

LABORTOPS

valid until 31st December 2015

NEW!

LLG-uniVACUUPUMP 1



**Compact
Portable
Economical**

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Folding Box maxi, PP, foldable and stackable, active lock



A straightforward and tough folding mechanism that permits safe and easy handling. The Active Lock is optimized in its function and allows a safe, easy and fast assembling and folding of the box. Dishwasher safe, food safe. Autoclavable at 120°C, enduring temperature stability from -40°C to 90°C.

-25%

| Colour | External dimensions (W x D x H) mm | Capacity l | Load capacity kg | PK | Cat. No. | Price NOK | Now NOK |
|-------------------|------------------------------------|------------|------------------|----|-----------|-------------------|---------------|
| black | 600 x 400 x 156 | 31 | 15 | 1 | 9.301.493 | 147,00 | 110,25 |
| grey | 600 x 400 x 156 | 31 | 15 | 1 | 9.301.494 | 147,00 | 110,25 |
| blue | 600 x 400 x 156 | 31 | 15 | 1 | 9.301.495 | 147,00 | 110,25 |
| black | 600 x 400 x 180 | 36 | 18 | 1 | 9.301.496 | 158,00 | 118,50 |
| grey | 600 x 400 x 180 | 36 | 18 | 1 | 9.301.497 | 158,00 | 118,50 |
| blue | 600 x 400 x 180 | 36 | 18 | 1 | 9.301.498 | 158,00 | 118,50 |
| black | 600 x 400 x 220 | 44 | 22 | 1 | 9.301.499 | 168,00 | 126,00 |
| grey | 600 x 400 x 220 | 44 | 22 | 1 | 9.301.500 | 168,00 | 126,00 |
| blue | 600 x 400 x 220 | 44 | 22 | 1 | 9.301.501 | 168,00 | 126,00 |
| Trolley, PP, blue | 607 x 407 x 170 | - | - | 1 | 9.301.502 | 418,00 | 313,50 |

Conductivity monitoring, 3D

Fast and Easy



The 3D conductivity meter is battery driven to control the conductivity of pure and demineralized water. The scaled value can be controlled with three light-emitting diodes (LED) green, yellow and red. The limited values are available in two performances: <1, <20, >20µS/cm and <5, <20, >20µS/cm, and two applications: straight (illustration 1) and angular (illustration 2) The unit consists of a plastic housing with a R 3/4" connection.

- **profitability:** battery-driven - longlasting duration
- **stand-alone:** no electrical connection necessary
- **safety device:** conductivity meter 3D - 3 light emitting diodes (LED)
- **connectors:** R 3/4" union nut
- **measuring range:** 0,1 to 20µS/cm
- **overall dimensions (W x D x H):** 55 x 40 x 110mm, straight
75 x 50 x 85 mm, angular

-25%

| Type | Measuring range limit value | PK | Cat. No. | Price NOK | Now NOK |
|----------|-----------------------------|----|-----------|---------------------|-----------------|
| straight | <1/<20/>20 | 1 | 9.700.802 | 1.518,00 | 1.138,50 |
| straight | <5/<20/>20 | 1 | 9.700.803 | 1.518,00 | 1.138,50 |
| angular | <1/<20/>20 | 1 | 9.700.804 | 1.518,00 | 1.138,50 |
| angular | <5/<20/>20 | 1 | 9.700.805 | 1.518,00 | 1.138,50 |

LLG Timer with Triple Alarms, 1-channel

NEW!



Choice of vibration, sound and/or light alarms makes this timer perfect for high noise locations.

- Switchable timing capacity: 19 hours: 59 minutes/99 minutes: 59 seconds
- Timer accuracy: ±5 seconds/day
- Count direction: up/down; displays elapsed time after countdown
- Vibration, light and loud buzzer sound alarms can function at one time, or be independently turned off
- Key press confirmation feature gives an audible indication of data entry
- Lay it flat on a bench, use the flip-open stand for a vertical view, carry it on a lab coat with the convenient pocket clip, or use the magnetic back for metal surface attachment
- Requires two AAA batteries (included)
- Individually tested, inspected, and calibrated using NIST
- Includes Certificate of Calibration with unique report number, stated corrections and standard used for the calibration, and multi-language instructions (English, French, German, Italian, Portuguese and Spanish)
- RoHS compliant

Dimensions (WxDxH): 45 x 75 x 20mm (without clip portion)

-25%

| Type | PK | Cat. No. | Price NOK | Now NOK |
|---|----|-----------|-------------------|---------------|
| LLG Timer with Triple Alarms, 1-channel | 1 | 6.266.707 | 352,00 | 264,00 |

Whirl-Pak® Sample bags, PE, sterile

NEW!



Whirl-Pak® bags are sterile polyethylene laboratory sample bags used to transport samples for biological testing and other applications.

With or without write-on strip.
Temperature range -210°C to +82°C

-25%

| Filling volume approx ml | Thickness mm | Dimensions (D x W) mm | Features | PK | Cat. No. | Price NOK | Now NOK |
|--------------------------|--------------|-----------------------|----------|-----|-----------|---------------------|-----------------|
| 30 | 0,057 | 65x125 | yes | 500 | 7.080.208 | 648,00 | 486,00 |
| 60 | 0,057 | 75x125 | yes | 500 | 7.058.005 | 669,00 | 501,75 |
| 120 | 0,057 | 75x185 | yes | 500 | 7.077.212 | 680,00 | 510,00 |
| 530 | 0,064 | 115x230 | yes | 500 | 7.058.120 | 962,00 | 721,50 |
| 710 | 0,076 | 150x230 | yes | 500 | 6.242.083 | 1.265,00 | 948,75 |
| 2720 | 0,102 | 254x380 | yes | 250 | 6.266.304 | 1.881,00 | 1.410,75 |
| 60 | 0,057 | 75x125 | no | 500 | 6.091.055 | 618,00 | 463,50 |
| 120 | 0,057 | 75x185 | no | 500 | 9.404.234 | 638,00 | 478,50 |
| 207 | 0,076 | 95x180 | no | 500 | 7.981.345 | 785,00 | 588,75 |
| 1240 | 0,076 | 150x380 | no | 500 | 6.266.302 | 1.672,00 | 1.254,00 |
| 530 | 0,064 | 115x230 | no | 500 | 9.404.235 | 836,00 | 627,00 |
| 710 | 0,076 | 150x230 | no | 500 | 6.228.639 | 1.177,00 | 882,75 |
| 1060 | 0,076 | 125x380 | no | 500 | 9.404.236 | 1.441,00 | 1.080,75 |
| 2040 | 0,076 | 190x380 | no | 500 | 6.305.117 | 1.914,00 | 1.435,50 |

LLG-Griffin beakers, PP

According to ISO 7056.
Printed blue graduations.



-25%

| Capacity | Grad. | Diam. | Height | PK | Cat. No. | Price | Now |
|----------|-------|-------|--------|----|-----------|------------------|--------------|
| ml | ml | mm | mm | | | NOK | NOK |
| 25 | 5 | 32 | 47 | 2 | 9.013 670 | 15,00 | 11,25 |
| 50 | 10 | 39 | 60 | 2 | 9.013 671 | 16,00 | 12,00 |
| 100 | 10 | 50 | 70 | 2 | 9.013 672 | 18,00 | 13,50 |
| 250 | 25 | 67 | 93 | 2 | 9.013 673 | 28,00 | 21,00 |
| 500 | 50 | 88 | 119 | 2 | 9.013 674 | 42,00 | 31,50 |
| 1000 | 50 | 109 | 147 | 2 | 9.013 675 | 71,00 | 53,25 |
| 2000 | 100 | 133 | 184 | 1 | 9.013 676 | 54,00 | 40,50 |

Graduated jugs, PP, black graduations



Stackable. Highly transparent.
With easily readable, printed black scale on both sides and stable handle.
The volume is easy to read for either hand.
To preserve markings, do not clean at temperatures exceeding 60°C.
For autoclaving we recommend the design with raised graduations (cat. nos. 7.008 967 and 7.008 978).
Food-safe (suitable for contact with foodstuff in accordance with Regulation EC No. 10/2011).

-25%

| Capacity | Grad. | Diam. | Height | PK | Cat. No. | Price | Now |
|----------|-------|-------|--------|----|-----------|-------------------|--------------|
| ml | ml | mm | mm | | | NOK | NOK |
| 250 | 5 | 75 | 115 | 1 | 9.275 738 | 26,00 | 19,50 |
| 500 | 10 | 100 | 140 | 1 | 9.275 740 | 28,00 | 21,00 |
| 1000 | 10 | 125 | 167 | 1 | 9.275 742 | 39,00 | 29,25 |
| 2000 | 20 | 148 | 212 | 1 | 9.275 744 | 60,00 | 60,00 |
| 3000 | 50 | 170 | 242 | 1 | 9.275 746 | 107,00 | 80,25 |

Measuring cylinders, DURAN®, tall form, class A, blue graduations

IN (TD) calibrated. With spout and hexagonal glass base. Main point ring graduation.
With dated batch identification. Conformity certified. Graduation in durable blue enamel, acc.to DIN EN ISO 4788.
Batch calibration reports, which are free of charge, can be generated and printed on www.hirschmannlab.com. Additional single calibration reports or DAKKS certificates (former DKD calibration reports) are available.



-25%

| Capacity | Grad. | Tolerance | Height | PK | Cat. No. | Price | Now |
|----------|-------|-----------|--------|----|-----------|-------------------|---------------|
| ml | ml | ± ml | mm | | | NOK | NOK |
| 10 | 0.2 | 0.1 | 140 | 1 | 9.274 181 | 88,00 | 66,00 |
| 25 | 0.5 | 0.25 | 170 | 1 | 9.274 182 | 94,00 | 70,50 |
| 50 | 1 | 0.5 | 200 | 1 | 9.274 183 | 99,00 | 74,25 |
| 100 | 1 | 0.5 | 260 | 1 | 9.274 184 | 105,00 | 78,75 |
| 250 | 2 | 1.0 | 335 | 1 | 9.274 185 | 203,00 | 152,25 |
| 500 | 5 | 2.5 | 390 | 1 | 9.274 186 | 338,00 | 253,50 |
| 1000 | 10 | 5.0 | 470 | 1 | 9.274 187 | 523,00 | 392,25 |

Also available with dated batch identification acc. to USP (US Pharmacopeia).

Molecular model system Molymod®



The Molymod® system is an original, unique system of high quality molecular models.

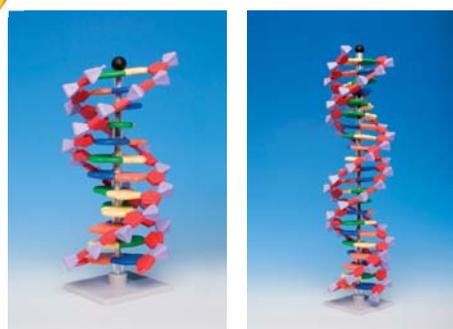
The set consists of a variety of atom parts and links designed to make a large number of possible structures relevant to a specific chemistry subject or use, e.g. Biochemistry, Organic or Inorganic. All sets are fully compatible. Atom parts are made of solid clouDED plastic spheres. They are available with holes from 1 to 6 in the usual angular orientations.

-25%

| Type | Description | PK | Cat. No. | Price | Now |
|---------------------------------------|----------------------------------|----|-----------|---------------------|---------------|
| | | | | NOK | NOK |
| Introductory Set | 48 atom parts, 62 links | 1 | 9.883 101 | 281,00 | 210,75 |
| Organic Set, large | 111 atom parts, 140 links | 1 | 9.883 103 | 569,00 | 426,75 |
| Biochemistry Set, large | 257 atom parts, 160 links | 1 | 9.883 107 | 1.071,00 | 803,25 |
| Organic Set, small | 50 atom parts, 64 links | 1 | 9.883 108 | 283,00 | 212,25 |
| Inorganic/Organic Set, small | 51 atom parts, 38 links | 1 | 9.883 109 | 284,00 | 213,00 |
| Inorganic/Organic Set, large | 106 atom parts, 86 links | 1 | 9.883 104 | 565,00 | 423,75 |
| Molecular Orbital Organic | Carbon 12/18 hydrogen bonds 9/18 | 1 | 9.883 111 | 531,00 | 398,25 |
| Molecular self-assembly kit Inorganic | diamond 30 atoms | 1 | 9.883 112 | 200,00 | 150,00 |
| Molecular self-assembly kit Inorganic | graphite 45 atoms | 1 | 9.883 113 | 275,00 | 206,25 |
| Molecular self-assembly kit Inorganic | sodium chloride, 27 atoms | 1 | 9.883 114 | 277,00 | 207,75 |
| Molecular self-assembly kit Inorganic | water 26 units | 1 | 9.883 115 | 302,00 | 226,50 |

Molecular model system miniDNA®

NEW! Extendend Range of Products Available



The advanced miniDNA® system comprises colour-coded, abstract-shaped parts designed to represent the nitrogenous bases, pentagonal sugar and pyramidal phosphate components needed to make a double-helix model of DNA. The three hydrogen bonds that connect Cytosine to Guanine and the two that connect Thymine to Adenine are represented by the appropriate number of pegs.

Two DNA kits are available to make either a 12-layer (1 turn) or 22-layer (2 turns) DNA model. A similar approach can be taken with the two RNA kits to model the process of Protein Synthesis known as Transcription.

