Discs |
| 7392 | Cefdinir 50 µg 5x50 Discs |
| 7167 | Cefditoren 5 µg 5x50 Discs |
| 7402 | Cefepime 10 µg 5x50 Discs |
| 7012 | Cefepime 30 µg 5x50 Discs |
| 7403 | Cefepime 5 µg 5x50 Discs |
| 7404 | Cefepime/clavulanic acid 15 µg 5x50 Discs |
| 7013 | Cefepime/clavulanic acid 40 µg 5x50 Discs |
| 7168 | Cefixime 10 µg 5x50 Discs |
| 7014 | Cefixime 30 µg 5x50 Discs |
| 7015 | Cefixime 5 µg 5x50 Discs |
| 7428 | Cefixime/clavulanic acid 30 µg 5x50 Discs |

Reference Feature

| | |
|------|--|
| 7405 | Cefixime/cloxacillin 40 µg 5x50 Discs |
| 7406 | Cefmetazole 30 µg 5X50 Discs |
| 7169 | Cefodizime 30 µg 5x50 Discs |
| 7100 | Cefonicid 30 µg 5x50 Discs |
| 7170 | Cefoperazone 30 µg 5x50 Discs |
| 7016 | Cefoperazone 75 µg 5x50 Discs |
| 7171 | Cefoperazone/sulbactam 105 µg 5X50 Discs |
| 7101 | Cefotaxime 10 µg 5x50 Discs |
| 7017 | Cefotaxime 30 µg 5X50 Discs |
| 7018 | Cefotaxime 5 µg 5x50 Discs |
| 7019 | Cefotaxime/boronic acid 430 µg 5x50 Discs |
| 7407 | Cefotaxime/clavulanic acid 15 µg 5X50 Discs |
| 7020 | Cefotaxime/clavulanic acid 40 µg 5X50 Discs |
| 7393 | Cefotaxime/cloxacillin 780 µg 5X50 Discs |
| 7408 | Cefotaxime/sulbactam 40 µg 5X50 Discs |
| 7409 | Cefotaxime/tazobactam 40 µg 5X50 Discs |
| 7021 | Cefotetan 30 µg 5X50 Discs |
| 7429 | Cefotiam 30 µg 5X50 Discs |
| 7174 | Cefoxitin 10 µg 5x50 Discs |
| 7022 | Cefoxitin 30 µg 5X50 Discs |
| 7175 | Cefoxitin/Boronic acid 430 µg 5x50 Discs |
| 7410 | Cefoxitin/cloxacillin 30 µg 5x50 Discs |
| 7023 | Cefpirome 30 µg 5X50 Discs |
| 7024 | Cefpodoxime 10 µg 5X50 Discs |
| 7176 | Cefpodoxime 30 µg 5x50 Discs |
| 7177 | Cefpodoxime/clavulanic acid 11 µg 5x50 Discs |
| 7178 | Cefpodoxime/clavulanic acid 40 µg 5x50 Discs |
| 7102 | Cefprozil 30 µg 5x50 Discs |
| 7179 | Cefquinome 10 µg 5x50 Discs |
| 7180 | Cefquinome 30 µg 5X50 Discs |
| 7025 | Cefsulodin 30 µg 5X50 Discs |
| 7181 | Ceftaroline 30 µg 5x50 Discs |
| 7411 | Ceftaroline 5 µg 5x50 Discs |
| 7103 | Ceftazidime 10 µg 5x50 Discs |
| 7026 | Ceftazidime 30 µg 5X50 Discs |
| 7432 | Ceftazidime/avibactam 20 µg 5X50 Discs |
| 7182 | Ceftazidime/boronic acid 430 µg 5X50 Discs |
| 7027 | Ceftazidime/clavulanic acid 40 µg 5X50 Discs |
| 7412 | Ceftazidime/clavulanic acid 20 µg 5X50 Discs |
| 7394 | Ceftazidime/cloxacillin 780µg 5x50 Discs |
| 7183 | Ceftazidime/tazobactam 40 µg 5x50 Discs |
| 7104 | Ceftibuten 30 µg 5x50 Discs |
| 7184 | Ceftiofur 30 µg 5X50 Discs |
| 7028 | Ceftizoxime 30 µg 5X50 Discs |
| 7185 | Ceftriaxone 10 µg 5x50 Discs |
| 7029 | Ceftriaxone 30 µg 5X50 Discs |
| 7186 | Ceftriaxone 5 µg 5X50 Discs |
| 7187 | Ceftriaxone/clavulanic acid 40 µg 5x50 Discs |
| 7413 | Ceftriaxone/tazobactam 40 µg 5x50 Discs |
| 7030 | Cefuroxime 30 µg 5x50 Discs |
| 7188 | Cefuroxime 5 µg 5X50 Discs |
| 7189 | Cefuroxime axetil 10 µg 5x50 Discs |
| 7190 | Cefuroxime axetil 30 µg 5X50 Discs |
| 7031 | Cephalexin 30 µg 5x50 Discs |
| 7191 | Cephalonium 30 µg 5x50 Discs |
| 7433 | Cephaloridine 30 µg 5x50 Discs |
| 7414 | Cephalothin 10 µg 5x50 Discs |
| 7032 | Cephalothin 30 µg 5x50 Discs |



