

## LABORTOPS

valid until 31.03.2020

### Laboratory Balances Entris® II



- With isoCAL
- Large Touch Display
- High Chemical Resistance



sartorius

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## LLG-Weighing Bottles with NS lid, Borosilicate glass 3.3



With writing area.

### Amazing Value!

| Form | Capacity | Diam. | Height | NS      | PK | Cat. No.  | Price |
|------|----------|-------|--------|---------|----|-----------|-------|
|      | ml       | mm    | mm     |         |    |           | EUR   |
| low  | 3        | 25    | 25     | 19/12   | 1  | 9.300 151 | 6.23  |
| low  | 10       | 35    | 30     | 29/12   | 1  | 9.300 152 | 6.38  |
| low  | 11       | 40    | 25     | 34.5/12 | 1  | 9.300 150 | 6.69  |
| low  | 20       | 50    | 30     | 45/12   | 1  | 9.300 153 | 6.66  |
| low  | 29       | 60    | 30     | 50/12   | 1  | 9.300 154 | 7.82  |
| low  | 60       | 80    | 30     | 80/12   | 1  | 9.300 155 | 16.32 |
| tall | 9        | 25    | 40     | 19/12   | 1  | 9.300 160 | 6.20  |
| tall | 19       | 30    | 50     | 24/12   | 1  | 9.300 161 | 6.46  |
| tall | 42       | 35    | 70     | 29/12   | 1  | 9.300 162 | 6.63  |
| tall | 66       | 40    | 80     | 34.5/12 | 1  | 9.300 163 | 6.82  |
| tall | 105      | 50    | 80     | 45/12   | 1  | 9.300 164 | 6.66  |

## LLG-Weighing Brush, with wooden handle



Excellent tool for cleaning weighing boats, weighing dishes and analytical balances.

| Description        | PK | Cat. No.  | Price |
|--------------------|----|-----------|-------|
|                    |    |           | EUR   |
| LLG-Weighing brush | 1  | 6.267 404 | 9.17  |

## Disposable Spoons SteriPlast®, PS



- Individually packed
- Additionally gamma-sterilised
- Production, assembly and packaging acc. to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines

| Type        | Sterile | Capacity | Length | PK  | Cat. No.  | Price |
|-------------|---------|----------|--------|-----|-----------|-------|
|             |         | ml       | mm     |     |           | EUR   |
| SteriPlast® | +       | 2.5      | 127    | 100 | 6.265 045 | 25.88 |
| SteriPlast® | +       | 10       | 170    | 100 | 6.265 046 | 27.56 |

## Weighing Boat Parchment Paper, Kjeldahl 609



Distributor  
GE Healthcare



Especially for determination of nitrogen according to Kjeldahl (e.g. determination of total protein content in foodstuff). Made of nitrogen-free parchment paper. Can be dropped into the Kjeldahl flask and be dissolved together with the sample.

| Type         | Width | Length | Height | PK  | Cat. No.  | Price |
|--------------|-------|--------|--------|-----|-----------|-------|
|              | mm    | mm     | mm     |     |           | EUR   |
| Kjeldahl 609 | 10    | 55     | 10     | 100 | 9.069 011 | 73.98 |

## Laboratory Balances Entris® II



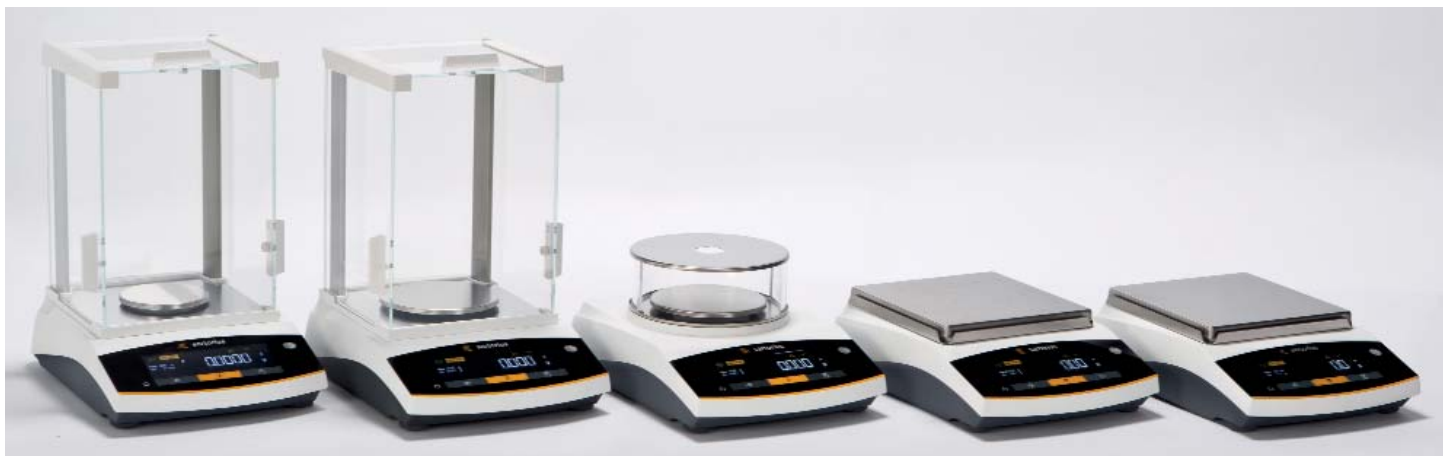
- With isoCAL
- Intuitive User Interface
- High Chemical Resistance