-25%

| Type | Description | PK | Cat. No. | Price | Now |
|----------|--------------|----|-----------|-------------------|---------------|
| | | | | NOK | NOK |
| miniDNA® | 12-layer Kit | 1 | 6.261 370 | 335,00 | 251,25 |
| miniDNA® | 22-layer Kit | 1 | 6.261 344 | 586,00 | 439,50 |

Respirators Series K100 Economy, Folding Masks



6.269 580



6.269 579

Respirators play an important part in keeping you and your workers protected in your workplace

- Single loop strap for easy adjustment
- Dust mask headband does not contain natural rubber latex material to decrease the risk of allergic reaction
- Comes with a metal-detectable adjustable nose clip for easy checking if respirator mask is worn properly
- Coloured noseclip allows for easy identification of Respirator Masks: yellow for FFP1, blue for FFP2, and red for FFP3
- Valved Respirator Masks allows longer continuous use, effective removal of heat and moisture buildup and reduced misting when used with eyewear

-25%

| Description | Protection-level | Colour coding | PK | Cat. No. | Price | Now |
|--------------------------|------------------|---------------|----|-----------|------------------|--------------|
| Folding mask | FFP1 | yellow | 1 | 6.269 583 | 6,00 | 4,50 |
| Folding mask, with valve | FFP1 | yellow | 1 | 6.269 581 | 8,00 | 6,00 |
| Folding mask | FFP2 | blue | 1 | 6.269 580 | 8,00 | 6,00 |
| Folding mask, with valve | FFP2 | blue | 1 | 6.269 579 | 10,00 | 7,50 |
| Folding mask, with valve | FFP3 | red | 1 | 6.269 582 | 19,00 | 14,25 |

Respirators 8000 series, Moulded Masks



6.050 640



6.078 942



6.202 080



6.052 910

The convex cup-shape design, along with twin strap design, nose foam and nose clip ensure comfortable wear over a range of face sizes. The collapse resistant shell offers durable, comfortable protection particularly in hot and humid conditions.

- Traditional convex shape, with nose clip and twin strap design.
- Durable, collapse resistant inner shell.
- Reliable, effective protection against fine particles.
- 3M™ Advanced Electret Filter Material gives effective filtration with low breathing resistance for consistent high quality performance.
- Coloured headbands for easy identification: yellow for FFP1 and blue for FFP2.
- Very good compatibility with panoramic eyeshield 3M™

-25%

| Type | Description | Protection-level | PK | Cat. No. | Price | Now |
|------|----------------------|------------------|----|-----------|-------------------|---------------|
| 8710 | without valve | FFP1 NR D | 20 | 6.050 640 | 202,00 | 151,50 |
| 8810 | without valve | FFP2 NR D | 20 | 6.078 942 | 382,00 | 286,50 |
| 8812 | with Cool-Flow valve | FFP1 NR D | 10 | 6.202 080 | 198,00 | 148,50 |
| 8822 | with Cool-Flow valve | FFP2 NR D | 10 | 6.052 910 | 273,00 | 204,75 |

Half Mask Series 6500QL



The 3M™ Rugged Comfort Half Facepiece Reusable Respirator is designed with harsh and dirty worksites in mind. Stay productive and protected - the 6500QL Series delivers comfort, durability and stability with a firm, lightly textured silicone face seal and strong body construction.

- Bayonet Connection, Compatible with all bayonet style 3M™ cartridges and filters
- Overmoulded/Low-Profile Design
- Cool Flow™ Valve
- Directs exhaled breath and moisture downward
- Easy positive pressure seal check
- Provides comfort and stability with a soft but firm face seal



Please order matching filters separately (please see below).

-25%

| Type | Description | PK | Cat. No. | Price | Now |
|--------|-------------------|----|-----------|-------------------|---------------|
| | | | | NOK | NOK |
| 6501QL | Half Mask, size S | 1 | 6.266 987 | 266,00 | 199,50 |
| 6502QL | Half Mask, size M | 1 | 6.266 988 | 266,00 | 199,50 |
| 6503QL | Half Mask, size L | 1 | 6.266 989 | 266,00 | 199,50 |

Compatible Filter System for 3M Half and Full Masks



6.269 589



6.269 588



6.267 786



6.269 587



7.620 305

All filters fit via bayonet-click connection to the mask series 6000, 6500, 6500 QL, 7500 and 7000. The right filter for every application - No matter which working area, using 3M™ Respirators, the comprehensive 3M™ Filter program, gives optimum safety and provides versatile application possibilities. The compatible 3M™ range of filters includes combinable changeable filters against gases, vapors and/or particles and also combination filters.

-25%

| Type | Protection-level | Description | PK | Cat. No. | Price | Now |
|---------------------------------|------------------|--|----|-----------|-------------------|---------------|
| | | | | NOK | NOK | |
| Gas and Vapour Cartridge | | | | | | |
| 6051 | A1 | against organic vapours | 1 | 6.269 590 | 52,00 | 39,00 |
| 6054 | K1 | against ammonia | 1 | 6.269 584 | 62,00 | 46,50 |
| 6055 | A2 | against organic vapours | 1 | 6.269 588 | 61,00 | 45,75 |
| 6057 | ABE1 | against organic, inorganic and acid vapours | 1 | 6.269 589 | 59,00 | 44,25 |
| 6059 | ABEK1 | against organic, inorganic and acid vapours, ammonia and particles | 8 | 7.620 305 | 510,00 | 382,50 |
| 6075 | A1+Formaldehyd | against organic vapours and formaldehyde | 1 | 6.269 586 | 59,00 | 44,25 |
| 6096 | A1HgP3NR | against mercury vapours and particles | 1 | 6.269 585 | 207,00 | 155,25 |

Particulate Filters

| | | | | | | |
|------|-----|---|---|-----------|------------------|--------------|
| 5911 | P1R | for use in combination with Gas and Vapour Cartridges | 2 | 6.267 784 | 26,00 | 19,50 |
| 5925 | P2R | for use in combination with Gas and Vapour Cartridges | 2 | 6.267 785 | 63,00 | 47,25 |
| 5935 | P3R | for use in combination with Gas and Vapour Cartridges | 2 | 6.267 786 | 77,00 | 57,75 |

Filter Retainer

| | | | | | | |
|-----|--|--|---|-----------|------------------|--------------|
| 501 | | for combination of Gas and Vapour Cartridge with Particulate Filters | 1 | 6.269 587 | 19,00 | 14,25 |
|-----|--|--|---|-----------|------------------|--------------|

For more articles see our Laboratory Catalogue from page 194 onwards

Safety Eyeshields SecureFit™ 200



9.006 127



9.006 128



9.006 129



9.006 130

- 3M Pressure Diffusion Technology allows temples to naturally adjust to individual head sizes.
- Self-adjusting feature eliminates need to stock multiple frame sizes at worksites.
- Secure, snug fit keeps eyewear in place without slippage even when the person is in motion.
- Anti-fog coating helps keep lenses free of moisture in hot and humid conditions.
- Polycarbonate lenses absorb 99.9% UVA and UVB

-25%

| Colour | Lens | PK | Cat. No. | Price | Now |
|--------|------------------------------------|----|-----------|------------------|--------------|
| | | | | NOK | NOK |
| clear | 2C-1.2, UV, anti-scratch, anti-fog | 1 | 9.006 127 | 58,00 | 43,50 |
| clear | 2C-1.2, UV, anti-fog | 1 | 9.006 128 | 49,00 | 36,75 |
| grey | 2C-1.2, UV, anti-scratch, anti-fog | 1 | 9.006 129 | 58,00 | 43,50 |
| amber | 2C-1.2, UV, anti-scratch, anti-fog | 1 | 9.006 130 | 58,00 | 43,50 |

LLG-Overall tritex® pro White, Type 5/6

Particle-tight, and to a limited extent, spray-tight chemical protective clothing.



The coverall made of 3-layer SMS material (spunbond-meltblown-spunbond) is robust and breathable. A meltblown filter membrane is embedded between two durable outer layers. Comfortable to wear, this coverall is a pleasant, protective companion in many work areas. Special features are the hood, the zipper cover strip, the back rubber element, and the arm and leg rubber elements.



Cat. III/CE0321/Type 5/6

Coverall individually packed!

-25%

| Size | PK | Cat. No. | Price | Now |
|------|----|-----------|-------------------|---------------|
| | | | NOK | NOK |
| M | 5 | 6.266 640 | 211,00 | 158,25 |
| L | 5 | 6.266 641 | 211,00 | 158,25 |
| XL | 5 | 6.266 642 | 211,00 | 158,25 |
| XXL | 5 | 6.266 643 | 211,00 | 158,25 |
| XXXL | 5 | 6.266 644 | 211,00 | 158,25 |

Disposable Gloves KIMTECH SCIENCE*GREEN NITRILE*, Nitrile, Powder-Free



Exceptional Workplaces®



pack of 250 gloves

KIMTECH SCIENCE*GREEN NITRILE gloves offer the fit and feel of latex with the protection of a Category III PPE glove.

- Reduces waste and disposal costs by at least 60%
- Reduced storage - 150% more gloves in the same sized box as conventional latex gloves
- Contains no natural rubber latex
- Textured fingertip, enhances wet and dry grip
- Powder-free
- Beaded cuff, for added strength and ease in donning
- Unique green colour provides quick visual differentiation
- Ambidextrous
- Virus Protection

Quality Standards

- Meets AQL 0.65, G1 Inspection for water tightness
- This is a PPE Category III product classified by EC Council Directive 89/686/EEC. It is tested in accordance with the EN Norms EN 420:2003.

Cat. III Low Chemical resistant.

- Manufactured in accordance with Quality System ISO 9001
- Virus protection according to ISO 16604 procedure B:2004
- Dexterity Classification (EN 420:2003) = 5

-25%

| Size | Length | PK | Cat. No. | Price | Now |
|---------|--------|-----|-----------|-------------------|---------------|
| | cm | | | NOK | NOK |
| S (6-7) | 24 | 250 | 7.970 224 | 244,00 | 183,00 |
| M (7-8) | 24 | 250 | 7.970 225 | 244,00 | 183,00 |
| L (8-9) | 25 | 250 | 7.970 226 | 244,00 | 183,00 |

pH meter PHT 810

NEW!



Portable pH meter with external electrode.

- BNC connection
- With automatic pH calibration
- Handy and robust
- Current value memory
- Simple calibration with keypad
- Electrodes for different applications
- Min/Max- and hold function

Penetration electrode AT 206 for measurements in semi-solid food stuff and other materials. Housing material: Glass, Diameter shaft/electrode: 25mm/5mm, Length shaft/electrode: 65mm/12mm, with 1m cable and BNC plug

pH meter set contains: pH meter PHT 810, penetration electrode AT 206, punching pin, buffer solutions pH 4 and pH 7, KCl solution, carrying case, 2-point calibration certificate

Specifications

| | |
|-------------------------|------------------|
| Measuring range: | 0 to 14pH |
| Accuracy: | ±0.03pH |
| Resolution: | ±0.01pH |
| Operating temperature: | 0 to +50°C |
| Storage temperature: | -25 to +60°C |
| Battery: | Lithium 3V/1Ah |
| Battery lifetime: | approx.. 5 years |
| Dimensions (W x L x H): | 54 x 110 x 22mm |
| Weight: | approx. 200g |

-25%

| Type | Description | PK | Cat. No. | Price | Now |
|---------|--------------|----|-----------|---------------------|-----------------|
| ST 1000 | pH meter set | 1 | 6.266 915 | 3.751,00 | 2.813,25 |

LLG-pH-Buffer solutions with colour coding in twin-neck dispensing bottles

The ready-to-use buffer solutions offer excellent quality, precision and advantages in use. The calibration vessel, integrated into the twin-neck dispensing bottles, allows the particularly economical dispensing of the solution and prevents contamination.



Features

- Accuracy ±0.01 pH, tested and certified at 25°C
- Temperature dependence data table printed on the label
- Traceable to NIST
- Shelf-life: 24 months (pH 7 and 10) or 36 months (pH 4) from date of production
- Colour-coded



-25%

| pH-value at 25 °C | Capacity ml | Colour | PK | Cat. No. | Price | Now |
|-------------------|-------------|--------|----|-----------|------------------|--------------|
| 4.00 | 250 | red | 1 | 9.040 868 | 58,00 | 43,50 |
| 7.00 | 250 | yellow | 1 | 9.040 869 | 58,00 | 43,50 |
| 10.00 | 250 | blue | 1 | 9.040 871 | 58,00 | 43,50 |

pH-meter Seven2Go™ S2

NEW!

METTLER TOLEDO

- Portable routine model for pH measurement
- New, intuitive menu structure with fast and easy T-Pad navigation in 12 languages
 - Robust design with IP67 protection for use in harsh and demanding environments
 - Intelligent Sensor Management (ISM®) functionality reduces the risk of errors
 - Up to 5 point calibration with automatic buffer recognition and temperature compensation
 - 4 predefined buffer groups and 1 user defined buffer group
 - Automatic, manual and time dependant endpoint recording
 - Data memory storage for 200 data points
 - Power requirements: 4 x 1.5V AA or 1.3V NiMH accumulators



6.265 415

Items supplied:

- S2-Meter:** Instrument, electrode clip, operating instructions, quick guide, test certificate, declaration of conformity and batteries.
- S2-Standard kit:** As S2-Meter, but also with InLab Expert Pro-ISM-IP67, buffer sachets for pH 4.01, 7.00, 9.21 and 10.00.
- S2-Field kit:** As S2-Standard kit, but also with bottles for calibration and uGo™ carrying case.
- S2-Food kit:** As S2-Field kit, but with InLab Solids Pro-IP67 instead of InLab Expert Pro-ISM-IP67.
- S2-Light kit:** As S2-Standard kit, but with InLab Versatile Pro instead of InLab Expert Pro-ISM-IP67.

Specifications

| | |
|--------------------------|-------------------|
| pH | |
| Measuring range: | -2 to 20 pH |
| Resolution: | 0.01/0.1 |
| Accuracy: | ±0.01 |
| mV | |
| Measuring range: | -1999 ... +1999mV |
| Resolution: | 1 |
| Accuracy: | ±1 |
| Relative mV-measurement: | yes |
| Temperature | |
| Measuring range: | -5.0 ... 105.0°C |
| Resolution: | 0.1°C |
| Accuracy: | ±0.5°C |
| Dimensions (WxDxH): | 222 x 70 x 35mm |

-15%

| Type | PK | Cat. No. | Price | Now |
|-----------------|----|-----------|---------------------|-----------------|
| S2-Meter | 1 | 6.265 414 | 3.405,00 | 2.894,25 |
| S2-Standard kit | 1 | 6.265 415 | 4.284,00 | 3.641,40 |
| S2-Field kit | 1 | 6.265 416 | 4.607,00 | 3.915,95 |
| S2-Food kit | 1 | 6.265 417 | 4.954,00 | 4.210,90 |
| S2-Light kit | 1 | 6.265 418 | 3.792,00 | 3.223,20 |

LLG-Electrolyte solutions, KCl

Potassium chloride electrolyte for pH electrodes - to fill the reference electrolyte or as a storage solution for electrodes.