Antibiotic discs

| Reference | Feature | Reference | Feature |
|-----------|---|-----------|---|
| 7192 | Cephadrine 30 µg 5x50 Discs | 7234 | Erythromycin 10 µg 5x50 Discs |
| 7193 | Chloramphenicol 10 µg 5x50 Discs | 7048 | Erythromycin 15 µg 5x50 Discs |
| 7033 | Chloramphenicol 30 µg 5x50 Discs | 7235 | Erythromycin 30 µg 5x50 Discs |
| 7194 | Chloramphenicol 5 µg 5x50 Discs | 7236 | Erythromycin 5 µg 5X50 Discs |
| 7195 | Chloramphenicol 50 µg 5x50 Discs | 7417 | Erythromycin 60 µg 5X50 Discs |
| 7196 | Chlortetracycline 30 µg 5X50 Discs | 7237 | Fleroxacin 5 µg 5x50 Discs |
| 7197 | Ciclopirox olamine 50 µg 5X50 Discs | 7238 | Florfenicol 30 µg 5x50 Discs |
| 7105 | Cinoxacin 100 µg 5x50 Discs | 7239 | Flucloxacillin 5 µg 5x50 Discs |
| 7106 | Ciprofloxacin 1 µg 5x50 Discs | 7112 | Fluconazole 10 µg 5x50 Discs |
| 7199 | Ciprofloxacin 10 µg 5x50 Discs | 7240 | Fluconazole 100 µg 5x50 Disc |
| 7200 | Ciprofloxacin 30 µg 5x50 Discs | 7241 | Fluconazole 25 µg 5X50 Discs |
| 7034 | Ciprofloxacin 5 µg 5x50 Discs | 7242 | Fluconazole 50 µg 5X50 Discs |
| 7201 | Ciprofloxacin 50 µg 5x50 Discs | 7113 | Flucytosine 1 µg 5x50 Discs |
| 7035 | Clarithromycin 15 µg 5x50 Discs | 7243 | Flumequine 30 µg 5x50 Discs |
| 7202 | Clarithromycin 2 µg 5 µg 5x50 Discs | 7049 | Fosfomycin 200 µg 5x50 Discs |
| 7203 | Clarithromycin 5 µg 5x50 Discs | 7418 | Fosfomycin 30 µg 5x50 Discs |
| 7415 | Clavulanic acid 15 µg 5x50 Discs | 7114 | Fosfomycin 50 µg 5x50 Discs |
| 7204 | Clinafloxacin 5 µg 5x50 Discs | 7244 | Fosfomycin/trometamol 200 µg 5x50 Discs |
| 7107 | Clindamycin 10 µg 5x50 Discs | 7245 | Fosfomycin/trometamol 50 µg 5x50 Discs |
| 7205 | Clindamycin 15 µg 5x50 Discs | 7246 | Framycetin 100 µg 5 µg 5x50 Discs |
| 7040 | Clindamycin 2 µg 5x50 Discs | 7247 | Furazolidone 100 µg 5X50 Discs |
| 7041 | Clotrimazole 10 µg 5x50 Discs | 7248 | Furazolidone 15 µg 5x50 Discs |
| 7416 | Clotrimazole 20 µg 5x50 Discs | 7249 | Furazolidone 50 µg 5X50 Discs |
| 7206 | Clotrimazole 300 µg 5x50 Discs | 7050 | Fusidic acid 10 µg 5x50 Discs |
| 7207 | Clotrimazole 50 µg 5x50 Discs | 7250 | Fusidic acid 30 µg 5x50 Discs |
| 7108 | Cloxacillin 1 µg 5x50 Discs | 7251 | Fusidic acid 5 µg 5 µg 5x50 Discs |
| 7208 | Cloxacillin 10 µg 5x50 Discs | 7252 | Fusidic acid 50 µg 5x50 Discs |
| 7209 | Cloxacillin 30 µg 5x50 Discs | 7253 | Garenoxacin 5 µg 5 µg 5x50 Discs |
| 7210 | Cloxacillin 5 µg 5x50 Discs | 7254 | Gatifloxacin 10 µg 5X50 Discs |
| 7211 | Cloxacillin 500 µg 5 µg 5x50 Discs | 7255 | Gatifloxacin 30 µg 5 µg 5x50 Discs |
| 7043 | Colistin 10 µg 5x50 Discs | 7115 | Gatifloxacin 5 µg 5x50 Discs |
| 7212 | Colistin 100 µg 5X50 Discs | 7116 | Gemifloxacin 5 µg 5x50 Discs |
| 7213 | Colistin 25 µg 5x50 Discs | 7051 | Gentamicin 10 µg 5x50 Discs |
| 7430 | Colistin 40 µg 5x50 Discs | 7117 | Gentamicin 120 µg 5x50 Discs |
| 7214 | Colistin 50 µg 5x50 Discs | 7256 | Gentamicin 15 µg 5x50 Discs |
| 7215 | Danofloxacin 5 µg 5X50 Discs | 7257 | Gentamicin 200 µg 5x50 Discs |
| 7216 | Daptomycin 30 µg 5X50 Discs | 7258 | Gentamicin 250 µg 5x50 Discs |
| 7217 | Dibekacin 10 µg 5x50 Discs | 7118 | Gentamicin 30 µg 5x50 Discs |
| 7385 | Dicloxacinil 1 µg 5x50 Discs | 7259 | Gentamicin 50 µg 5X50 Discs |
| 7218 | Difloxacin 10 µg 5x50 Discs | 7119 | Gentamicin 500 µg 5x50 Discs |
| 7147 | Dirithromycin 15 µg 5x50 Discs | 7260 | Griseofulvin 10 µg 5x50 Discs |
| 7158 | Dispenser (6 Magazine) | 7052 | Imipenem 10 µg 5x50 Discs |
| 7219 | Dispenser (8 Magazine) | 7227 | Imipenem/ EDTA 10 µg 5x50 Discs |
| 7110 | Doripenem 10 µg 5x50 Discs | 7198 | Imipenem/Cilastatin 20 µg 5x50 Discs |
| 7220 | Doxycycline 10 µg 5x50 Discs | 7226 | Imipenem/EDTA 292 µg 5x50 Discs |
| 7044 | Doxycyclina 30 µg 5x50 Discs | 7228 | Imipenem/EDTA 750 µg 5x50 Discs |
| 7221 | Econazole 10 µg 5X50 Discs | 7262 | Isepamicin 30 µg 5X50 Discs |
| 7045 | Econazole 50 µg 5x50 Discs | 7263 | Isoniazid 1 µg 5X50 Discs |
| 7222 | EDTA 750 µg 5X50 Discs | 7264 | Isoniazid 5 µg 5x50 Discs |
| 7223 | EDTA 930 µg 5x50 Discs | 7120 | Itraconazole 10 µg 5x50 Discs |
| 7231 | EDTA/SMA 750 µg 5X50 Discs | 7265 | Itraconazole 50 µg 5X50 Discs |
| 7111 | Enoxacin 10 µg 5x50 Discs | 7054 | Kanamycin 1000 µg 5x50 Discs |
| 7232 | Enrofloxacin 10 µg 5x50 Discs | 7266 | Kanamycin 2 µg 5X50 Discs |
| 7233 | Enrofloxacin 5 µg 5x50 Discs | 7053 | Kanamycin 30 µg 5x50 Discs |
| 7047 | Ertapenem 10 µg 5x50 Discs | 7267 | Kanamycin 5 µg 5X50 Discs |
| 7395 | Ertapenem/cloxacillin 760 µg 5x50 Discs | 7268 | Kanamycin 50 µg 5X50 Discs |
| 7224 | Ertapenem/EDTA 292 µg 5X50 Discs | 7419 | Kanamycin/cephalexin 45 µg 5X50 Discs |
| 7225 | Ertapenem/EDTA 750 µg 5 µg 5x50 Discs | 7269 | Ketoconazole 10 µg 5X50 Discs |