The evolution of the Entris® balance series. The large portfolio offers the right model for every weighing task. With many convenience functions for efficiency and accuracy in the laboratory. "Made in Germany" Quality.

- Modern sensors ensure very fast stabilisation time
- Automatic, internal calibration and adjustment function (isoCAL) for all "i" models
- Weighing platform made of stainless steel

- Excellent readability and operability with hybrid touch display
- Automatic detection of connected Sartorius accessories
- Direct data transfer to connected PCs with USB-C and RS232 interface without the need of additional software
- 12 integrated applications with GLP/GMP-compliant protocol
- Easy to clean, high chemical resistance
- Multilingual interface



### Precision Balances Entris® II

**Scope of supply:** Precision balance, power supply unit, dust protection cover.

**Specifications**

|                         |  |
|-------------------------|--|
|                         | <b>without windshield // with windshield</b> |
| Weighing platform:      | 182 x 182 mm // Ø 120 mm                     |
| Dimensions (W x D x H): | 219 x 317 x 94 mm //<br>219 x 317 x 146 mm   |
| Power supply:           | 100 ... 240 V, 50 ... 60 Hz                  |

| Type        | Capacity | Readability | Reproducibility | Linearity | Weight | PK | Cat. No.  | Price           |
|-------------|----------|-------------|-----------------|-----------|--------|----|-----------|-----------------|
|             | g        | g           | g               | ± g       | kg     |    |           | EUR             |
| BCE653i-1S* | 650      | 0.001       | 0.0005          | 0.0006    | 4.8    | 1  | 4.669 172 | <b>1,346.25</b> |
| BCE2201-1S  | 2200     | 0.1         | 0.05            | 0.06      | 4.3    | 1  | 4.669 113 | <b>708.75</b>   |
| BCE2202-1S  | 2200     | 0.01        | 0.005           | 0.006     | 4.3    | 1  | 4.669 117 | <b>858.75</b>   |
| BCE2202i-1S | 2200     | 0.01        | 0.005           | 0.006     | 6.2    | 1  | 4.669 120 | <b>1,046.25</b> |
| BCE4202i-1S | 4200     | 0.01        | 0.005           | 0.006     | 6.2    | 1  | 4.669 140 | <b>1,196.25</b> |
| BCE6202-1S  | 6200     | 0.01        | 0.005           | 0.006     | 4.6    | 1  | 4.669 153 | <b>1,158.75</b> |
| BCE6202i-1S | 6200     | 0.01        | 0.005           | 0.006     | 6.2    | 1  | 4.669 156 | <b>1,346.25</b> |
| BCE8201i-1S | 8200     | 0.1         | 0.05            | 0.06      | 6.2    | 1  | 4.669 180 | <b>1,046.25</b> |

\* with round glass windshield

### Precision Balances Entris® II with square windshield

High weighing space, easy access to weighing platform through side doors and upper sliding door. Specially coated windscreen against electrostatic charge.

**Scope of supply:** Precision balance, power supply unit, dust protection cover.

**Specifications**

|                         |                             |
|-------------------------|-----------------------------|
| Readability:            | 1 mg                        |
| Reproducibility:        | ±1 mg                       |
| Weighing platform:      | Ø 120 mm                    |
| Weighing space height:  | 240 mm                      |
| Dimensions (W x D x H): | 219 x 317 x 345 mm          |
| Weight:                 | 6.3 kg                      |
| Power supply:           | 100 ... 240 V, 50 ... 60 Hz |

| Type       | Capacity | Linearity | PK | Cat. No.  | Price           |
|------------|----------|-----------|----|-----------|-----------------|
|            | g        | ± g       |    |           | EUR             |
| BCE323-1S  | 320      | 0.6       | 1  | 4.669 133 | <b>783.75</b>   |
| BCE423i-1S | 420      | 0.6       | 1  | 4.669 144 | <b>1,046.25</b> |
| BCE623i-1S | 620      | 0.6       | 1  | 4.669 164 | <b>1,196.25</b> |

### Analytical Balances Entris® II

High weighing space, easy access to weighing platform through side doors and upper sliding door. Specially coated windscreen avoids electrostatic charge.