-25%

| Type | PK | Cat. No. | Price | Now |
|----------------------------------|----|-----------|-------------------|---------------|
| 3mol/l, 1000ml | 1 | 9.041 370 | 193,00 | 144,75 |
| 3mol/l, 250ml | 1 | 9.041 371 | 80,00 | 60,00 |
| 3mol/l, (AgCl saturated.), 250ml | 1 | 9.041 372 | 109,00 | 81,75 |

Conductivity meter Seven2Go™ S3

NEW!



6.265 248

Portable routine model for conductivity measurement

- New, intuitive menu structure with fast and easy T-Pad navigation
- Robust design with IP67 protection for use in harsh and demanding environments
- Intelligent Sensor Management (ISM®) functionality reduces the risk of errors
- Easy 1 point calibration with option of manual cell constant entry
- 3 predefined standards and 1 user defined standard
- Automatic, manual and time dependant endpoint recording
- Data memory storage for 200 data points
- Power requirements: 4 x 1.5V AA or 1.3V NiMH accumulators

Supplied with:

- S3-Meter:** Includes instrument, electrode clip, operating instructions, quick guide, test certificate, declaration of conformity and batteries.
- S3-Standard kit:** As S3-Meter, but also with InLab 738-ISM and sachets of conductivity standards 1413 µS/cm and 12.88 mS/cm.
- S3-Field kit:** As S3-Standard kit, but also with bottles for calibration and uGo™ carrying case.
- S3-Bioethanol kit:** As S3-Field kit, but also with InLab 725 instead of InLab 738-ISM.

Specifications

Conductivity

Measuring range: 0.010µS/cm ... 500mS/cm
Resolution: 0.001 ... 1 (auto-range)
Accuracy: ±0.5%

Temperature

Measuring range: -5.0 ... +105.0°C
Resolution: 0.1°C
Accuracy: ±0.2°C

TDS (Total Dissolved Solids)

Measuring range: 0.01mg/l ... 300g/l
Resolution: 0.01 ... 1 (auto-range)
Accuracy: ±0.5%

Specific resistance

Measuring range: 0.01 ... 100.0MΩcm

Salinity

Measuring range: 0.01 ... 42psu

Conductivity Ash

Measuring range: 0.01 ... 2022%

Dimensions (WxDxH): 222 x 70 x 35mm

-15%

| Type | PK | Cat. No. | Price | Now |
|-------------------|----|-----------|---------------------|-----------------|
| | | | NOK | NOK |
| S3-Meter | 1 | 6.265 247 | 3.631,00 | 3.086,35 |
| S3-Standard kit | 1 | 6.265 248 | 5.430,00 | 4.615,50 |
| S3-Field kit | 1 | 6.265 249 | 5.752,00 | 4.889,20 |
| S3-Bioethanol kit | 1 | 6.265 250 | 5.809,00 | 4.937,65 |

pH electrodes BlueLine, refillable

SI Analytics

Package:



pH combination electrode with glass body, Ag/AgCl reference system. With fixed cable, 1m length (BlueLine 14 pH IDS 1.5m). BlueLine 11 pH and BlueLine13 pH with screw head (LB 1A or LB 1BNC cable combination please order separately).

For each electrode, you receive an electrode vessel for free (Cat. No. : 7.624 578)

Specifications

Temperature range: -5 to 100°C
pH range: 0 to 14pH
Zero point: pH=7.0 ±0.3
Length/diam.: 120/12mm
BlueLine 13 pH: 170/12mm
Electrolyte: Liquid, KCl 3mol/l
Diaphragm: Platinum
BlueLine 13 pH: Ground joint
Membrane shape: Conical
BlueLine 13 pH: Cylindrical
Membrane resistance at 25°C: 250MΩ
BlueLine 13 pH: 300MΩ
Refill hole cover: Slide

-25%

| Type | Temperature sensor | Connector | PK | Cat. No. | Price | Now |
|----------------------|--------------------|--------------------------------|----|-----------|---------------------|-----------------|
| | | | | | NOK | NOK |
| BlueLine 11 pH | - | Plug head | 1 | 6.269 322 | 1.242,00 | 932,25 |
| BlueLine 12 pH | - | DIN | 1 | 6.269 323 | 1.408,00 | 1.056,00 |
| BlueLine 13 pH | - | Plug head | 1 | 6.269 324 | 2.101,00 | 1.575,75 |
| BlueLine 14 pH | NTC 30 kΩ | DIN + Banana | 1 | 6.269 325 | 2.145,00 | 1.608,75 |
| BlueLine 14 pH ID | NTC 30 kΩ | DIN + 4-mm-banana, ID function | 1 | 6.269 326 | 2.464,00 | 1.848,00 |
| BlueLine 14 pH IDS | NTC 30 kΩ | Digital plug | 1 | 6.269 327 | 2.464,00 | 1.848,00 |
| BlueLine 15 pH | NTC 30 kΩ | BNC + Banana | 1 | 6.269 328 | 2.145,00 | 1.608,75 |
| BlueLine 15 pH ID | NTC 30 kΩ | BNC + 4-mm-banana, ID function | 1 | 6.269 329 | 2.464,00 | 1.848,00 |
| BlueLine 15 pH Cinch | NTC 30 kΩ | BNC + Cinch | 1 | 6.269 330 | 2.442,00 | 1.831,50 |
| BlueLine 17 pH | - | BNC | 1 | 6.269 331 | 1.364,00 | 1.023,00 |
| BlueLine 18 pH | Pt 1000 | DIN + Banana | 1 | 6.269 332 | 2.145,00 | 1.608,75 |
| BlueLine 19 pH | Pt 1000 | BNC + Banana | 1 | 6.269 333 | 2.145,00 | 1.608,75 |

LLG-Conductivity Solutions

- Directly traceable to NIST
- ISO17025 Certificate including actual value, expiration date and uncertainty of measurement
- Actual expiry and temperature dependence data on label
- All standards are aqueous based and non-hazardous
- Supplied in unbreakable PE-HD bottle
- Values stated at 25°C: Accuracy ±1%



-25%

| Type | Capacity | PK | Cat. No. | Price | Now |
|--------------|----------|----|-----------|-------------------|--------------|
| | ml | | | NOK | NOK |
| 84 µS/cm | 500 | 1 | 9.040 861 | 109,00 | 81,75 |
| 147 µS/cm | 500 | 1 | 9.040 862 | 109,00 | 81,75 |
| 1.413 µS/cm | 500 | 1 | 9.040 863 | 109,00 | 81,75 |
| 12.880 µS/cm | 500 | 1 | 9.040 864 | 109,00 | 81,75 |

LLG-Melting point apparatus



Ideal for determination of the melting point of powders and substances that do not have a clear transparent melting point.

Both models have the following properties:

- Digital temperature control
- Sample can be monitored through a magnifying glass with integrated light
- For capillaries with 1.4mm outer diameter
- Automatic fan cooling that activates to cool off the device after completion of the measurement
- Text display of error messages
- Keyboard covered with foil for easy cleaning
- With operating instructions in German and English; brief instructions right on the device
- With integrated printer for saving space (only HV2)

MPH-H2 for visual, semi-automatic measurement with magnifying glass, without printer:

In this model, the melting point is determined visually and then saved by pushing the "Save" key.

MPH-HV2 for visual measurement with magnifying glass or automatic measurement, with printer:

For either fully automatic or visual measurements, 1 sample each.

With this version, you can specify whether you want to observe the melting process through the magnifying glass or have the melting point determined automatically after the pre-set starting temperature is reached (indicated by sound signal).

The scope of delivery contains 100 melting point determination capillaries and a device protection hood. For refill pack melting point tubes for LLG-Melting point apparatus, please order Cat. No. 9.208 131.

Specifications

Measuring range: 25.0°C to 360.0°C
 Resolution: 0.1°C
 Accuracy: ±0.5°C (+25°C to +200°C)
 ±0.5% of measured value °C (rem. measuring range)

Heating rate at fast heating: to 200°C, approx. 4 min
 to 350°C, approx. 8 min

Heating rate when measuring: 1°C/min

Magnifying glass: 10x

Lighting: 2 x LED

Dimensions (WxDxH): 230mm x 220mm x 315mm

Dimensions capillaries: 1.4mm x 80mm

Weight: 4.5kg

Power supply: 115-230V, 50Hz

-25%

| Type | Description | PK | Cat. No. | Price | Now |
|---------|--|----|-----------|----------------------|------------------|
| | | | | NOK | NOK |
| MPM-H2 | Visual measuring / magnifier | 1 | 9.208 120 | 15.026,00 | 11.269,50 |
| MPM-HV2 | Visual or automatical measuring with printer | 1 | 9.208 121 | 22.594,00 | 16.945,50 |

Analytical balance Entris®



The new Entris® was specially designed for effective and reliable every day weighing. The simple and clearly structured user surface, with its logical key assignment and very good readability, is ideal for safe working.

- Easy-to-use: Excellent readability by the backlit and high-contrast display, navigation with the function keys and the easy-to-read water level on the front allows for easy and fast operation.
- Basic applications: Entris® supports you in your daily weighing with integrated basic applications like animal weighing, density determination, counting, percent weighing or convert.
- Easy cleaning: the windshield, the side windows, the sliding cover and all stainless steel parts are easily removable for easy cleaning.
- High accuracy: The monolithic weighing system guarantees a permanently high measurement accuracy and represents the reliability and quality of a Sartorius balance.
- i-Type balances have internal calibration, balances without i in Type designation have external calibration
- Dimensions (WxDxH): 230 x 303 x 330mm, Height weighing space: 240mm, Plate diam.: 90 mm
- Readability/Reproducibility: 0.1mg, Linearity: ±0.2mg

Supplied with: Universal power adapter, installations and operation manual, windshield as indicated

-25%

| Type | Weighing range g | Calibration | PK | Cat. No. | Price | Now |
|---------------|------------------|-------------|----|-----------|----------------------|------------------|
| | | | | | NOK | NOK |
| ENTRIS64i-1S | 60 | internal | 1 | 6.262 574 | 15.895,00 | 11.921,25 |
| ENTRIS64-1S | 60 | external | 1 | 6.262 575 | 13.827,00 | 10.370,25 |
| ENTRIS124i-1S | 120 | internal | 1 | 6.262 327 | 17.061,00 | 12.795,75 |
| ENTRIS124-1S | 120 | external | 1 | 6.262 573 | 14.982,00 | 11.236,50 |
| ENTRIS224i-1S | 220 | internal | 1 | 6.262 468 | 18.205,00 | 13.653,75 |
| ENTRIS224-1S | 220 | external | 1 | 6.262 572 | 16.137,00 | 12.102,75 |

Homogeniser, POLYTRON® PT 2500 E

NEW!



The PT2500 E is the ideal solution for cost-conscious laboratories. It is able to perform a lot of applications.

- Application volume 0.05 to 2500ml
- Soft start prevents splashing of homogenate from sample vessel
- Tip speed up to 32m/s
- Speed remains constant even when viscosity changes
- Various models of dispersing aggregates in Easy-to-Clean design

Applications:

- General homogenisation applications (dispersion and emulsification)
- Formulation of lotions, creams and food
- Production of oil-water emulsions

Please order tools separately.



Specifications

| | |
|-------------------------------|---|
| Application volume: | 0.05 to 2500ml |
| Motor input power: | 500W |
| Aggregates: | diam. 3, 5, 7 and 12mm and diam. 20mm and 25mm |
| Speed range: | Stepless 500 to 30.000min ⁻¹ |
| Max. viscosity: | 6000mPas |
| Drive Dimensions (L x W x H): | 157 x 76 x 236mm |
| Tested to: | IEC/EN61326-1/IEC/EN 61000-6-2/EN 61000-6-4 IEC/EN 61010-2-51 |

-25%

| Type | PK | Cat. No. | Price | Now |
|--|----|-----------|----------------------|------------------|
| | | | NOK | NOK |
| POLYTRON® PT 2500 E with EU plug, set with stand and bracket | 1 | 4.013 108 | 23.683,00 | 17.762,25 |
| POLYTRON® PT 2500 E with EU plug | 1 | 7.981 185 | 17.688,00 | 13.266,00 |
| POLYTRON® PT 2500 E with CH plug | 1 | 6.263 341 | 17.688,00 | 13.266,00 |

Dispersing aggregates for Homogeniser POLYTRON® 2500 E



-25%

| Type | Length | Diam. | Working volume | PK | Cat. No. | Price | Now |
|---------------------|--------|-------|----------------|----|-----------|----------------------|------------------|
| | mm | mm | ml | | | NOK | NOK |
| PT-DA 03/2 EC-E050 | 50 | 3 | 0.05 - 2 | 1 | 6.258 269 | 12.507,00 | 9.380,25 |
| PT-DA 05/2 EC-E085 | 85 | 5 | 0.1 - 5 | 1 | 9.570 223 | 13.255,00 | 9.941,25 |
| PT-DA 07/2 EC-E107 | 107 | 7 | 0.3 - 10 | 1 | 6.258 271 | 13.015,00 | 10.436,25 |
| PT-DA 07/2SYN-E082 | 82 | 7 | 0.3 - 10 | 25 | 6.258 273 | 6.886,00 | 5.164,50 |
| PT-DA 12/2 EC-E157 | 157 | 12 | 2- 250 | 1 | 9.570 225 | 16.203,00 | 12.152,25 |
| PT-DA 20/2 EC-E192 | 192 | 2 | 100 - 2500 | 1 | 6.258 234 | 14.905,00 | 11.178,75 |
| PT-DA 20/2X EC-E116 | 116 | 20 | 10 - 250 | 1 | 9.570 226 | 17.623,00 | 13.224,75 |
| PT-DA 25/2 EC-E192 | 192 | 25 | 100 - 2500 | 1 | 9.570 227 | 18.304,00 | 13.728,00 |

Ultrasonic homogeniser, SONOPULS HD 4050

BANDELIN

Choice of package with additional probe



Support not included.