Antibiotic discs

| Reference | Feature | Reference | Feature |
|-----------|---|-----------|---|
| 7055 | Ketoconazole 50 µg 5x50 Discs | 7065 | Netilmicin 30 µg 5X50 Discs |
| 7270 | Levofloxacin 1 µg 5X50 Discs | 7421 | Netilmicin 5 µg 5x50 Discs |
| 7271 | Levofloxacin 15 µg 5x50 Discs | 7297 | Nitrocefin 5x50 Discs |
| 7056 | Levofloxacin 5 µg 5X50 Discs | 7131 | Nitrofurantoin 100 µg 5x50 Discs |
| 7272 | Lincomycin 10 µg 5X50 Discs | 7298 | Nitrofurantoin 200 µg 5x50 Discs |
| 7057 | Lincomycin 15 µg 5x50 Discs | 7066 | Nitrofurantoin 300 µg 5x50 Discs |
| 7273 | Lincomycin 2 µg 5x50 Discs | 7299 | Nitrofurantoin 50 µg 5x50 Discs |
| 7274 | Lincomycin 30 µg 5x50 Discs | 7132 | Nitrofurazone 100 µg 5x50 Discs |
| 7275 | Lincomycin/neomycin 75 µg 5x50 Discs | 7300 | Nitroxoline 20 µg 5X50 Discs |
| 7276 | Lincomycin/spectinomycin 109 µg 5x50 Discs | 7301 | Nitroxoline 30 µg 5X50 Discs |
| 7122 | Linezolid 10 µg 5x50 Discs | 7067 | Norfloxacin 10 µg 5x50 Discs |
| 7121 | Linezolid 30 µg 5x50 Discs | 7302 | Norfloxacin 2 µg 5x50 Discs |
| 7277 | Linezolid 5 µg 5x50 Discs | 7303 | Norfloxacin 30 µg 5X50 Discs |
| 7123 | Lomefloxacin 10 µg 5x50 Discs | 7133 | Norfloxacin 5 µg 5x50 Discs |
| 7278 | Lomefloxacin 30 µg 5x50 Discs | 7304 | Novobiocin 10 µg 5x50 Discs |
| 7148 | Loracarbef 10µg 5x50 Discs | 7305 | Novobiocin 30 µg 5x50 Discs |
| 7431 | Loracarbef 30µg 5x50 Discs | 7068 | Novobiocin 5 µg 5x50 Discs |
| 7279 | Marbofloxacin 5 µg 5x50 Discs | 7069 | Nystatin 100 U 5X50 Discs |
| 7058 | Mecillinam 10 µg 5x50 Discs | 7307 | O129 10 µg 5X50 Discs |
| 7280 | Mecillinam 25 µg 5x50 Discs | 7308 | O129 150 µg 5 x50 Discs |
| 7059 | Meropenem 10 µg 5x50 Discs | 7070 | Ofloxacin 10 µg 5x50 Discs |
| 7397 | Meropenem 10 µg/boronic acid 610 µg 5X50 Discs | 7309 | Ofloxacin 2 µg 5x50 Discs |
| 7388 | Meropenem/Cloxacillin 760 µg 5x50 Discs | 7071 | Ofloxacin 5 µg 5X50 Discs |
| 7389 | Meropenem/Dipicilonic acid 1010 µg 5x50 Disc | 7310 | Oleandomycin 15 µg 5x50 Discs |
| 7229 | Meropenem/EDTA 292 µg 5x50 Discs | 7072 | ONPG 5x50 Discs |
| 7230 | Meropenem/EDTA 750 µg 5X50 Discs | 7073 | Optochin 5 µg 5x50 Discs |
| 7435 | Meropenem/EDTA 930 µg 5X50 Discs | 7311 | Orbifloxacin 10 µg 5x50 Disc |
| 7396 | Meropenem/phenyl boronic acid 400 µg 5X50 Discs | 7074 | Oxacillin 1 µg 5x50 Discs |
| 7281 | Methicillin 10 µg 5x50 Discs | 7312 | Oxacillin 10 µg 5x50 Discs |
| 7282 | Methicillin 30 µg 5x50 Discs | 7313 | Oxacillin 5 µg 5x50 Discs |
| 7283 | Methicillin 5 µg 5X50 Discs | 7146 | Oxidase Disc 5x50 Disc |
| 7284 | Metronidazole 10 µg 5x50 Discs | 7075 | Oxidase Test 1 x 50 Strips |
| 7285 | Metronidazole 2,5 µg 5x50 Discs | 7422 | Oxolinic acid 10 µg 5x50 Discs |
| 7286 | Metronidazole 30 µg 5x50 Discs | 7314 | Oxolinic acid 2 µg 5x50 Discs |
| 7287 | Metronidazole 4 µg 5x50 Discs | 7315 | Oxytetracycline 30 µg 5x50 Discs |
| 7124 | Metronidazole 5 µg 5x50 Discs | 7316 | Paromomycin 10 µg 5x50 Discs |
| 7288 | Metronidazole 50 µg 5x50 Discs | 7076 | Pefloxacin 5 µg 5x50 Discs |
| 7289 | Metronidazole 80 µg 5x50 Discs | 7134 | Penicillin G 1 U 5x50 Discs |
| 7126 | Mezlocillin 30 µg 5x50 Discs | 7317 | Penicillin G 1.5 U µg 5x50 Discs |
| 7125 | Mezlocillin 75 µg 5x50 Discs | 7077 | Penicillin G 10 U 5x50 Discs |
| 7060 | Miconazole 10 µg 5x50 Discs | 7318 | Penicillin G 2 U µg 5X50 Discs |
| 7420 | Miconazole 30 µg 5x50 Discs | 7319 | Penicillin G 5 U µg 5X50 Discs |
| 7290 | Miconazole 50 µg 5x50 Discs | 7320 | Penicillin V 10 U µg 5x50 Discs |
| 7291 | Minocycline 25 µg 5x50 Discs | 7306 | Penicillin/novobiocin 40 µg 5x50 Discs |
| 7061 | Minocycline 30 µg 5x50 Discs | 7321 | Pimaricin 10 µg 5x50 Discs |
| 7127 | Moxalactam 30 µg 5x50 Discs | 7423 | Pipemidic acid 2 µg 5x50 Discs |
| 7292 | Moxifloxacin 1 µg 5X50 Discs | 7322 | Pipemidic acid 20 µg 5x50 Discs |
| 7062 | Moxifloxacin 5 µg 5X50 Discs | 7323 | Pipemidic acid 30 µg 5X50 Discs |
| 7293 | Mupirocin 20 µg 5x50 Discs | 7078 | Piperacillin 100 µg 5x50 Discs |
| 7129 | Mupirocin 200 µg 5x50 Discs | 7135 | Piperacillin 30 µg 5x50 Discs |
| 7128 | Mupirocin 5 µg 5x50 Discs | 7324 | Piperacillin 75 µg 5X50 Discs |
| 7130 | Nafcillin 1 µg 5x50 Discs | 7079 | Piperacillin/tazobactam 110 µg 5x50 Discs |
| 7063 | Nalidixic acid 30 µg 5x50 Discs | 7136 | Piperacillin/tazobactam 36 µg 5x50 Discs |
| 7383 | Neomycin 10 µg 5X50 Discs | 7325 | Piperacillin/tazobactam 40 µg 5x50 Discs |
| 7064 | Neomycin 30 µg 5x50 Discs | 7326 | Piperacillin/tazobactam 85 µg 5x50 Discs |
| 7294 | Neomycin 5 µg 5x50 Discs | 7327 | Pirlimycin 2 µg 5X50 Discs |
| 7295 | Neomycin B 10 µg 5X50 Discs | 7328 | Polymixin B 100 U 5X50 Discs |
| 7296 | Netilmicin 10 µg 5x50 Discs | 7080 | Polymixin B 300 U µg 5x50 Discs |