**Scope of supply:** Analytical balance, power supply unit.

**Specifications**

|                         |                             |
|-------------------------|-----------------------------|
| Readability:            | 0.1 mg                      |
| Reproducibility:        | ±0.1 mg                     |
| Weighing platform:      | Ø 90 mm                     |
| Weighing space height:  | 240 mm                      |
| Dimensions (W x D x H): | 219 x 317 x 345 mm          |
| Weight:                 | 6.2 kg                      |
| Power supply:           | 100 ... 240 V, 50 ... 60 Hz |

### Great Deals on Sartorius Balances

| Type       | Weighing range | Linearity | PK | Cat. No.  | Price           |
|------------|----------------|-----------|----|-----------|-----------------|
|            | g              | ± g       |    |           | EUR             |
| BCE124-1S  | 0.0001 ... 120 | 0.6       | 1  | 4.669 109 | <b>1,233.75</b> |
| BCE124i-1S | 0.0001 ... 120 | 0.6       | 1  | 4.669 112 | <b>1,421.25</b> |
| BCE224-1S  | 0.0001 ... 220 | 0.6       | 1  | 4.669 125 | <b>1,308.75</b> |
| BCE224i-1S | 0.0001 ... 220 | 0.6       | 1  | 4.669 128 | <b>1,496.25</b> |

## Respirators Aura™ 9300+ Series, Folding Masks



Particle masks Series 3M™ Aura™ 9300+ offer effective respiratory protection in industrial applications where workers are exposed to dust and/or non-volatile liquid particles.

### Features and advantages of the Aura™ 9300+ series

- Clear vision: Embossed top panel helps reduce fogging of eyewear
- Low breathing resistance filter technology combines the benefits of 3M's electret particulate filter material with advanced low breathing resistance filter technology
- 3M™ Cool Flow™ Valve effectively removes heat build up to provide a cooler and more comfortable wear
- Innovative chin tab improves ease of donning and adjustment to help achieve a comfortable fit
- Ingenious 3-Panel design fits a wide range of face shapes and sizes to accommodate your facial movements
- Coloured headbands for easy identification: yellow for FFP1, blue for FFP 2 and red for FFP3
- Flat fold; easy to store when not in use
- Hygienic individual packaging helps protect the respirator from contamination before use

Authorisation: EU construction test  
 Testing standards: EN 149:2001 + A1:2009

## Amazing Savings on Occupational Safety Gear!

| Type        | Description          | Protection-level | PK | Cat. No.  | Price |
|-------------|----------------------|------------------|----|-----------|-------|
|             |                      |                  |    |           | EUR   |
| Aura™ 9310+ | without valve        | FFP1             | 20 | 9.005 670 | 19.20 |
| Aura™ 9312+ | with Cool-Flow valve | FFP1             | 10 | 9.005 671 | 17.28 |
| Aura™ 9320+ | without valve        | FFP2             | 20 | 9.005 672 | 36.80 |
| Aura™ 9322+ | with Cool-Flow valve | FFP2             | 10 | 9.005 673 | 25.44 |
| Aura™ 9330+ | without valve        | FFP3             | 20 | 9.005 674 | 89.76 |
| Aura™ 9332+ | with Cool-Flow valve | FFP3             | 10 | 9.005 675 | 51.04 |

## LLG-Safety Eyeshields evolution



- CE approved to EN166, EN170
- Panoramic wrapping lens
- 180° field of vision
- Frame made of tested hypo-allergenic material
- Side arms adjustable in length
- Nose pad and arm tips are made from soft, mouldable material offer optimal comfort and individual customisation
- Rubber eyebrow protection for greater shock absorption
- 100 % UV protection (up to 400 nm)
- Lightweight: 30 g only

| Colour      | Lens  | PK | Cat. No.  | Price |     |
|-------------|---|----|-----------|-------|-----|
|             |   |    |           |       | EUR |
| black/green | clear, anti-scratch plus and anti-fog lens plus, 2C-1.2 U 1 FT CE | 1  | 9.006 010 | 6.15  |     |

## Women and Men's Laboratory Coats (Unisex) 1656

- Fold down collar
- With press studs
- Long sleeved
- Two side pockets are provided
- One outer breast pocket
- Without belt at the back



Material: Sanfor 100 % cotton diagonal twill  
 Colour: white  
 Weight: approx. 205 g/m<sup>2</sup>  
 Length: approx. 103 cm (Size L)

| Size | PK | Cat. No.  | Price |
|------|----|-----------|-------|
|      |    |           | EUR   |
| XS   | 1  | 9.414 320 | 19.81 |
| S    | 1  | 9.414 321 | 19.81 |
| M    | 1  | 9.414 322 | 19.81 |
| L    | 1  | 9.414 323 | 19.81 |
| XL   | 1  | 9.414 324 | 19.81 |
| XXL  | 1  | 9.414 325 | 19.81 |

## Safety Eyeshields uvex super g 9172



**! Only 18 g**



One of the lightest safety eyeshields worldwide, weighing only 18 g.