Ready-to-operate basic equipment for volumes from 0.5 ml to 100 ml consisting of:

- HF generator GM 4100
- ultrasonic converter UW 50
- titanium probe TS 102, dia. 2 mm

Set included: generator GM 4100, ultrasonic converter UW 50, titanium probe TS102 and with the choice of an additional probe (TS102, TS103, TS104 or TS106)

Note: The homogeniser can be used with the **stand HD4050** also as a desktop unit. Cat. No.: 9.650 273

HF generator
Dimensions:
Converter
Dimensions:
HF power:

GM 4100
150 x 220 x 335mm
UW 50
45 diameter x 175mm
max. 50W_{eff}

-25%

| Type | PK | Cat. No. | Price | Now |
|---------------------------------|----|-----------|----------------------|------------------|
| | | | NOK | NOK |
| plus additional sonotrode TS102 | 1 | 9.650 147 | 29.469,00 | 22.101,75 |
| plus additional sonotrode TS103 | 1 | 9.650 148 | 29.469,00 | 22.101,75 |
| plus additional sonotrode TS104 | 1 | 9.650 149 | 29.469,00 | 22.101,75 |
| plus additional sonotrode TS106 | 1 | 9.650 150 | 29.469,00 | 22.101,75 |
| stand for HD4050 | 1 | 9.650 273 | 5.390,00 | 4.042,50 |

LLG magnetic stirrer with heating



uniSTIRRER 3, complete set



Cost effective magnetic stirrer with all essential functions and equipment features. A LED display to control all parameters, an integrated temperature control as well as an enclosed design (IP42) are integrated features. The included PT-1000 sensor ensures an exact temperature control. A stand rod with a sensor holder is supplied with this instrument. The integrated HOT-sign warns the user of a hot plate even if the device is switched off. 3 years warranty.

- LED display to set the exact rotation speed and the temperature
- Digital controlled rotation speed and temperature
- 'HOT' warning sign, even if the device is switched off
- Sensor PT-1000 is included
- Integrated temperature control
- Stand rod and sensor holder is supplied

Delivery includes: magnetic stirrer with PT-1000, stand rod and fixing material

Specifications

| | |
|---------------------------------------|-----------------------------|
| Stirring quantity (H ₂ O): | 3l |
| Speed range: | 100 to 1500rpm |
| Setting accuracy: | ±10rpm |
| Magnetic bar: | max. 50mm |
| Display: | LED |
| Heating plate: | 135mm diam./Stainless steel |
| Permissible ambient temperature: | 5 to 40°C |
| Temperature range: | RT to 280°C |
| Setting accuracy: | ±1°C |
| Control accuracy: | ±2°C |
| Heat output: | 500W |
| Safety temperature: | 320°C |
| Dimensions (WxDxH): | 155 x 215 x 100mm |
| Weight: | 1.5kg |
| Power supply: | 200 - 240V, 50/60Hz |
| Protection class: | IP 42 |
| Warranty: | 3 years |

-25%

| Type | PK | Cat. No. | Price | Now |
|---------------------------|----|-----------|---------------------|-----------------|
| | | | NOK | NOK |
| uniSTIRRER 3 with EU-plug | 1 | 6.263 410 | 3.113,00 | 2.334,75 |
| uniSTIRRER 3 with UK-plug | 1 | 6.263 411 | 3.113,00 | 2.334,75 |

RCT standard safety control package incl. ETS-D5 and stand accessories



Made in Germany

- integrated temperature control
- incl. PT 1000 temperature sensor (PT 1000.60) + ETS-D5
- exact temperature and speed setting via digital display, even when switched off
- digital display of set safety temperature limit
- hot top indicator, hot surface warning to prevent burns
- digital error code display
- with adjustable safety circuit of heating plate temperature (+50 to +360°C)
- safety magnetic stirrer with heating, suitable for unsupervised operation
- DIN 12878 connector for attaching a contact thermometer, e.g. ETS-D5; enables precise temperature control directly in the heated medium
- enhanced safety due to improved heat control technology
- enclosed assembly (IP42) guarantees long service life
- highly polished, aluminium hotplate for optimal heat transfer
- improved magnetic coupling
- supplied with housing protection cover H 98



Pack Deal

Specifications

| | |
|---------------------------------------|---------------|
| Stirring quantity (H ₂ O): | 20 litres |
| Motor rating input/output: | 16/9W |
| Speed display: | digital |
| Speed range: | 50 to 1500rpm |
| Max. magnetic bar (L x dia.): | 80 x 10mm |

Heating function

| | |
|--|-----------------------------|
| Temperature display: | digital |
| Heat output: | 600W |
| Heating rate (1 litre H ₂ O in H 15): | 6.5K/min |
| Temperature range: | RT to 310°C |
| Setting accuracy: | ±1K |
| Temp. variation without temp. sensor: | ±2K |
| Adjustable safety circuit: | 50 to 360°C |
| Control accuracy with sensor: | PT 1000/±1K ETS-D5/±0.5K |

Heating plate

| | |
|-------------|-----------------|
| Material: | aluminium alloy |
| Dimensions: | 135mm diam. |

General data

| | |
|--|------------------|
| Dimensions (WxDxH): | 160 x 270 x 85mm |
| Weight: | 2.5kg |
| Operating temperature range: | 5 to 40°C |
| Operating humidity range: | 80% R.H. |
| Protection class acc. to DIN EN 60529: | IP42 |

-25%

| Type | PK | Cat. No. | Price | Now |
|--|----|-----------|---------------------|-----------------|
| | | | NOK | NOK |
| RCT standard safety control package incl. ETS-D5 and stand accessories | 1 | 9.720 258 | 8.877,00 | 6.657,75 |

Heated magnetic stirrer hotMIX 1 with internal control



Cost-effective magnetic stirrer, 100% maintenance-free and wear-free by inductive 2mag magnetic drive concept for mixing of solutions, speed range from 100rpm up to 1600rpm, jerk-free stirring even at low speeds. SoftStart for reliable catching/centering and safe accelerating of the stirring bar, resistant stainless steel housing for fast and easy cleaning, spill-over protection and extremely robust construction. Hot plate made from resistant aluminium alloy, max. heating temperature +200°C, socket for contact thermometer (accessory), warning-LED in case of hot plate, 3 integrated over temperature protection loops against overheating.

Specifications

| | |
|-------------------------|---------------------------------|
| Operating conditions: | -10°C to +40°C at 80% R.H. max. |
| Housing: | Stainless steel |
| Hotplate: | Aluminium |
| Speed range: | 100 to 1600rpm |
| Capacity: | 1 to 2000ml |
| Dimensions (W x D x H): | 120 x 140 x 80mm |
| Power: | 10W |
| Weight: | 2kg |
| Protection category: | IP 20 |

-25%

| Type | PK | Cat. No. | Price | Now |
|----------|----|-----------|---------------------|-----------------|
| hotMIX 1 | 1 | 6.238 077 | 7.040,00 | 5.280,00 |

LLG-Magnetic Stirring Bar Retrievers, PTFE



PTFE-encapsulated stirring bar retriever with strong permanent magnet (Alnico 5), universal chemical resistance. For the removal of stirring bars from aggressive liquids, prevents loss of stirring bars. Lower end diameter 10mm.

-25%

| Length | Diam. | PK | Cat. No. | Price | Now |
|--------|-------|----|-----------|-------------------|--------------|
| mm | mm | | | NOK | NOK |
| 150 | 8 | 1 | 9.197 717 | 127,00 | 95,25 |

LLG-Magnetic stirring bars, cylindrical, PTFE, eco pack



Circular, smooth and PTFE-coated. Packaging size: 10 pieces

-25%

| Length | Diam. | PK | Cat. No. | Price | Now |
|--------|-------|----|-----------|-------------------|---------------|
| mm | mm | | | NOK | NOK |
| 10 | 6 | 10 | 9.198 910 | 84,00 | 63,00 |
| 12 | 3 | 10 | 9.198 766 | 110,00 | 82,50 |
| 15 | 6 | 10 | 9.198 919 | 99,00 | 74,25 |
| 20 | 6 | 10 | 9.198 920 | 114,00 | 85,50 |
| 25 | 6 | 10 | 9.198 925 | 147,00 | 110,25 |
| 25 | 8 | 10 | 9.198 767 | 149,00 | 111,75 |
| 30 | 6 | 10 | 9.198 930 | 175,00 | 131,25 |
| 35 | 6 | 10 | 9.198 935 | 219,00 | 164,25 |
| 40 | 8 | 10 | 9.198 940 | 299,00 | 224,25 |
| 45 | 8 | 10 | 9.198 945 | 355,00 | 266,25 |
| 50 | 8 | 10 | 9.198 950 | 399,00 | 299,25 |
| 60 | 9 | 10 | 9.198 960 | 488,00 | 366,00 |
| 70 | 9 | 10 | 9.198 970 | 670,00 | 502,50 |
| 80 | 9 | 10 | 9.198 980 | 789,00 | 591,75 |

Magnetic stirring bar behrotest, set 1 + 2



6.267 318

Set 1 in a transparent box with hinged lid

Consisting of: 2x 20 x 6 mm, 2x 25 x 6mm, 2x 30 x 6 mm, 2x 40 x 8 mm, 1x 50 x 8 mm, 1x 60 x 9 mm

Set 2 in a transparent box with hinged lid including magnetic stirring bar retriever, length 245 mm

Consisting of: 1x 15 x 6 mm, 2x 20 x 6 mm, 2x 25 x 6mm, 1x 30 x 6 mm, 2x 40 x 8 mm, 1x 50 x 8 mm, 1x 60 x 9 mm

-25%

| Description | PK | Cat. No. | Price | Now |
|-------------|----|-----------|-------------------|---------------|
| | | | NOK | NOK |
| Set 1 | 1 | 6.267 317 | 398,00 | 298,50 |
| Set 2 | 1 | 6.267 318 | 585,00 | 438,75 |

Evaporating rotators

Rotary Evaporator Rotavapor® R-300

The rotary evaporator R-300 meets the highest needs in convenience, productivity and versatility. The rotation speed, heating temperature and lift position is shown digitally on the heating bath.

The following options are available:

Manual or electronically lift

Transparent PLASTIC+GLAS (P+G) safety coating.

Heating bath B-301: Temperature range of 20°C to 95°C for evaporating flasks up to 1 liter.

Heating bath B-305: Temperature range of 20°C to 220°C for evaporating flasks up to 5 Liter.

Vertical condenser used along with a recirculating chiller or tap water.

Cold trap used for low boiling solvents along with e.g. dry ice for cooling.

Other glass assembly configuration on request

For more specifications please see our main catalogue at page 615.

Rotavapor® R-300 with heating bath B-301

NEW!

BUCHI
LABORATORY



-25%

| Type | Lift | Capacitor | Coating | PK | Cat. No. | Price | Now |
|-------|----------|-----------|---------|----|-----------|----------------------|------------------|
| | | | | | | NOK | NOK |
| R-300 | manually | vertical | no | 1 | 6.267.887 | 63.030,00 | 47.272,50 |
| R-300 | electric | vertical | yes | 1 | 6.267.888 | 70.345,00 | 52.758,75 |
| R-300 | electric | cold trap | yes | 1 | 6.267.889 | 74.877,00 | 56.157,75 |

Rotary Evaporator Rotavapor® R-300 with vacuum pump and interface

Every Rotary Evaporator Rotavapor® R-300 will be delivered with a transparent PLASTIC+GLAS (P+G) safety coating, a vertical glass assembly (V), NS29/32, and a vacuum pump V-300.

Interface and heating bath could be chosen from the options below.

Interface

I-300 with VacuBox, Woulff bottle. Operation by navigation knob and function keys. Compatible with BUCHI Rotavapor App for mobile push notifications and remote monitoring.

I-300 Pro with VacuBox, Woulff bottle. Operation by touch screen or navigation knob. Charting and recording possibilities (on SD card). Compatible with BUCHI Rotavapor App for mobile push notifications and remote monitoring (including charting).

Heating Bath

Heating bath B-301: Temperature range of 20°C to 95°C for evaporating flasks up to 1 liter.

Heating bath B-305: Temperature range of 20°C to 220°C for evaporating flasks up to 5 Liter.

Vacuum pump

V-300 (1.8m³/h, 5mbar) is a chemically resistant PTFE diaphragm vacuum pump with transparent front panel to observe the membrane for highest distillation efficiency. Final vacuum: 5 mbar (±2 mbar). Suction capacity: 1.8 m³/h. Speed-controlled operation.

For more specifications please see our main catalogue at page 616.

Rotavapor® R-300 System with Interface I-300

NEW!

BUCHI
LABORATORY



-25%

| Type | Lift | Capacitor | Coating | Heating bath | PK | Cat. No. | Price | Now |
|--------|----------|-----------|---------|--------------|----|-----------|-----------------------|-------------------|
| | | | | | | | NOK | NOK |
| R-300S | manually | vertical | yes | B-301 | 1 | 6.267.893 | 130.141,00 | 97.605,75 |
| R-300S | electric | vertical | yes | B-301 | 1 | 6.267.894 | 135.113,00 | 101.334,75 |
| R-300S | electric | vertical | yes | B-305 | 1 | 6.267.895 | 138.248,00 | 103.686,00 |

Rotavapor® R-300 with heating bath B-305

NEW!

BUCHI
LABORATORY



-25%

| Type | Lift | Capacitor | Coating | PK | Cat. No. | Price | Now |
|-------|----------|-----------|---------|----|-----------|----------------------|------------------|
| | | | | | | NOK | NOK |
| R-300 | manually | vertical | no | 1 | 6.267 890 | 66.241,00 | 49.755,75 |
| R-300 | electric | vertical | yes | 1 | 6.267 891 | 73.656,00 | 55.242,00 |
| R-300 | electric | cold trap | yes | 1 | 6.267 892 | 78.188,00 | 58.641,00 |

Rotary evaporator RC 900

NEW!