Antibiotic discs

Reference Feature

| | |
|------|--|
| 7329 | Polymixin B 50 U µg 5x50 Discs |
| 7330 | Posaconazole 5 µg 5x50 Discs |
| 7331 | Pristinamycin 15 µg 5x50 Discs |
| 7172 | Prulifloxacin 5 µg 5X50 Discs |
| 7333 | PYR 1 x 50 Strips |
| 7332 | PYR 50 5x50Discs |
| 7109 | Quinupristin/dalfopristin 15 µg 5x50 Discs |
| 7424 | Rifampin (Rifampicin) 1 µg 5x50 Discs |
| 7334 | Rifampin (Rifampicin) 15 µg 5x50 Discs |
| 7335 | Rifampin (Rifampicin) 2 µg 5x50 Discs |
| 7336 | Rifampin (Rifampicin) 30 µg 5X50 Discs |
| 7081 | Rifampin (Rifampicin) 5 µg 5x50 Discs |
| 7337 | Rifamycin SV 30 µg 5X50 Discs |
| 7338 | Rifaximin 40 µg 5X50 Discs |
| 7339 | Roxithromycin 15 µg 5X50 Discs |
| 7340 | Roxithromycin 30 µg 5x50 Discs |
| 7341 | Sarofloxacin 5 µg 5X50 Discs |
| 7342 | Sisomycin 10 µg 5X50 Discs |
| 7343 | Sodium polyanethol sulfonate 5X50 Discs |
| 7344 | Sparfloxacin 10 µg 5X50 Discs |
| 7138 | Sparfloxacin 5 µg 5x50 Discs |
| 7345 | Spectinomycin 10 µg 5x50 Discs |
| 7082 | Spectinomycin 100 µg 5x50 Discs |
| 7346 | Spectinomycin 25 µg 5X50 Discs |
| 7139 | Spiramycin 10 µg 5x50 Discs |
| 7347 | Spiramycin 100 µg 5x50 Discs |
| 7348 | Spiramycin 30 µg 5x50 Discs |
| 7083 | Streptomycin 10 µg 5x50 Discs |
| 7349 | Streptomycin 25 µg 5x50 Discs |
| 7084 | Streptomycin 300 µg 5x50 Discs |
| 7140 | Streptomycin 500 µg 5x50 Discs |
| 7350 | Sulfadiazine 100 µg 5x50 Discs |
| 7351 | Sulfadiazine 300 µg 5X50 Discs |
| 7353 | Sulfathiazole 300 µg 5x50 Discs |
| 7141 | Sulfisoxazole 250 µg 5x50 Discs |
| 7354 | Sulfisoxazole 30 µg 5x50 Discs |
| 7355 | Sulfisoxazole 300 µg 5x50 Discs |
| 7356 | Sulphamethoxazole 100 µg 5X50 Discs |
| 7357 | Sulphamethoxazole 200 µg 5X50 Discs |
| 7358 | Sulphamethoxazole 25 µg 5x50 Discs |
| 7359 | Sulphamethoxazole 300 µg 5X50 Discs |
| 7360 | Sulphamethoxazole 50 µg 5x50 Discs |
| 7088 | Teicoplanin 30 µg 5x50 Discs |
| 7434 | Teicoplanin/norflloxacin 5x50 Discs |
| 7089 | Telithromycin 15 µg 5x50 Discs |
| 7143 | Temocillin 30 µg 5x50 Discs |
| 7361 | Terbinafine 30 µg 5x50 Discs |
| 7362 | Tetracycline 10 µg 5x50 Discs |
| 7090 | Tetracycline 25 µg 5x50 Discs |
| 7091 | Tetracycline 30 µg 5x50 Discs |
| 7425 | Tetracycline 5 µg 5x50 Discs |
| 7363 | Thiamphenicol 30 µg 5x50 Discs |
| 7398 | Tiamullin 30 µg 5x50 Discs |
| 7426 | Tiamullin 50 µg 5x50 Discs |
| 7092 | Ticarcillin 75 µg 5x50 Discs |
| 7144 | Ticarcillin/clavulanic acid 85 µg 5x50 Discs |
| 7093 | Tigecycline 15 µg 5x50 Discs |

Reference Feature

| | |
|------|--|
| 7364 | Tilmicosin 15 µg 5X50 Discs |
| 7094 | Tobramycin 10 µg 5x50 Discs |
| 7365 | Tobramycin 30 µg 5X50 Discs |
| 7150 | Trigger Antibiotic Disc Dispenser |
| 7366 | Trimethoprim 1,25 µg 5X50 Discs |
| 7367 | Trimethoprim 10 µg 5x50 Discs |
| 7368 | Trimethoprim 2,5 µg 5 x50 Discs |
| 7046 | Trimethoprim 25 µg 5x50 Discs |
| 7369 | Trimethoprim 30 µg 5X50 Discs |
| 7370 | Trimethoprim 5 µg 5x50 Discs |
| 7352 | Trimethoprim Sulfadiazine 30 µg 5x50 Discs |
| 7042 | Trimethoprim/sulphamethoxazol 25 µg 5x50 Discs |
| 7371 | Triple sulphonamides 1000 µg 5X50 Discs |
| 7372 | Triple sulphonamides 250 µg 5X50 Discs |
| 7373 | Triple sulphonamides 300 µg 5x50 Discs |
| 7399 | Trovafloxacin 10 µg 5x50 Discs |
| 7374 | Tulathromycin 30 µg 5X50 Discs |
| 7375 | Tylosin 15 µg 5X50 Discs |
| 7376 | Tylosin 30 µg 5X50 Discs |
| 7377 | Tylosin 60 µg 5X50 Discs |
| 7378 | V factor disc 5X50 Discs |
| 7379 | Vancomycin 10 µg 5X50 Discs |
| 7173 | Vancomycin 120 µg 5X50 Discs |
| 7145 | Vancomycin 30 µg 5x50 Discs |
| 7380 | Vancomycin 5 µg 5x50 Discs |
| 7381 | Virginamycin 15 µg 5X50 Discs |
| 7382 | Voriconazole 1 µg 5X50 Discs |
| 7159 | X + V factor disc 5X50 Discs |
| 7160 | X factor disc 5X50 Discs |

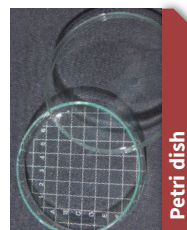


YOU MAY ALSO LIKE:

→ **Petri dish** (ref. 50585412)

→ **Analytic Balance** (ref. RWWLY6/D2)

→ **Culture tube** (ref. 36435125)