KLF
LAB



- Sleek design, small footprint
- Silent for a pleasant working environment
- Versatile use, simple operation

Features

- Chilled condenser is easy to detach by turning the tension nut. The chilled condenser is also extremely easy to clean.
- Relevant parameters for distillation and for the heating bath are easily set by touching and turning.
- Cordless heating bath with drain for safe bleeding and emptying without spillages.
- Hose guide inside the tower - tidy and safe, hoses are no longer an obstruction.
- Easy flask exchange - glass flask simply locks into place - and can be done with one hand.
- Convenient, fully adjustable flask angle set via a control knob.

Specifications

| | |
|--|----------------------------|
| Heating bath: heating bath temperature | 20 - 180°C |
| Coolant supply (chilled condenser) | |
| Permissible pressure: | 3bar |
| Permissible temperature: | 15°C bis +20°C |
| Cooled surface area: | 1230cm ² |
| Parameters of evaporation flask | |
| Size of evaporation flask: | 50 - 3000ml |
| Rotational speed: | 25 - 250 min ⁻¹ |
| Length of stroke: | 150mm |
| Lifting speed: | approx 38mm/s |
| Dimensions (L x H x W) | |
| Without glassware: | 447 x 464 x 431mm |
| With glassware: | 447 x 823 x 487mm |
| Weight: | 9.1kg |

-25%

| Type | PK | Cat. No. | Price | Now |
|-----------------------------------|----|-----------|----------------------|------------------|
| | | | NOK | NOK |
| Rotary evaporator RC 900 | 1 | 7.660 052 | 52.823,00 | 39.624,75 |
| Protective cover for heating bath | 1 | 7.660 053 | 5.225,00 | 3.918,75 |

Rotavapor® R-300 System with Interface I-300 Pro

NEW!

BUCHI
LABORATORY



-25%

| Type | Lift | Capacitor | Coating | Heating bath | PK | Cat. No. | Price | Now |
|--------|----------|-----------|---------|--------------|----|-----------|-----------------------|-------------------|
| | | | | | | | NOK | NOK |
| R-300P | electric | vertical | yes | B-301 | 1 | 6.267 896 | 151.668,00 | 113.751,00 |
| R-300P | electric | vertical | yes | B-305 | 1 | 6.267 897 | 154.814,00 | 116.110,50 |

Ultra low temperature freezer, ULUF series up to -90°C

ARCTIKO
The art of simplicity*



9.699 310



9.699 311



9.699 312

Reliable and powerful upright freezer with extra storage capacity and a user friendly controller. Models with volumes from 7 litres up to 826 litres are available. Features as non-manipulative data logger and USB readout are just some of the features that come as standard in the ULUF series.

Features on ULUF series

- Low energy consumption
- Low noise level, low heat dissipation
- Insulated inner doors
- Castors
- Lock on door
- Ergonomic loading
- Heated door frame, heated vacuum valve
- 100% HCFC/CFC free
- Porthole for external temperature probes
- Single-compressor (ULUF 15, 65, 125, 450, 550, 750, 850) or two compressor systems as security in case of failure of a compressor.

Upon failure of a compressor, the temperature is maintained at -86°C by the second compressor at ULUF 490 and 890, for ULUF 750 at -70°C.

Accessories (optional)

- All freezers are available with stainless steel housing (on request)
- CO₂ back up
- GSM alarm module
- Racks and boxes
- Temperature chart recorder
- Drawer systems



9.699 314



9.699 315

-25%

| Type | Capacity | Internal dimensions (W x D x H) mm | External dimensions (W x D x H) mm | Weight kg | Temp. range max. °C | PK | Cat. No. | Price | Now |
|-----------|----------|--------------------------------------|------------------------------------|-----------|---------------------|----|-----------|-----------------------|-------------------|
| ULUF 15 | 7 Litres | 150 x 143 x 310 | 400 x 630 x 665 | 55 | -40...-90 | 1 | 6.264 066 | 42.669,00 | 32.001,75 |
| ULUF 65 | 55 | 360 x 468 x 320 | 600 x 700 x 810 | 80 | -40...-86 | 1 | 9.699 310 | 51.194,00 | 38.395,50 |
| ULUF 125 | 115 | 360 x 493 x 530 | 950 x 725 x 810 | 100 | -40...-86 | 1 | 9.699 311 | 58.928,00 | 44.203,50 |
| ULUF 450 | 413 | 480 x 608 x 1415 | 720 x 885 x 2089 | 183 | -40...-86 | 1 | 9.699 312 | 75.647,00 | 56.735,25 |
| ULUF 550 | 585 | 680 x 608 x 1415 | 920 x 885 x 2089 | 215 | -40...-86 | 1 | 6.263 920 | 94.303,00 | 70.727,25 |
| ULUF 750 | 680 | 790 x 608 x 1415 | 1030 x 885 x 2089 | 354 | -40...-86 | 1 | 9.699 314 | 113.047,00 | 84.785,25 |
| ULUF 850 | 826 | 2 departments, 480 x 608 x 1415 each | 1492 x 885 x 2089 | 376 | -40...-86 | 1 | 9.699 315 | 128.656,00 | 96.492,00 |
| ULUF 490* | 393 | 480 x 608 x 1415 | 720 x 885 x 2089 | 208 | -40...-90 | 1 | 9.699 318 | 97.306,00 | 72.979,50 |
| ULUF 890* | 786 | 2 departments, 480 x 608 x 1415 each | 1492 x 885 x 2089 | 426 | -40...-90 | 1 | 9.699 319 | 175.054,00 | 131.290,50 |

*Dual Cooling System: Increased safety due to 2 separate cooling systems.

Portable freezer DP-80 CRYO PORTER, up to -80°C

The DP-80 ensures direct access to your samples at your desk. Transport your probes at -80°C e.g. with a car.

- Portable Freezer up to -80°C
- Stirling technology, no compressor, no refrigerant
- Temp. stability $\pm 0.2^\circ\text{C}$
- Power connection 12V or 230V
- Max volume one aluminium block (please order separately)
- Can only be used with aluminium block (6.265 273, 6.265 274, 6.265 275, 6.265 276)

Temperature range: 0°C to -80°C
 Dimensions exterior (WxDxH) 230 x 262 x 390mm
 Power supply: 12/100 - 240 V 50/60 Hz
 Weight: 10 kg

-25%

| Description | PK | Cat. No. | Price | Now |
|-------------------|----|-----------|----------------------|------------------|
| | | | NOK | NOK |
| DP-80 Cryo Porter | 1 | 6.262 040 | 45.067,00 | 33.800,25 |



ARCTIKO
The art of simplicity®

NEW!



Spark-free laboratory refrigerators and freezers LKexv/LKUexv/LGex/LGUex/LCexv with Comfort electronic controller

The range of laboratory appliances with Comfort electronic controllers comprises two refrigerators, two freezers and one fridge-freezer combination with spark-free interior, especially for storing explosive and highly flammable substances - for instance in the chemical industry or in special laboratories. The interiors of the appliances are in compliance with the safety requirements of the EU Directive 94/9/EC (ATEX 95) and have been tested by electro-suisse SEV, the ATEX conformity evaluation organisation.

- Dynamic cooling system (refrigerators), static cooling system (freezers)
- Precision electronic controller with digital temperature display
- Flexible, height-adjustable glass shelves
- Convenient, clear view drawers (freezers)
- Self-closing door with integrated lock
- Visual and audible temperature and door alarm
- Visual power failure alarm when main power returns
- Integrated data memory with min/max temperatures
- Volt-free contact for alarm forwarding to an external remote warning system
- RS 485 interface enabling external documentation
- Access port for an external temperature sensor
- Maximum temperature stability and consistency according to IEC 60068-3



LIEBHERR
Quality. Design and Innovation.



-25%

| Type | Capacity | External dimensions (W x D x H) mm | Internal dimensions (W x D x H) mm | Energy consumption kWh (24h) | Temp. range max. °C | PK | Cat. No. | Price | Now |
|---------------------------|----------|------------------------------------|------------------------------------|------------------------------|-------------------------|----|-----------|----------------------|------------------|
| | l | | | | | | | NOK | NOK |
| LKexv 3910 | 360 | 600 x 615 x 1840 | 440 x 435 x 1635 | 0,865 | +3 ... +16 | 1 | 9.698 685 | 18.910,00 | 14.107,50 |
| LKUexv 1610 | 141 | 600 x 615 x 820 | 440 x 435 x 670 | 0,863 | +3 ... +16 | 1 | 9.698 682 | 13.791,00 | 10.345,50 |
| LGex 3410 | 310 | 600 x 615 x 1840 | 420 x 400 x 1587 | 1,309 | -9 ... -30 | 1 | 9.698 691 | 19.646,00 | 14.734,50 |
| LGUex 1500 | 139 | 600 x 615 x 820 | 454 x 450 x 663 | 0,926 | -9 ... -16 | 1 | 9.698 690 | 14.311,00 | 10.733,25 |
| LCexv 4010 fridge freezer | 254/107 | 600 x 615 x 2000 | 440 x 435 x 1105 / 431 x 435 x 597 | 1,8 | +3 ... +16 / -9 ... -30 | 1 | 9.698 677 | 23.826,00 | 17.869,50 |

Handheld magnifier with illumination

Ergonomic handheld magnifier with illumination

- Hand held magnifier with magnification of 3X and 5X (depending of the view location)
- Ergonomic handle design
- Aspherical lens provides spherical aberration and distortion free images with edge-to-edge sharpness.
- LED bulb with on/off control.
- Adjustable angle of illumination.

ISOLAB
Laborgeräte GmbH

NEW!



-25%

| Description | PK | Cat. No. | Price | Now |
|-----------------------|----|-----------|-------------------|---------------|
| | | | NOK | NOK |
| 3X / 5X magnification | 1 | 6.267 407 | 346,00 | 259,50 |

Binocular Microscopes for Schools/ Laboratories, B1-220ASC

Proven and reliable - Ideal for schools and laboratories

- Observation Tube Binocular 45° -/ Phototube 30°, 360° rotating
- Wide field eyepieces WF10X/20mm
- Quadruple revolving nosepiece
- Achromatic Super Contrast objectives ASC 4X, 10X, 40X S, 100X S-Oil
- Coaxial coarse and fine focusing system with tension adjustment
- Built in lowposition coaxial mechanical stage
- Focusable 1.25 N.A. Abbe condenser with iris diaphragm and filter holder
- Halogen illumination 12V/20W with intensity control
- Power supply 100V-240V (CE)
- Blue, yellow and green filters, dust cover and immersion oil

Motic
MORE THAN MICROSCOPY



-25%

| Type | PK | Cat. No. | Price | Now |
|-----------|----|-----------|---------------------|-----------------|
| | | | NOK | NOK |
| B1-220ASC | 1 | 9.727 002 | 6.017,00 | 4.512,75 |

Hand tally counter

Use for counting blood cells, bacterial colonies, drops of liquid or any repetitive event. Tallies up to 9999. Features a quick-reset knob, lens window for easy reading, and finger ring for a secure grip. Sturdy, chrome-finished, metal housing.
Dimensions: 46mm diameter x 41mm W.



-25%

| Description | PK | Cat. No. | Price | Now |
|--------------------|----|-----------|-------------------|---------------|
| | | | NOK | NOK |
| Hand tally counter | 1 | 6.237 971 | 405,00 | 303,75 |

Digital Hand-held Pocket Refractometer PAL series

ATAGO®



9.801 375

For measurement of various high concentration samples such as jam, marmalade, jelly, honey, concentrated juice or acidity and salinity. Ingress Protection class IP 65 means that they can be cleaned under running water. Easily calibrated since "zero-setting" (calibration) is achieved using water. Temperature measurement with Automatic Temperature Compensation.

Specifications

| | |
|--------------------------------|---------------------------|
| Resolution: | Brix 0.1% |
| Measurement accuracy: | Brix ±0.2% |
| Ambient operating temperature: | 10 to 40°C |
| Ingress protection class: | IP65 |
| | dust- and waterproof |
| Power supply: | 2 x AAA Batteries (incl.) |
| Dimensions: | 55 x 31 x 109mm |
| Weight: | 100g |

-25%

| Type | Measuring range | Temp. range °C | PK | Cat. No. | Price | Now |
|-----------|------------------------------------|----------------------------|----|-----------|---------------------|-----------------|
| | | | | | NOK | NOK |
| PAL-1 | 0.0 - 53.0 Brix | 10 - 100 | 1 | 9.801 375 | 2.574,00 | 1.930,50 |
| PAL-RI | 1.3306 - 1.5284nD | 5 - 45 | 1 | 9.801 383 | 3.982,00 | 2.986,50 |
| PAL-BX/RI | 0.0 - 93.0 Brix, 1.3306 - 1.5284nD | Brix: 10 - 100, nD: 5 - 45 | 1 | 6.231 591 | 7.744,00 | 5.808,00 |

LLG-Cover glass forceps, type Kühne, stainless steel



LLG
LABWARE

Stainless steel 4301

-25%

| Length mm | Form | PK | Cat. No. | Price | Now |
|-----------|----------|----|-----------|------------------|--------------|
| | | | | NOK | NOK |
| 115 | Curved | 1 | 9.160 386 | 49,00 | 36,00 |
| 130 | Curved | 1 | 9.160 387 | 51,00 | 38,25 |
| 145 | Curved | 1 | 9.160 388 | 52,00 | 39,00 |
| 115 | Straight | 1 | 9.160 391 | 46,00 | 34,50 |
| 130 | Straight | 1 | 9.160 392 | 50,00 | 37,50 |
| 145 | Straight | 1 | 9.160 393 | 51,00 | 38,25 |

Sucrose (Brix) Standards

NEW!



Reagecon
Delivering the Correct Result

Certified stabilized Sucrose (Brix) Standards.