Molecular Biology

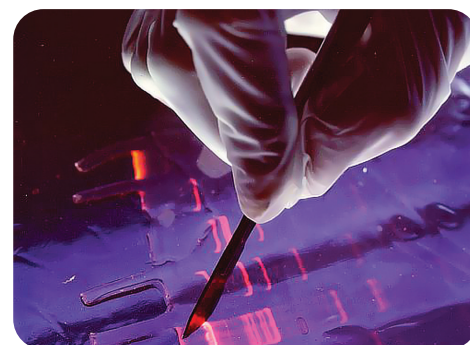
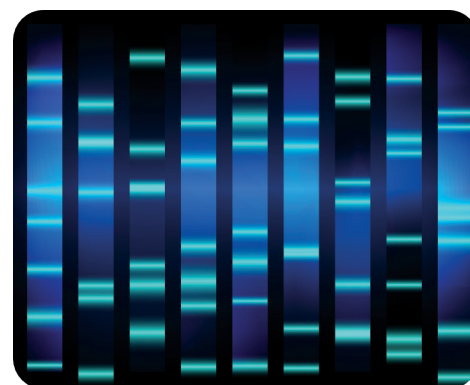
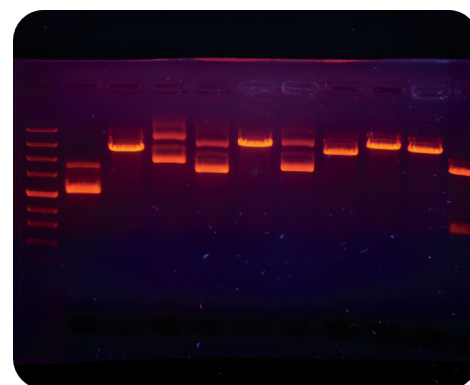
Agaroses

| Reference | | Moisture | Ash | Electroendosmosis | Sulfate | Clarity 1.5% | Gel Strength 1% (g/cm2) | Gel Strength 1.5% (g/cm2) | Gelling Temperature 1.5% (°C) | Melting Temperature 1.5% (°C) |
|-----------------------|-----------------------|----------|---------|-------------------|---------|--------------|-------------------------|---------------------------|-------------------------------|-------------------------------|
| Standard | 8100 E | ≤ 10% | ≤ 0.4% | 0.05-0.13 | ≤ 0.1% | ≤ 4 | ≥ 1000 | ≥ 2200 | 36 ± 1.5 | 88 ± 1.5 |
| | 8010 D1 LOW EEO | ≤ 10% | ≤ 0.45% | 0.05-0.13 | ≤ 0.1% | ≤ 3 | ≥ 1200 | ≥ 2500 | 36 ± 1.5 | 88 ± 1.5 |
| | 8019 D1 MEDIUM EEO | ≤ 10% | ≤ 1% | 0.16-0.19 | ≤ 0.14% | ≤ 4 | ≥ 1000 | ≥ 2200 | 36 ± 1.5 | 88 ± 1.5 |
| | 8024 D1 HIGH EEO | ≤ 10% | ≤ 0.4% | 0.23-0.26 | ≤ 0.2% | ≤ 4 | ≥ 750 | ≥ 1200 | 36 ± 1.5 | 88 ± 1.5 |
| | 8017 D1 LOW EEO - GQT | ≤ 10% | ≤ 0.5% | 0.05-0.13 | ≤ 0.1% | ≤ 3 | ≥ 1200 | ≥ 2500 | 36 ± 1.5 | 88 ± 1.5 |
| | 8032 D2 | ≤ 10% | ≤ 0.4% | ≤ 0.14 | ≤ 0.2% | ≤ 4 | ≥ 900 | ≥ 1200 | 42 ± 1.5 | 87 ± 1.5 |
| | 8045 D5 | ≤ 10% | ≤ 0.25% | ≤ 0.12 | ≤ 0.12% | ≤ 4 | ≥ 1800 | ≥ 3200 | 36 ± 1.5 | 88 ± 1.5 |
| | 8090 F.P. DNA | ≤ 10% | ≤ 0.4% | ≤ 0.13 | ≤ 0.14% | - | ≥ 1400 | - | 36 ± 1.5 | 88 ± 1.5 |
| Low melting point | 8092 SIEVE | ≤ 10% | ≤ 0.4% | ≤ 0.10 | ≤ 0.12% | - | (4%) ≥ 1000 | - | (4%) ≤ 35 | (4%) ≤ 65 |
| | 8093 NOVAGEL GQT | ≤ 10% | ≤ 0.4% | ≤ 0.13 | ≤ 0.12% | (4%) ≤ 6 | (4%) ≥ 800 | - | (4%) ≤ 35 | (4%) ≤ 65 |
| | 8050 LM | ≤ 10% | ≤ 0.3% | ≤ 0.12 | ≤ 0.12% | ≤ 4 | - | ≥ 500 | 24-28 | ≤ 65.5 |
| | 8091 LM GQT | ≤ 10% | ≤ 0.45% | ≤ 0.12 | ≤ 0.12% | ≤ 4 | - | ≥ 500 | 24-28 | ≤ 65.5 |
| High (DNA) Resolution | 8075 M.S. - 4 | ≤ 10% | ≤ 0.4% | ≤ 0.12 | ≤ 0.11% | (3%) ≤ 6 | (3%) ≥ 500 | - | (3%) ≤ 31 | (3%) ≤ 76 |
| | 8001 M.S. - 6 | ≤ 10% | ≤ 0.4% | ≤ 0.12 | ≤ 0.1% | (3%) ≤ 4 | (3%) ≥ 800 | - | (3%) ≤ 35 | (3%) ≤ 75 |
| | 8065 M.S. - 8 | ≤ 10% | ≤ 0.4% | ≤ 0.12 | ≤ 0.11% | (3%) ≤ 5 | (3%) ≥ 600 | - | (3%) ≤ 35.5 | (3%) ≤ 80 |
| | 8067 M.S. - 12 | ≤ 10% | ≤ 0.4% | ≤ 0.12 | ≤ 0.11% | ≤ 5 | (1.5%) ≥ 2000 | - | (4%) ≤ 40.5 | (4%) ≤ 93 |

| Agarose staining | | |
|------------------|------------------|---------|
| Reference | Feature | Package |
| LCKK130 | Prona Safe Stain | 1 ml |

Agarose applications

| Reference | Analytical separation ≥ 1000 bp | Analytical separation ≤ 1000 bp | Preparative electrophoresis | PFGE | DNA typing | Blotting | Fine resolution | In-gel applications | Protein electrophoresis |
|-----------|--------------------------------------|--------------------------------------|-----------------------------|------|------------|----------|-----------------|---------------------|-------------------------|
| 8100 | • | | | | | • | | | |
| 8010 | • | | | | • | • | | | |
| 8019 | | | | | | | | | • |
| 8024 | | | | | | | | | • |
| 8017 | • | | • | | • | • | | | |
| 8032 | • | | | | | | | | • |
| 8045 | • | | | • | | • | | | |
| 8090 | • | | | | • | • | | | |
| 8092 | | • | • | | | | • | • | |
| 8093 | | • | • | | | | • | • | |
| 8050 | • | | | | | | | | |
| 8091 | • | | • | | | | | • | |
| 8075 | | • | | | | | • | | • |
| 8001 | | • | | | | | • | | • |
| 8065 | | • | | | | | • | | • |
| 8067 | | • | | | | • | | | |