- Test results are ISO17025 accredited with an uncertainty of measurement of 0.11% for all Brix values
- Nominal Refractive Index values are taken from the ICUMSA published tables
- The Brix value of the standard is verified using a high performance calibrated, temperature controlled refractometer
- Can be used with any brand of Refractometer
- Extended shelf life of 1 year
- Convenient high quality dropper bottle

-25%

| Brix % | Refractive Index at 20 °C | PK | Cat. No. | Price NOK | Now NOK |
|--------|---------------------------|----|-----------|-------------------|---------------|
| 0 | 1.332986 | 1 | 6.264 212 | 492,00 | 369,00 |
| 5 | 1.340264 | 1 | 6.265 876 | 492,00 | 369,00 |
| 10 | 1.347824 | 1 | 6.257 923 | 492,00 | 369,00 |
| 15 | 1.355679 | 1 | 6.263 260 | 492,00 | 369,00 |
| 20 | 1.363842 | 1 | 6.264 889 | 492,00 | 369,00 |
| 30 | 1.381149 | 1 | 6.258 368 | 492,00 | 369,00 |
| 40 | 1.399860 | 1 | 7.660 408 | 492,00 | 369,00 |
| 50 | 1.420087 | 1 | 6.258 369 | 492,00 | 369,00 |
| 60 | 1.441928 | 1 | 6.265 875 | 492,00 | 369,00 |

Refractive Index standards

NEW!



Reagecon
Delivering the Correct Result

Certified standards with values expressed in Refractive Index (R.I) units nD.

- Test results are ISO17025 accredited with an uncertainty of measurement up to ±0.00014 nD units for all Refractive Index values.
- Nominal Refractive Index values are taken from the ICUMSA published tables.
- Extended shelf life of 1 year.
- Can be used with any brand of Refractometer.
- Convenient high quality dropper bottle.

-25%

| Refractive Index at 20 °C | PK | Cat. No. | Price NOK | Now NOK |
|---------------------------|----|-----------|-------------------|---------------|
| 1.34325 | 1 | 6.265 877 | 492,00 | 369,00 |
| 1.34782 | 1 | 7.658 877 | 492,00 | 369,00 |
| 1.37233 | 1 | 6.265 878 | 492,00 | 369,00 |
| 1.38115 | 1 | 6.258 375 | 492,00 | 369,00 |
| 1.39032 | 1 | 6.265 879 | 492,00 | 369,00 |
| 1.40978 | 1 | 6.265 142 | 492,00 | 369,00 |
| 1.42009 | 1 | 6.258 376 | 492,00 | 369,00 |
| 1.44193 | 1 | 6.265 880 | 492,00 | 369,00 |

LLG Spectrophotometer uniSPEC 2

NEW!



uniSPEC 2 is an inexpensive, basic UV/VIS-spectrophotometer suitable for pharmaceutical, biochemical and clinical lab applications as well as routine measurements such as kinetics, wavelength scans, quantitative analysis, multi-wavelength and DNA/Protein analysis. It is possible to store and save 200 calibration curves. Both lamps can be individually turned on/off to extend the durability. A pre-adjusted lamp design allows a fast and easy lamp replacement. 3 years warranty.

Supplied with: Photometer, manual, 4 glass cells and 2 quartz cells.

Specifications

| | |
|----------------------------|--|
| Optical system: | Single beam, Grating 1200 lines/mm, Silicium photodiode detector |
| Wavelength range: | 190 to 1100nm |
| Bandwidth: | 2nm |
| Wavelength accuracy: | ±0.5nm |
| Wavelength repeatability: | 0.3nm |
| Wavelength setting: | automatic |
| Photometric accuracy: | ±0.5%T |
| Photometric repeatability: | 0.3%T |
| Photometric range: | -0.3-3A, 0-200%T, 0-9999C |
| Stability: | ±0.002A/h at 500nm |
| Stray light: | ≤0.1%T |
| Data output: | USB port |
| Printer port: | parallel port |
| Display: | 128 x 64 Dots LCD |
| Standard cell holder: | 4-position 10 mm cell changer |
| Lamps: | D2 lamp and W lamp |
| Dimension (WxDxH): | 460 x 360 x 225mm |
| Weight: | 18kg |
| Power supply: | 220V/50Hz or 110V/60Hz |
| Warranty: | 3 years |

-25%

| Type | PK | Cat. No. | Price NOK | Now NOK |
|-------------------------|----|-----------|----------------------|------------------|
| uniSPEC 2, with EU-plug | 1 | 6.263 610 | 26.070,00 | 19.552,50 |

LLG-Serological pipettes, PS, sterile

NEW!



type 1



type 2



typ 3



Serological pipettes from LLG are ideally suited for sterile serological and cell culture applications. Easy to read graduation scales, facilitate volume measurement and dosing. All LLG serological pipettes are plugged, sterile, non-pyrogenic and have an increased volume capacity through extra graduations.

LLG Serological pipettes are available in 3 versions with different features.

Type 1:

- Also available as short-pipettes (5 ml, 10 ml and 25 ml) or wide-mouth pipette (10 ml)
- 1 ml, 5 ml, 10 ml, 25 ml and 50 ml pipettes contain a bi-directional secondary graduation scale for precise dosing
- Colour coded ringmark for easy volume identification
- Single packed in easy-to-open plastic/paper packaging

Type 2

- Single-piece pipette-bodies (except 50 ml pipette)
- 5 ml, 10 ml, 25 ml and 50 ml pipettes contain a bi-directional secondary graduation scale for precise dosing
- Colour coded plug for easy volume identification
- Single packed in easy-to-open plastic/paper packaging

Type 3:

- Especially suited for use in clean rooms
- Colour coded for easy volume identification
- Single packed in easy-to-open plastic/paper packaging

-25%

| Type | Volume ml | Grad. ml | Colour code | Negative graduations up to | PK | Cat. No. | Price NOK | Now NOK |
|------|-----------|----------|---------------------|----------------------------|------|-----------|---------------------|-----------------|
| 1 | 1 | 1/100 | yellow | 0,3 | 500 | 9.380.440 | 739,00 | 554,25 |
| 1 | 2 | 1/50 | green | 0,6 | 500 | 9.380.441 | 911,00 | 683,25 |
| 1 | 5 | 1/10 | blue | 3 | 200 | 7.930.401 | 505,00 | 378,75 |
| 1 | 10 | 1/10 | orange | 3 | 200 | 6.268.240 | 492,00 | 369,00 |
| 1 | 10 | 1/10 | orange (wide mouth) | 3 | 200 | 9.380.442 | 568,00 | 426,00 |
| 1 | 25 | 2/10 | red | 8 | 150 | 7.930.403 | 744,00 | 558,00 |
| 1 | 50 | 5/10 | purple | 10 | 100 | 9.380.443 | 941,00 | 705,75 |
| 1 | 5 | 1/10 | blue (short form) | 3 | 200 | 6.265.881 | 648,00 | 486,00 |
| 1 | 10 | 2/10 | orange (short form) | 10 | 150 | 6.265.882 | 648,00 | 486,00 |
| 1 | 25 | 5/10 | red (short form) | 9 | 100 | 6.265.883 | 568,00 | 426,00 |
| 2 | 1 | 1/100 | yellow | 0.3 | 500 | 6.266.995 | 579,00 | 434,25 |
| 2 | 2 | 1/50 | green | 0.4 | 500 | 6.266.996 | 592,00 | 444,00 |
| 2 | 5 | 1/10 | blue | 3 | 250 | 6.266.997 | 506,00 | 379,50 |
| 2 | 10 | 1/10 | orange | 3 | 200 | 6.266.998 | 432,00 | 324,00 |
| 2 | 25 | 2/10 | red | 2 | 100 | 6.266.999 | 535,00 | 401,25 |
| 2 | 50 | 5/10 | purple | 9 | 100 | 6.267.100 | 1.119,00 | 1.064,25 |
| 3 | 1 | 0.01 | clear | 0.3 | 1000 | 6.268.099 | 1.122,00 | 841,50 |
| 3 | 2 | 0.01 | clear | 0.3 | 1000 | 6.268.100 | 1.144,00 | 858,00 |
| 3 | 5 | 0.1 | blue | 2.0 | 200 | 6.268.101 | 508,00 | 381,00 |
| 3 | 10 | 0.1 | orange | 3.0 | 500 | 6.268.102 | 1.075,00 | 806,25 |
| 3 | 25 | 0.2 | red | 10.0 | 200 | 6.268.103 | 894,00 | 670,50 |
| 3 | 50 | 0.5 | purple | 10.0 | 200 | 6.268.104 | 1.760,00 | 1.320,00 |

Compact Incubator Heratherm™

Thermo
SCIENTIFIC



The most compact unit of the Heratherm™ microbiological incubator family has an 18L capacity, ideal for personalized workspace.

- Minimal footprint for space restricted lab areas
- Temperatures at or below ambient
- High temperature accuracy
- Internal light facilitates sample observation

Specifications

| | |
|--|------------------------------|
| Temperature range: | 17 to 40°C |
| Convection technology: | Mechanical convection |
| Temperature deviation at 37°C (spatial): | ±1.2°C |
| Temperature deviation at 37°C (over time): | ±0.2°C |
| Footprint: | 0.12m ² |
| Chamber volume: | approx. 18l |
| Dimensions chamber (W x H x D): | 180 x 310 x 290mm |
| Dimensions, external (W x H x D): | 260 x 415 x 470mm |
| Number of shelves: | 2 (incl. in delivery)/max. 3 |
| Max. shelf load: | 2kg |
| Power supply/max. current: | 45W/0.45 - 0.85A |
| Weight: | 7.2kg |

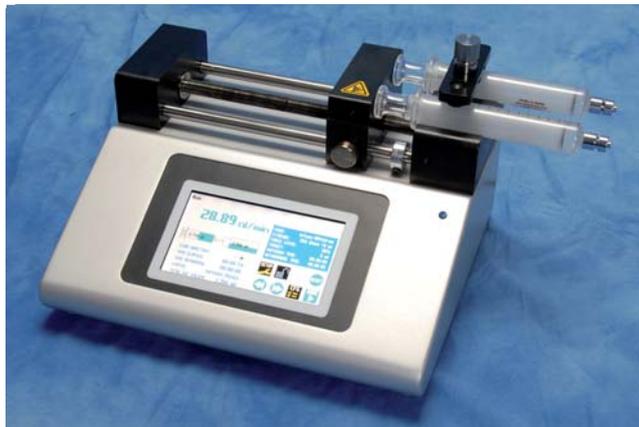
-25%

| Description | PK | Cat. No. | Price NOK | Now NOK |
|------------------------------|----|-----------|---------------------|-----------------|
| Compact Incubator Heratherm™ | 1 | 4.009.190 | 6.721,00 | 5.040,75 |
| Additional shelf | 1 | 4.009.256 | 327,00 | 245,25 |

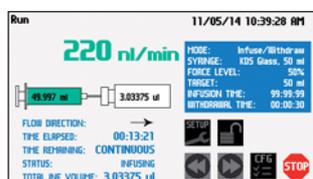
Syringe pumps Legato®

NEW!

kdScientific
a division of Harvard Bioscience, Inc.



6.267 707



The Legato® series syringe pumps provide the smoothest, most accurate flow available. These innovative syringe pumps offer unparalleled ease of use through the high resolution touch screen user interface. The intuitive touch screen enables the user to quickly create configurations and recall them for ease of use.

All of the pump operating parameters are presented to the user on an easy to view run screen. Single syringe, single remote syringe, dual syringe and multitrack configurations are available along with the infuse only or infuse/withdraw/continuous operation (model dependent).

- Single and dual syringe infuse, infuse withdraw & continuous models
- Holds syringe sizes from 0.5ul to 140 ml (Model dependent)
- High resolution, chemically resistant colour touch screen display
- Flow rates down to the picoliter/min (Model dependent)
- Built in syringe selection table
- Programmable interface without the need for a PC (Model dependent)
- USB/RS-232/TTL Interfaces for external control (RS232 available on Legato® 200 Series Only)
- Rugged construction with cold rolled steel chassis
- Integrated spill dam

Applications: Electrospinning, Flow Cytometry, Microfluidics, Mass Spec, Drug Discovery, Organic Synthesis, Nanofluidics, Stereotaxic Injections

Legato® 100 Single Syringe Infusion Pump

Accommodates 1 syringe from 0.5l to 60ml. Entry level pump in the Legato® series. This pump is ideal for applications where a single syringe is used. It allows a wide flow range from 1.26pl/min up to 88.28ml/min.

Legato® 101 Dual Syringe Nanoliter Pump

Accommodates 2 syringes from 0.5l to 10ml. This infusion only pump is ideal for surface plasma resonance, organic synthesis and other applications where dual syringes are required with small volumes under 10ml. The Minimum flow rate 1.26pl/min for a 0.5l syringe up to 25.99ml/min.

-25%

| Description | Dimensions (W x D x H) mm | Weight kg | PK | Cat. No. | Price NOK | Now NOK |
|-------------|---------------------------|-----------|----|-----------|----------------------|------------------|
| Legato® 100 | 226 x 191 x 150 | 2.7 | 1 | 6.267 706 | 16.852,00 | 12.639,00 |
| Legato® 101 | 226 x 191 x 150 | 2.7 | 1 | 6.267 707 | 19.866,00 | 14.899,50 |

LLG-uniVACUUPUMP 1

NEW!

LLG
LABWARE



The portable piston pump uniVACUUPUMP 1 has been developed for low vacuum applications in the laboratory, in particular in the field of Life Science. Typical applications for this low-cost vacuum pump are the single funnel filtration of aqueous and buffered solutions, SPE, as well as any applications where no harmful gases are conveyed. The uniVACUUPUMP 1 operates oil-free and can also be used as a compressor to a pressure up to 3.3 bar. This allows you, for example, pressure filtration, if vacuum filtration is not sufficient. Not recommended for pumping organic, acidic, or basic vapours.

Advantages

- Dry-running technology for physical applications
- Can be used as a vacuum pump and compressor
- Cost-effective alternative for water pumps
- Sound suppressor for quiet operation
- Compact, lightweight and portable
- 3 Years warranty.

Scope of delivery: Pump, incl. 2 hose clamps, EU + UK plug power cord.