Dehydrated culture media

| Reference | Feature | |
|-----------|---|-----------|
| 1560 | Aminoacid mix | 100 grams |
| 1543 | Grace's medium supplement | 100 grams |
| 1540 | Induction base medium | 500 grams |
| 1083 | Lb agar (lennox) | 500 grams |
| 1231 | Lb broth (lennox) | 500 grams |
| 2039 | Lb (lennox) vegetal agar | 500 grams |
| 2038 | Lb (lennox) vegetal broth | 500 grams |
| 1308 | LURIA AGAR (Miller's modification) | 500 grams |
| 1266 | LURIA BROTH (Miller's modification) | 500 grams |
| 1552 | Luria agar (miller's lb agar) | 500 grams |
| 1551 | Luria broth (miller's lb broth) | 500 grams |
| 1549 | Nzcym broth | 500 grams |
| 1542 | Rm base agar medium | 500 grams |
| 1538 | Rm base medium | 500 grams |
| 1432 | Slb AGAR | 500 grams |
| 1163 | Slb BROTH | 500 grams |
| 1199 | Slb BROTH (BUFFERED) | 500 grams |
| 1541 | Sob medium | 500 grams |
| 2019 | Soc medium | 500 grams |
| 1246 | Terrific broth | 500 grams |
| 1548 | Terrific broth modified | 500 grams |
| 1499 | Terrific broth (no animal origin) | 500 grams |
| 1545 | Yeast nitrogen base w/o added aminoacids & w/ ammonium sulfate | 500 grams |
| 1553 | Yeast nitrogen base w/o added aminoacids & w/o ammonium sulfate | 500 grams |
| 1513 | Yp agar base medium | 500 grams |
| 1511 | Yp base medium | 500 grams |
| 1546 | Ypd agar | 500 grams |
| 1547 | Ypd broth | 500 grams |
| 1167 | 2xyt AGAR | 500 grams |
| 1507 | 2xyt MEDIUM | 500 grams |

Peptones, agars and ingredients

Agar

| Reference | Feature | Package |
|-----------|-------------------------------|-----------|
| 1802 | American bacteriological agar | 500 grams |
| 1803 | Bacteriological p agar | 500 grams |
| 1800 | European bacteriological agar | 500 grams |
| 1804 | Industrial agar | 500 grams |
| 1816 | Pharmaceutical agar | 500 grams |
| 1812 | Plant propagation agar (ppa) | 500 grams |
| 1806 | Purified agar | 500 grams |

Carbohydrates and Glucosides (Bacteriological Grade)

| Reference | Feature | Package |
|-----------|-------------------|-----------|
| 1900 | Dextrose | 500 grams |
| 1902 | Lactose | 500 grams |
| 1904 | Maltose certified | 500 grams |
| 1906 | Sucrose | 500 grams |

Peptones

| Reference | Feature | Package |
|-----------|----------------------------------|-----------|
| 1604 | Acid casein peptone (h) | 500 grams |
| 1704 | Bacteriological gelatin | 500 grams |
| 1710 | Bacteriological oxbile | 500 grams |
| 1616 | Bacteriological peptone | 500 grams |
| 1700 | Beef extract | 500 grams |
| 1706 | Bile salts nº 3 | 500 grams |
| 1603 | Casein c.C. Peptone | 500 grams |
| 1602 | Casein peptone | 500 grams |
| 1718 | Casein peptone nº 3 | 500 grams |
| 1606 | Gelatin peptone | 500 grams |
| 1714 | Heart infusion | 500 grams |
| 1626 | Lactalbumin hydrolisate | 500 grams |
| 1703 | Liver peptone | 500 grams |
| 1708 | Malt extract | 500 grams |
| 1600 | Meat peptone | 500 grams |
| 1922 | Mycological peptone | 500 grams |
| 1628 | Peptonized milk | 500 grams |
| 1610 | Polypeptone | 500 grams |
| 1712 | Pork brain heart infusion | 500 grams |
| 1716 | Pork heart infusion | 500 grams |
| 1624 | Pork meat peptone | 500 grams |
| 1607 | Proteose peptone nº 3 | 500 grams |
| 1609 | Proteose peptone | 500 grams |
| 0230 | Skimmed milk powder | 500 grams |
| 1608 | Soy peptone | 500 grams |
| 1615 | Soy peptone gmo-free animal free | 500 grams |
| 1612 | Tryptone | 500 grams |
| 1614 | Tryptose | 500 grams |
| 1702 | Yeast extract | 500 grams |

YOU MAY ALSO LIKE:

→ **Electronic pipette single channel** (ref. GF81013)

→ **Electronic pipette multichannel** (ref. BH735021)

Check our **Liquid Handling** section for more details and models



Staining

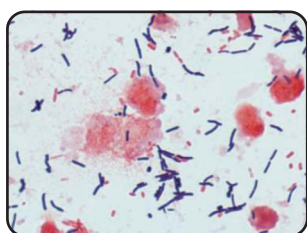
NORMAX has established a collaboration with QCA in a diversity of products for the biodiagnostics field.

Based on the newest technologies, our partner has been developing IVD reagents in several fields of human diagnostics:

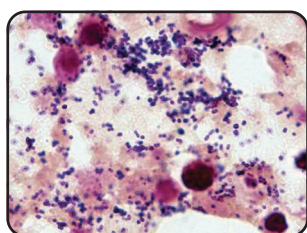
- Clinical chemistry;
- Microbiology;
- Histopathology & Haematology.

Bacteriology Stains

| Reference | Feature | Package (mL) |
|-----------|---|--------------|
| Q993855 | Auramine | 1000 |
| Q999356 | Auramine – Rhodamine | 6 x 250 |
| Q993023 | Carbol Fuchsin | 1000 |
| Q999399 | Carbol Fuchsin Tensoactive | 1000 |
| Q997928 | Carbol Gentian Violet | 500 |
| Q995202 | Crystal Violet | 1000 |
| Q990489 | Gram Decolorizer | 1000 |
| Q997217 | Gram Fuchsin | 1000 |
| Q998800 | Gram PVP Kit (crystal violet + iode PVP + Gram decolorizer + Safranin) | 4 x 250 |
| Q995583 | Iodine PVP | 500 |
| Q998842 | Iodine Solution (Lugol) | 1000 |
| Q998977 | Kühne's Methylene Blue | 1000 |
| Q990962 | Löffler's Methylene Blue | 500 |
| Q996860 | MT Decolorizer | 1000 |
| Q994370 | MT Potassium Permanganate | 1000 |
| Q998715 | Safranin | 1000 |
| Q999320 | TB Auramine – Rhodamine (Truant) Kit | 3 x 250 |
| Q993810 | TB Auramine (morse) Kit: (Auramine (morse) + decolorizer + potassium permanganate) | 3 x 250 |
| Q997115 | TB Decolorizer (BK) | 1000 |
| Q992505 | TB Kinyoun Kit | 3 x 250 |
| Q990879 | TB Ziehl – Neelsen Kit | 3 x 250 |
| Q998272 | TB Ziehl – Neelsen Tensoactive Kit | 3 x 250 |