Specifications

| | |
|--|---|
| Pump speed 50/60 Hz at atmospheric pressure: | 9.2 l/min |
| Final pressure: | 292 mbar |
| Overpressure, max.: | 3.3 bar |
| Suction/pressure connection: | hose nozzle DN 6 for hose inner diameter 6 mm |
| Ambient temperature: | + 10 to + 40°C |
| Max. Operating gas temperature: | + 60°C |
| Noise DIN EN ISO 2151: | dB (A) ≤ 45 |
| Voltage/frequency: | 230 V/50 Hz |
| Motor power: | 25 W |
| Protection DIN EN 60529: | IP 20 |
| Weight: | 2.0 kg |
| Dimensions (W/D/H): | 194x114x191 mm |

-20%

| Type | PK | Cat. No. | Price NOK | Now NOK |
|--------------------|----|-----------|---------------------|-----------------|
| LLG-uniVACUUPUMP 1 | 1 | 6.263 580 | 3.795,00 | 3.036,00 |

Cell culture flasks, treated, PS, sterile

NEW!



These cell culture flasks with treated surfaces for the cultivation of adherent cells are available with different growth areas from 12.5 to 182 cm². Available with vented or plug-seal caps made from polyethylene. Vented caps contain a 0.22 µm hydrophobic filter to allow gas exchange and minimize risk of cross-contamination. Plug Seal caps can be used in closed systems, providing a liquid and gas sheer seal, but by simply unscrewing the cap one quarter of a turn, this cap can also be used in an open system.

Features

- Innovative angled neck design offers good pipette and cell scraper access
- Upper triangular and wider base shape provides stability
- Protruding ridge on the back side of the flask enables easy stacking
- Special writing area near the neck
- Engraved graduation on both flask sides
- Sterilized by gamma irradiation
- Non-pyrogenic

Material: Polystyrene

-25%

| Culture surface | Working volume | Cover type | Neck thread | PK | Cat. No. | Price | Now |
|-----------------|----------------|------------|-------------|----|-----------|-------------------|--------------|
| cm ² | ml | | mm | | | NOK | NOK |
| 12.5 | 20 | standard | 45 | 10 | 6.267 172 | 76,00 | 57,00 |
| 12.5 | 20 | vented | 45 | 10 | 6.267 173 | 86,00 | 64,50 |
| 25.0 | 40 | standard | 45 | 10 | 6.267 174 | 62,00 | 46,50 |
| 25.0 | 40 | vented | 45 | 10 | 6.267 175 | 64,00 | 48,00 |
| 75.0 | 75 | standard | 45 | 5 | 6.267 176 | 55,00 | 41,25 |
| 75.0 | 75 | vented | 45 | 5 | 6.267 177 | 71,00 | 53,25 |
| 182.0 | 400 | standard | 45 | 5 | 6.267 178 | 92,00 | 69,00 |
| 182.0 | 400 | vented | 45 | 5 | 6.267 179 | 126,00 | 94,50 |

Cell Culture Plates, treated, PS, sterile

NEW!



These standard surface treated cell culture plates for the cultivation of adherent cells exhibit a reduced evaporation due to raised well rims and uniform rings on the lids.

Features

- Available with 6-, 12-, 24-, 48- or 96-wells (lid included)
- Flat well bottom
- 96-well plate also available as round bottom plate (6.267 171)
- Single position lid reduces the risks of cross-contaminations
- Wells are labeled with alphanumeric code for easy identification
- Sterilized by gamma irradiation
- Non-pyrogenic

Material: Polystyrene

-25%

| no. of wells | Culture surface | Working volume | PK | Cat. No. | Price | Now |
|--------------|-----------------|----------------|-----|-----------|---------------------|-----------------|
| | cm ² | ml | | | NOK | NOK |
| 6 | 10.00 | 17.00 | 100 | 6.267 166 | 1.309,00 | 981,75 |
| 12 | 4.20 | 6.80 | 100 | 6.267 167 | 1.408,00 | 1.056,00 |
| 24 | 2.00 | 3.50 | 100 | 6.267 168 | 1.815,00 | 1.361,25 |
| 48 | 0.85 | 1.55 | 100 | 6.267 169 | 1.386,00 | 1.039,50 |
| 96 | 0.38 | 0.39 | 100 | 6.267 170 | 1.177,00 | 882,75 |
| 96 | 0.38 | 0.32 | 100 | 6.267 171 | 1.947,00 | 1.460,25 |

LLG-Cell strainers, Nylon, sterile

NEW!



Cell strainers are especially suited for the generation of homogenous single cell suspensions from tissue or primary cell lysates

- Available in 3 mesh sizes, 40 µm: 70 µm, and 100 µm
- Colour coded mesh size
- Designed to fit into 50 ml tubes
- Individually packaged
- Handle and mantle surface for improved aseptic handling
- Nylon mesh
- Non-pyrogenic

-25%

| Mesh size | Colour code | PK | Cat. No. | Price | Now |
|-----------|-------------|----|-----------|---------------------|---------------|
| µm | | | | NOK | NOK |
| 40 | blue | 50 | 6.268 093 | 1.111,00 | 833,25 |
| 70 | white | 50 | 6.268 092 | 1.111,00 | 833,25 |
| 100 | yellow | 50 | 6.268 091 | 1.111,00 | 833,25 |

LLG-vacuum manifold, stainless steel

NEW!



6.269 118

Multi-branch vacuum manifolds ideal for microbiological monitors and analytical funnels. These space-saving 3- or 6-place manifolds have specifically been designed for operators working in laminar flow hoods. Each manifold position is equipped with a large and easy to operate 2-way valve. The tubing to the vacuum source can be connected to either side of the manifold. A unique system has been incorporated to ensure the stability of the manifold on non-flat working areas. The stainless steel base can be autoclaved; valves and adaptor tubing cannot be autoclaved. The system includes stainless steel manifold with valves and tubing adaptor for microbiological monitors, analytical funnels and no. 8 stoppers.

-25%

| Description | PK | Cat. No. | Price | Now |
|----------------------------------|----|-----------|----------------------|------------------|
| | | | NOK | NOK |
| 3-place stainless steel manifold | 1 | 6.269 118 | 14.993,00 | 11.244,75 |
| 6-place stainless steel manifold | 1 | 6.269 119 | 25.520,00 | 19.140,00 |

LLG-Microbiological Monitors and Analytical Funnels



LLG-Microbiological Monitors and Analytical funnels provide a ready-to-use solution for the filtration of liquid samples using a manifold. No need for flaming or sterilization, reduces the testing time up to 70%. These 100ml units are suited for monitoring contaminants in all types of samples, from raw materials to finished products.

In the case of Microbiological Monitors the nitrocellulose membrane is fixed to the unit. The filtration unit easily converts to a Petri dish, which can be labeled and incubated for further analysis.

When using analytical funnels the nitrocellulose membrane can be removed and transferred to a Petri dish for further analysis.

Adapter for use with a manifold is included.

LLG-Microbiological Monitors, sterile



-25%

| Capacity | Diam. | Pore size | Colour Filter / Grid | PK | Cat. No. | Price | Now |
|----------|-------|-----------|----------------------|----|-----------|---------------------|-----------------|
| ml | mm | µm | | | | NOK | NOK |
| 100 | 56 | 0.45 | white / black | 50 | 6.268 182 | 1.485,00 | 1.113,75 |
| 100 | 56 | 0.45 | black / white | 50 | 6.268 183 | 1.485,00 | 1.113,75 |
| 100 | 56 | 0.80 | black / white | 50 | 6.268 184 | 1.485,00 | 1.113,75 |
| 100 | 56 | 0.20 | white / black | 50 | 6.268 185 | 1.485,00 | 1.113,75 |
| 100 | 47 | 0.45 | white / black | 50 | 6.268 186 | 1.485,00 | 1.113,75 |
| 100 | 47 | 0.45 | white / black* | 50 | 6.268 187 | 2.178,00 | 1.633,50 |
| 100 | 47 | 0.45 | black / white | 50 | 6.268 188 | 1.485,00 | 1.113,75 |
| 100 | 47 | 0.80 | black / white | 50 | 6.268 189 | 1.485,00 | 1.113,75 |

*single packed

LLG-Analytical funnels, sterile



-25%

| Capacity | Diam. | Pore size | Colour Filter / Grid | PK | Cat. No. | Price | Now |
|----------|-------|-----------|----------------------|----|-----------|---------------------|-----------------|
| ml | mm | µm | | | | NOK | NOK |
| 100 | 47 | 0.45 | white / black | 50 | 6.268 176 | 1.485,00 | 1.113,75 |
| 100 | 47 | 0.45 | white / black* | 50 | 6.268 177 | 2.178,00 | 1.633,50 |
| 100 | 47 | 0.20 | white / black | 50 | 6.268 178 | 1.485,00 | 1.113,75 |
| 100 | 47 | 0.20 | white / black* | 50 | 6.268 181 | 2.178,00 | 1.633,50 |
| 100 | 47 | 0.45 | black / white | 50 | 6.268 179 | 1.485,00 | 1.113,75 |
| 100 | 47 | 0.45 | black / white* | 50 | 6.268 180 | 2.178,00 | 1.633,50 |

*single packed

LLG-Quantitative filter paper, circles



Extendend Range of Products Available

Slow, pore size 2 to 3µm.

- for very fine precipitates and small particles
- for soil analysis
- for BaSO₄ (hot precipitate), PbSO₄, Cu₂O, ZnS, NiS
- ashless, equivalent blue tape

-25%

| Diam. | Filtration time | PK | Cat. No. | Price | Now |
|-------|-----------------|-----|-----------|-------------------|---------------|
| mm | secs. | | | NOK | NOK |
| 70 | 180 | 100 | 7.970 271 | 68,00 | 51,00 |
| 90 | 180 | 100 | 9.045 850 | 95,00 | 71,25 |
| 110 | 180 | 100 | 6.242 670 | 134,00 | 100,50 |
| 125 | 180 | 100 | 9.045 851 | 167,00 | 125,25 |
| 150 | 180 | 100 | 9.045 852 | 228,00 | 171,00 |
| 185 | 180 | 100 | 6.242 669 | 323,00 | 242,25 |

Medium fast, pore size 5 to 8µm.

- for NH₄MgPO₄, CaC₂O₄, BaSO₄
- ashless, equivalent red tape



-25%

| Diam. | Filtration time | PK | Cat. No. | Price | Now |
|-------|-----------------|-----|-----------|-------------------|---------------|
| mm | secs. | | | NOK | NOK |
| 55 | 50 | 100 | 6.256 437 | 55,00 | 41,25 |
| 70 | 50 | 100 | 7.970 571 | 68,00 | 51,00 |
| 90 | 50 | 100 | 7.970 032 | 95,00 | 71,25 |
| 110 | 50 | 100 | 6.242 748 | 134,00 | 100,50 |
| 125 | 50 | 100 | 7.970 045 | 167,00 | 125,25 |
| 150 | 50 | 100 | 6.252 765 | 228,00 | 171,00 |
| 185 | 50 | 100 | 6.242 747 | 323,00 | 242,25 |
| 240 | 50 | 100 | 7.970 591 | 648,00 | 486,00 |

Medium fast/fast, pore size 8 to 12µm.

- for PbS, Ag₂S, FeS, carbonates
- ashless, equivalent white tape



-25%

| Diam. | Filtration time | PK | Cat. No. | Price | Now |
|-------|-----------------|-----|-----------|-------------------|---------------|
| mm | secs. | | | NOK | NOK |
| 90 | 20 | 100 | 7.970 057 | 95,00 | 71,25 |
| 110 | 20 | 100 | 7.970 000 | 134,00 | 100,50 |
| 125 | 20 | 100 | 7.970 058 | 167,00 | 125,25 |
| 150 | 20 | 100 | 7.970 001 | 228,00 | 171,00 |
| 185 | 20 | 100 | 7.970 002 | 323,00 | 242,25 |
| 200 | 20 | 100 | 6.242 179 | 544,00 | 408,00 |

Fast, pore size 12 to 15µm.

- for coarse, high volume precipitates
- for determinations according to the German Standard Methods for the examination of water, waste water and sludge.
- for Fe(OH)₃, Al(OH)₃, NaSO₄
- ashless, equivalent black tape

-25%

| Diam. | Filtration time | PK | Cat. No. | Price | Now |
|-------|-----------------|-----|-----------|-------------------|---------------|
| mm | secs. | | | NOK | NOK |
| 70 | 10 | 100 | 9.045 840 | 68,00 | 51,00 |
| 90 | 10 | 100 | 9.045 841 | 95,00 | 71,25 |
| 110 | 10 | 100 | 9.045 842 | 134,00 | 100,50 |
| 125 | 10 | 100 | 9.045 843 | 167,00 | 125,25 |
| 150 | 10 | 100 | 9.045 844 | 228,00 | 171,00 |
| 185 | 10 | 100 | 9.045 845 | 323,00 | 242,25 |

LLG mini centrifuge uniCFUGE 2 with universal rotor

A compact and cost-effective mini centrifuge with a universal rotor for 6x 1.5/2.0ml, 6x 0.5ml tubes or 2 times 8x 0.2ml PCR-strips. Speed can be adjusted to 4000rpm or 6000rpm. Powerful motor for fast starting. Quick stop when the lid is opened. 3 years warranty.



Specifications

Max. RCF: 1200xg and 2000xg
 Max. speed: 4000rpm and 6000rpm
 Max. load: 6 x 0.5/1.5/2ml or 2 x 8-tube PCR strips (0.2ml)
 Dimensions (diam. x H): 140 x 120mm
 Weight: 0.7kg
 Power supply: 100 - 240V, 50/60Hz, 1A
 Warranty: 3 years

-25%

| Description | PK | Cat. No. | Price | Now |
|-------------------------|----|-----------|---------------------|---------------|
| | | | NOK | NOK |
| uniCFUGE 2 with EU-plug | 1 | 6.263 510 | 1.309,00 | 981,75 |
| uniCFUGE 2 with UK-plug | 1 | 6.263 511 | 1.309,00 | 981,75 |

LLG-Microtitre shaker uniPLATESHAKER 1



Space Saving

The LLG-uniPLATESHAKER 1 has been designed for accommodating and mixing a single micro plate. Due to its small footprint it can be used in working areas with limited space such as fume hoods and bio safety cabinets. It can also be used inside a cold-room. 3-years warranty.

- Digital Display with Speed and Time settings
- Variable speed from 300 to 1800rpm
- Maintenance free brushless DC motor
- Orbital Diameter of 2mm for thorough mixing
- Timer setting from 1 to 99min and continuous mode
- Universal fit, comes with interchangeable clamps for different micro plate sizes
- Comes with foam attachment for 20 x 1.5/2ml microtubes

Specifications

Type of movement: orbital
 Orbital diameter: 2mm
 Speed range: 300 to 1800rpm
 Motor: Brushless DC motor
 Timer: 1 to 99min, continuous
 Power consumption: 15 W
 Permissible ambient temperature: 4 to 40°C
 Dimensions (WxDxH): 127 x 85 x 86mm
 Weight: 1.4kg
 Power supply: 100-230V, 50/60Hz

-25%

| Type | PK | Cat. No. | Price | Now |
|-------------------------------|----|-----------|---------------------|-----------------|
| | | | NOK | NOK |
| uniPLATESHAKER 1 with EU-plug | 1 | 6.263 488 | 2.585,00 | 1.938,75 |
| uniPLATESHAKER 1 with UK-plug | 1 | 6.263 489 | 2.585,00 | 1.938,75 |

LLG centrifuge uniCFUGE 5 with timer and digital display



Great price on the 15,595 x g

Compact centrifuge with excellent price-performance ratio and a performance of up to 15,595xg. Microprocessor controlled brushless motor for speeds up to 15,000rpm. Operation possible in RPM or RCF mode. Short-spin mode with selectable RZB and RPM values. Fixed angle rotor with lid, made of aluminium for 12 x 1.5/2ml tubes with optimised aerodynamics which minimize heat generation and noise during use. Large LCD readout with intuitive and user-friendly interface. Integrated imbalance-detection with automatic shutdown. Wide suction feet provide a stable base. The centrifuge can be controlled via computer by using the included software that can store up to 99 user-defined programmes. Operational record output to Excel. 3 years warranty.

Item consists of:

- Centrifuge with rotor (incl. lid) for 12 x 1.5/2ml tubes
- Power supply with USB cable
- 12 Adapters for 0.4/0.5ml tubes
- 12 Adapters for 0.2ml tubes
- Allen wrench with T handle
- Software CD
- User manual

Optional

- Rotor (Cat. No. 6.263 535) for 16 x 0.2ml tubes or 2 x 8 PCR-strips

Specifications

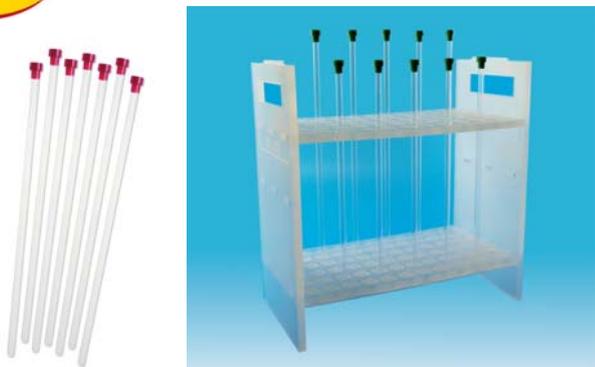
Max. RCF: 15,595xg
 Max. speed: variable from 500 up to 15,000rpm
 Accuracy speed: ±100rpm
 Motor: brushless DC motor
 Max. load: 12x2ml PCR tubes
 Dimensions (WxDxH): 262 x 230 x 131mm
 Weight: 4kg
 Power supply: 100 - 240V, 50/60Hz
 Warranty: 3 years

-25%

| Type | PK | Cat. No. | Price | Now |
|--|----|-----------|---------------------|-----------------|
| | | | NOK | NOK |
| uniCFUGE 5 with EU-plug | 1 | 6.263 530 | 9.779,00 | 7.334,25 |
| uniCFUGE 5 with UK-plug | 1 | 6.263 531 | 9.779,00 | 7.334,25 |
| Rotor for 16 x 0,2ml tubes or 2 x 8 PCR-strips | 1 | 6.263 535 | 1.166,00 | 874,50 |

NMR tubes, 3 and 5mm, borosilicate glass 3.3, KIMAX®-HQ

NEW!



Our KIMAX®-HQ NMR tubes are our highest quality NMR tubes and are 100% gauged for wall thickness, concentricity and camber specifications.

- High-Quality NMR tubes
- Attached polyethylene caps
- Sandblasted marking spot
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

External diameter

at 3mm: 3.0124 (+0.00/-0.013) mm

at 5mm: 4.97 (+0.00/-0.013) mm

Inner diameter

at 3mm: 2.4003 (+0.013/+0.00) mm

at 5mm: 4.20 (+0.013/+0.000) mm

-25%

| Type | Diam. | Length | PK | Cat. No. | Price | Now |
|---------------|-------|--------|----|-----------|---------------------|-----------------|
| | mm | mm | | | NOK | NOK |
| 600-700 MHz | 5 | 178 | 5 | 9.400.317 | 1.012,00 | 759,00 |
| 600-700 MHz | 5 | 203 | 5 | 9.400.318 | 1.111,00 | 833,25 |
| 900 MHz | 5 | 178 | 5 | 9.400.319 | 1.859,00 | 1.394,25 |
| 900 MHz | 5 | 203 | 5 | 9.400.320 | 2.068,00 | 1.551,00 |
| 100 MHz | 3 | 178 | 5 | 9.400.321 | 646,00 | 484,50 |
| 300 MHz | 3 | 203 | 5 | 9.400.322 | 605,00 | 521,25 |
| 200 MHz | 3 | 178 | 5 | 9.400.323 | 605,00 | 521,25 |
| 400 MHz | 3 | 178 | 5 | 9.400.324 | 605,00 | 521,25 |
| 500 MHz | 3 | 178 | 5 | 9.400.325 | 772,00 | 579,00 |
| 500 MHz | 3 | 203 | 5 | 9.400.326 | 854,00 | 640,50 |
| 600-800 MHz | 3 | 178 | 5 | 9.400.327 | 804,00 | 670,50 |
| 600-800 MHz | 3 | 203 | 5 | 9.400.328 | 994,00 | 745,50 |
| NMR Tube Rack | | | 1 | 9.301.065 | 475,00 | 356,25 |

LLG-Disposable syringes, 3-parts, PP

NEW!



- Barrel: PP, Plunger: PP and Polyisoprene rubber
- Luer tip
- Smooth flow, tight, high transparency barrel
- Latex-free, pyrogen-free, DEHP-free, non-toxic
- Non-sterile, bulk packed in box of 500
- Defined safety stop to avoid accidental pull-out of plunger

-25%

| Capacity | PK | Cat. No. | Price | Now |
|----------|-----|-----------|-------------------|---------------|
| ml | | | NOK | NOK |
| 2 | 500 | 6.267.267 | 173,00 | 129,75 |
| 5 | 500 | 6.267.268 | 206,00 | 154,50 |
| 10 | 500 | 6.267.269 | 297,00 | 222,75 |
| 20 | 500 | 6.267.270 | 469,00 | 351,75 |

LLG Syringe Filter NY, Nylon/Polyamide



This is a rather hydrophilic membrane; it is recommended for filtration of aqueous and organic/aqueous medium polar liquids.

Excellent chemical compatibility with esters, bases and alcohols.



-25%

| Filter diam. | Pore size | Housing | Type | PK | Cat. No. | Price | Now |
|--------------|-----------|---------|-------------|-----|-----------|---------------------|-----------------|
| mm | µm | | | | | NOK | NOK |
| 13 | 0.20 | PP | non sterile | 500 | 9.055.520 | 4.763,00 | 3.572,25 |
| 13 | 0.45 | PP | non sterile | 500 | 9.055.522 | 4.763,00 | 3.572,25 |
| 25 | 0.20 | PP | non sterile | 500 | 9.055.521 | 3.839,00 | 2.879,25 |
| 25 | 0.45 | PP | non sterile | 500 | 9.055.523 | 3.839,00 | 2.879,25 |

LLG Syringe Filter RC, Regenerated cellulose



Hydrophilic membrane features very low absorption. It is recommended for filtration of aqueous and organic/aqueous liquids.

For filtration of polar and medium polar liquids.



-25%

| Filter diam. | Pore size | Housing | Type | PK | Cat. No. | Price | Now |
|--------------|-----------|---------|-------------|-----|-----------|---------------------|-----------------|
| mm | µm | | | | | NOK | NOK |
| 13 | 0.20 | PP | non sterile | 500 | 9.055.530 | 6.083,00 | 4.562,25 |
| 13 | 0.45 | PP | non sterile | 500 | 9.055.532 | 6.083,00 | 4.562,25 |
| 25 | 0.20 | PP | non sterile | 500 | 9.055.531 | 5.819,00 | 4.364,25 |
| 25 | 0.45 | PP | non sterile | 500 | 9.055.533 | 5.819,00 | 4.364,25 |

LLG Syringe Filter PTFE, Polytetrafluorethylene



Hydrophobic membrane. Ideal for filtration of non-polar liquids and gases.

It is very resistant to various solvents as well as acids and bases.



-25%

| Filter diam. | Pore size | Housing | Type | PK | Cat. No. | Price | Now |
|--------------|-----------|---------|-------------|-----|-----------|---------------------|-----------------|
| mm | µm | | | | | NOK | NOK |
| 13 | 0.20 | PP | non sterile | 500 | 7.970.402 | 5.555,00 | 4.166,25 |
| 13 | 0.45 | PP | non sterile | 500 | 7.970.385 | 5.555,00 | 4.166,25 |
| 25 | 0.20 | PP | non sterile | 500 | 9.055.535 | 4.235,00 | 3.176,25 |
| 25 | 0.45 | PP | non sterile | 500 | 6.255.331 | 4.235,00 | 3.176,25 |

LABORTOPS

Photometers PrimeLab 1.0

The new PrimeLab 1.0 photometer is the first and only photometer using just one LED and one (JENCOLOR) sensor, simultaneously covering 400 wavelengths in one go. The JENCOLOR sensor allows self-calibration of the unit in seconds. More than 100 test methods are available on the PrimeLab 1.0 to be individually selected when device is purchased. Even after purchase, not chosen parameters can be activated afterwards by entering a code. Step-by-step guidance through each test method in 4 different languages (7 languages when using the App) is displayed on the screen. User can choose to either use tablet, liquid or powder reagents.

Wireless Bluetooth technology combined with powerful PC-software (PrimeLab Desktop Assistant) and App for Android, iOS and Windows with free Cloud-Service, make the PrimeLab a powerful tool for on-spot-testing (battery) and also for each lab (DC-connected).

Each measurement can be connected to an individual "account", identifying the water source, to always keep track of test results. Users can create and export test reports per "account" via software and/or App, where it also can store individual water treatment chemicals to create dosage recommendations, based on test results, account settings (such as water source volume) and individual water treatment chemicals.

Using the PrimeLab adapter for Turbidity (NTU), PTSA and Fluorescein, even those parameters can be tested by the PrimeLab whereas user normally needs to purchase a second device. Further info under www.primelab.org

Over 100 Test Methods with just 1 device!

Made in Germany

Specifications

| | |
|----------------|---|
| Optic: | JENCOLOR Multispectral sensor, covering 380-780 nm |
| Power: | 4 x AAA batteries/5.0 V DC-adapter with international plugs |
| Size: | 180 x 90 x 60 mm |
| Weight: | 160g |
| Communication: | Wireless via Bluetooth |
| Connection: | Free PC software (windows) "PrimeLab Desktop Assistant" and free Android/iOS/Windows App |
| Time/date: | RTC (real time clock) with date |
| Auto-off: | Set by user (0 - 99 min) |
| Display: | LCD (monochrome) |
| Calibration: | Auto-calibration function due to JENCOLOR sensor |
| One-Time-Zero: | Intelligent OTZ, based on chosen method |
| Memory: | On device: 20 accounts/100 test results. Unlimited via software and App |
| Languages: | English, Spanish, French, German. Software/App: English, Spanish, French, German, Italian, Russian, Chinese |
| Environment: | 30-90% RH (not condensating), ca. 5°C-45°C |
| Certification: | CE |

PrimeLab 1.0 Multitest Photometer BASIC-KIT 3-in-1 (Chlorine/pH/Chlorine dioxide):

PrimeLab 1.0 Multitest Photometer in a black plastic case with foam insert. 4 x 24mm/10ml Glass-vials, light shield, stirring rod, 10ml syringe, cleaning brush, Bluetooth-USB-dongle for non-bluetooth PC, 4 x AAA-batteries, DC-adapter with international plugs, CD-ROM "PrimeLab Desktop Assistant", full printed manual.

Pre-activated parameters:

ID11 - Chlorine (free/combined/total) using DPD tablets

ID16 - Chlorine dioxide using DPD tablets

ID38 - pH using Phenol Red tablets

Reagent tablets to do 50 tests of the above mentioned parameters

PrimeLab 1.0 Multitest Photometer ALL-IN-KIT (all current and future parameters activated):

PrimeLab 1.0 Multitest Photometer in a black plastic case with foam insert. 4 x 24mm/10ml Glass-vials, light shield, stirring rod, 10ml syringe, cleaning brush, filter-kit containing 20ml luer-lock-syringe, filter-adapter as well as 50 filter papers each of GF/C and 0.45µ, 100ml dilution tube, Bluetooth-USB-dongle for non-bluetooth PC, 4 x AAA-batteries, DC-adapter with international plugs, CD-ROM "PrimeLab Desktop Assistant", full printed manual, All available parameters are activated on the device. Parameters released in the future will be automatically added and activated while performing an update through PC-software or App.

Accessories can be found in the main catalog on page 1128.



-25%

| Description | Measuring range | PK | Cat. No. | Price | Now |
|------------------|---|----|-----------|--------------------------|-----------------|
| BASIC-KIT 3-in-1 | View a full range of available test methods on www.primelab.org | 1 | 6.268 024 | NOK 6.050,00 | 4.537,50 |
| ALL-IN-KIT | | 1 | 6.268 025 | NOK 12.353,00 | 9.264,75 |