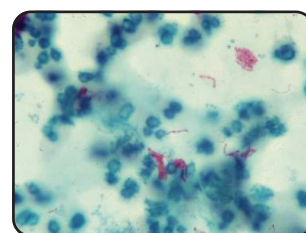
Gram PVP Kit
Clostridium sp. in feces
(ref. Q998800)



Gram PVP Kit
Gram + bacilli in the intestine
(ref. Q998800)



TB Kinyoun Kit
Stain of acid-alcohol resistant bacilli. Mixed culture.
(Ref. Q992505)



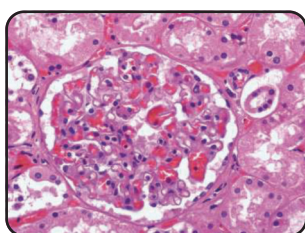
TB Ziehl-Neelsen Kit
Stain of acid-alcohol resistant bacilli in sputum
(Ref. Q990879)

Microbiology Stains

| Reference | Feature | Package (mL) |
|-----------|------------------|--------------|
| Q990030 | Acridin Orange | 250 |
| Q994970 | Lactophenol blue | 100 |
| Q998989 | Malachite green | 2 x 100 |

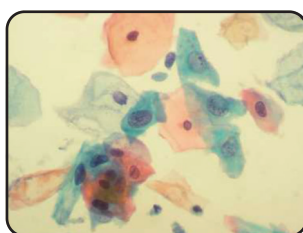
Histopathology Stains

| Reference | Feature | Package (mL) |
|-----------|----------------------------|--------------|
| Q993285 | Alcian Blue | 250 |
| Q991415 | Alcoholic Eosin 1% | 1000 |
| Q991643 | Carazzi's Hematoxylin | 1000 |
| Q996518 | Eosin – Nigrosin | 2 x 10 |
| Q993006 | Eosin 1% (Aqueous) | 1000 |
| Q992232 | Harris' Hematoxylin | 500 |
| Q997750 | Mayer's Hematoxylin | 1000 |
| Q996768 | Perl's Staining | 200 |
| Q996989 | Polychromic Solution EA-36 | 1000 |
| Q991907 | Polychromic Solution EA-50 | 500 |
| Q996964 | Polychromic Solution EA-65 | 1000 |
| Q997602 | Polychromic Solution OG-6 | 2500 |
| Q994502 | Sudan black | 2 x 100 |



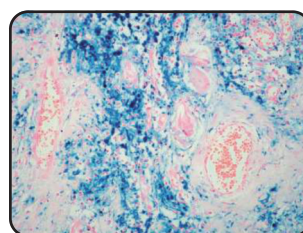
Hematoxylin-eosin staining
Glomerulus (kidney)

(Ref. Q991415)



Papanicolaou staining
Cytology of squamous cells

(Ref. Q991643 or Q992232 or Q997750)



Perl's staining
Iron deposits in epidermal tissue

(Ref. Q996768)

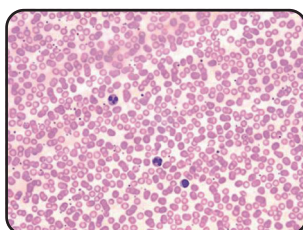
Haematology Stains

| Reference | Feature | Package (mL) |
|-----------|-------------------------------------|--------------|
| Q993660 | Brilliant Cresyl Blue | 100 |
| Q990939 | Giemsa | 1000 |
| Q999718 | May Grünwald | 1000 |
| Q996513 | Phosphate Buffer - Giemsa, pH 7.2 | 8 x 25 |
| Q990345 | Quick Panoptic, Concentrated (1:10) | 3 x 100 |
| Q993090 | Quick Panoptic, Kit (ready to use) | 3 x 500 |
| Q998566 | Quick Panoptic. Reagent Nr. 1 | 1000 |
| Q994878 | Quick Panoptic. Reagent Nr. 2 | 1000 |
| Q990091 | Quick Panoptic. Reagent Nr. 3 | 1000 |
| Q997939 | Wright | 500 |



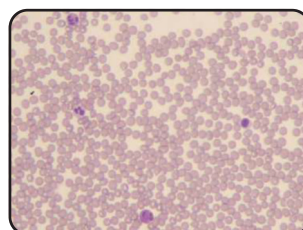
May Grünwald staining/Giemsa staining
Blood smear

(Ref. Q999718/Q990939)



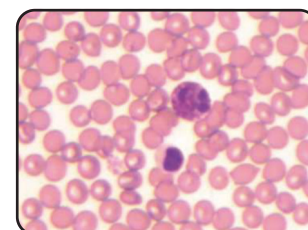
Wright staining
Blood smear

(Ref. Q997939)



Quick panoptic staining
Blood smear

(Ref. Q993090)



Quick panoptic staining
Blood smear

(Ref. Q993090)



Ancillary products

| Reference | Feature | Package (mL) |
|-----------|--|--------------|
| Q998102 | Immersion Oil (for microscopy) | 100 |
| Q995711 | Vaseline Oil | 1000 |
| Q996054 | Deionized water (conduct. <2μS/cm) | 1000 |
| Q998640 | Decalcifier (for bone biopsy) | 2500 |
| Q995640 | Fast decalcifier (for bone marrow biopsy) | 1000 |
| Q990433 | Bouin 's Fixative | 1000 |
| Q991005 | Formaldehyde 4.0% p/v (formalin 10% aprox.) (pH 7; stab. methanol) | 1000 |
| Q991310 | Formaldehyde 30 – 35% p/v (formalin) (pH 7, stab. methanol) | 1000 |
| Q990250 | Formalin Substitute | 5000 |
| Q995967 | Glycerine | 1000 |
| Q991528 | Hayem | 500 |
| Q995450 | Paraffin Chunks (m.p. 52-54°C) | 5000 |
| Q994646 | Paraffin Pearls (m.p. 56-58°C) (for histology) | 1000g |
| Q991095 | Phosphate Buffer Saline (PBS) (pH 7.2 - 150mM) | 10 x 1000 |
| Q996972 | Türk | 500 |
| Q998803 | Xylene Substitute | 5000 |

Note: other quantity package might be available

YOU MAY ALSO LIKE:

- **Microscopes slides** (ref. 5470207C)
- **Staining jar Hellendahl** (ref. 4431000)
- **Microscope B-159, Binocular** (ref. OB-159)



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| NX10000-01210 | 129 | O10000-01111 | 140 | Q993285 | 243 | RWWLC6/A2/C/2 | 144 | S1001335 | 84 | S1102280 | 89 | S3000445 | 136 |
| NX10000-01240 | 129 | O10000-01112 | 140 | Q993660 | 243 | RWWLC6/F1/R | 144 | S1001336 | 84 | S1196120 | 88 | S3000459 | 141 |

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Sales conditions

Price list:

End user price list. For distributor price, the applicable discount should be deducted.
Prices are EXW NORMAX Lda., Rua Santa Isabel, 17 - 2430-475 Marinha Grande - Portugal.
Valid until 31st December 2019.
We reserve the right to adjust the price in case of unforeseen increases in raw materials.

Minimum of orders:

Minimum order value of 500 EUR freight cost excluded required for Europe. For the rest of the world, a minimum order value of 1,000 EUR/USD freight cost excluded is required. Orders below these amounts will have an handling fee of Eur. 50,00.

Added charges, when applicable:

Certificate of origin signed by our local Chamber of Commerce: 70 €.
Legalisation of invoice by our local Chamber of Commerce: 150 € each invoice. Legalisation of any other document at any Embassy or Consulate, or Apostille Convention: According to the charges incurred by NORMAX, Lda.
Quotation requests and order confirmation:
We will validate only quotations or proforma invoice requests by written when including our code references & quantities.

Partial deliveries:

In the absence of a special request or agreement, we are able to provide partial deliveries.
For production reasons, a variation of 15% in the ordered quantity is permissible and it shall be accepted and paid by the customer.

Packaging:

Standard cardboard boxes.

The use of wooden pallets will have an additional cost of 10 €. The use of wooden pallet covered with cardboard box (for pallets up to 1,5 m high, only) in addition to standard packing will be charged at 16 € per pallet.

Credit and payment terms:

Unless otherwise agreed, for orders that do not exceed 10,000 EUR, payment of 100% of the order value shall be made before shipment of the Goods. For orders equal to or exceeding 10,000 EUR, a down payment of 30% of the total order value shall be made by bank transfer at order confirmation date. The remaining 70% shall be paid when goods are ready to be shipped. We expect to receive the remaining payment within 7 days after Goods are ready to be shipped; failure to comply will imply cancellation of the order. If a cancellation of order should occur, we reserve the right to keep the down payment to cover our expenses. Payments by Letter of Credit or Cash Against Documents are accepted only for orders exceeding 10,000 EUR/USD freight charges excluded. When partial deliveries are accepted, due date is calculated when each shipment is made and not when the complete order is shipped. We reserve the right to reject new orders or to cancel any outstanding shipment, when invoices are pending to be paid.

Broken, missing or non-accepted products at goods reception:

In case of receipt of damaged cartons or pallets, it should be immediately reported to the transport company by describing the event in the transporter delivery documents. Also, photos of the damaged packaging and goods will be required.
In case breakage with no damaged packaging, photos are also required.

Return of goods:

The return of goods shall not be accepted if not previously approved by our services.
The freight charges of the returned goods will be at the customer's expense, except if the error or defect is made from Normax Lda, responsibility, in this case, we will only accept shipments made by our forwarders.
Special products manufactured according to customer's specifications cannot be returned.
The return of goods requires our express consent in writing.
The goods to be returned must be properly packaged for safe transportation in their original packaging and labelling.
If these conditions are not respected, the refund will not be accepted.

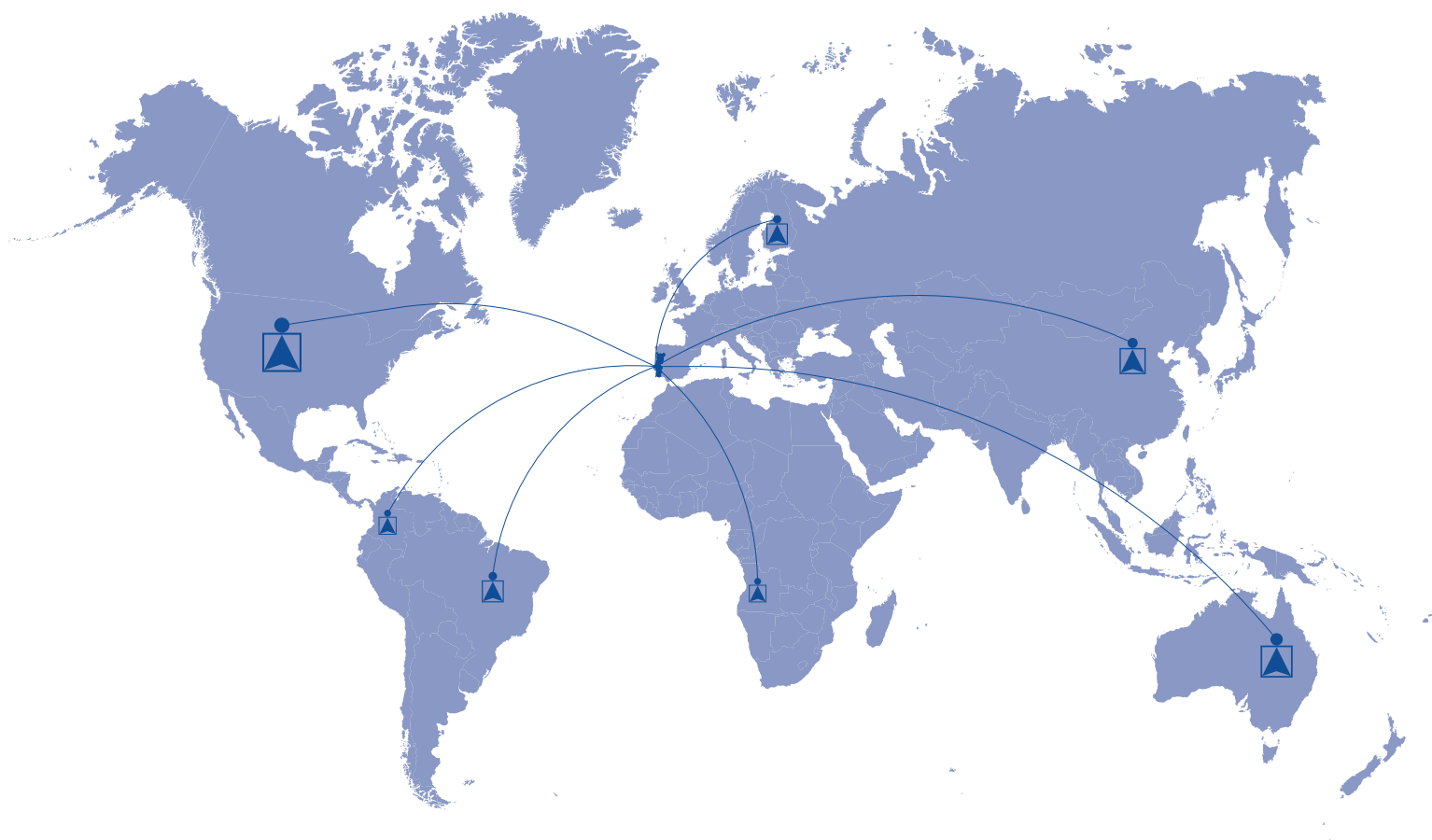
Complaints:

Accepted only in a stated period of 15 days after the receipt of merchandise and when presented by writing.

Marinha Grande, the 1st January 2019

Please note that product details, units and design presented on this catalogue are subject to technical alterations without notice.
Product pictures and overall images serve the purpose of visualization and may not correspond exactly to the described product.
We assume no responsibility for misprint or errors.

Our excellence leave a mark in over 100 countries worldwide



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