- Extremely thin lenses with exceptional optical clarity
- Ultralight Grilamid® frame
- Non-slip, perfect fit
- Metal-free

The coating of the lens is:

1. uvex supervision excellence, outside scratch-resistant, inside non-fogging, and with 100 % UV protection.
2. uvex supervision sapphire, excellent scratch and chemical resistance with 100 % UV protection.

| Colour  | Lens                     | Coating | PK | Cat. No.  | Price |
|---------|--------------------------|---------|----|-----------|-------|
|         |                          |         |    |           | EUR   |
| crystal | PC transparent/UV, 2-1.2 | 1       | 1  | 6.228 096 | 13.29 |
| titan   | PC transparent/UV, 2-1.2 | 2       | 1  | 9.005 164 | 12.09 |



## Disposable Gloves Microflex® 93-260

EN 388



EN 374



JKL

EN 374



**Ansell**



Three layer design nitrile-neoprene-nitrile (100 % latex free and free of silicone) for superior protection against harsh chemicals including acids, solvents and bases. Thin mil construction provides enhanced tactility and dexterity. Extra soft material and ergonomic design for outstanding fit, feel and flexibility for longer wear time. Lower acceptable pinhole rate (0.65 AQL) and extended cuff for reliable protection against hazardous substances. Thickness 0.20 mm Silicone free formulation and processing ensure better product protection. **Cat. III**

### Great Value Gloves!

| Size | Length<br>mm | PK | Cat. No.  | Price<br>EUR |
|------|--------------|----|-----------|--------------|
| XS   | 300          | 50 | 6.285 431 | <b>16.34</b> |
| S    | 300          | 50 | 6.285 432 | <b>16.34</b> |
| M    | 300          | 50 | 6.285 433 | <b>16.34</b> |
| L    | 300          | 50 | 6.285 434 | <b>16.34</b> |
| XL   | 300          | 50 | 6.285 435 | <b>16.34</b> |
| XXL  | 300          | 50 | 6.285 436 | <b>16.34</b> |

## Safety Gloves Clavies®, Heat Protection up to 230 °C

**scienceware®**  
BEL-ART PRODUCTS



Soft, pliant, all-cotton terry cloth gloves. They are superb for handling hot objects out of the autoclave or oven, or for other heat protection in the lab, school or industry. Note: Gloves are not waterproof and should not be used to handle dry ice. 1 pair per pack.

| Length<br>gauntlet<br>mm | Overall<br>length<br>mm | PK | Cat. No.  | Price<br>EUR |
|--------------------------|-------------------------|----|-----------|--------------|
| 130                      | 330                     | 1  | 9.005 271 | <b>23.76</b> |
| 280                      | 470                     | 1  | 9.005 272 | <b>33.59</b> |

## LLG-Disposable Gloves classic, Latex

EN ISO 374-1



Type C



K P

EN ISO 374-5



VIRUS

EN 420



**LLG**  
LABWARE



The ideal glove for all applications which require a high tactile sensitivity.

- Skin friendly
- High durability due to special formulation
- **Cat. III Low Chemical resistant.** AQL 1.5.
- Thiuram free, reduced risk of contact eczemas

According to EN ISO 374-1:2016/Type C, EN ISO 374-5, EN 420 Suitable for food handling.

Glove shape: flat with rolled edge, ambidextrous  
Material: natural latex  
Colour: natural white  
Outside: textured fingers  
Inside: powder free  
Size/Length: S, M, L, XL/med. 240 mm  
Thickness (measured in double layer): 0.20 mm

| Size | PK  | Cat. No.  | Price<br>EUR |
|------|-----|-----------|--------------|
| S    | 100 | 9.006 383 | <b>4.54</b>  |
| M    | 100 | 9.006 384 | <b>4.54</b>  |
| L    | 100 | 9.006 385 | <b>4.54</b>  |
| XL   | 90  | 9.006 386 | <b>4.54</b>  |

## Cut-Protection Gloves uvex C500 dry/foam

EN 388



2 5 4 x

EN 388



4 5 4 2

**uvex**



The new uvex C500 range sets standards in protection, comfort, flexibility, dexterity and economy.

- Model C500 Foam: palm and fingertips coated with soft-grip foam, moisture-repellent
- Model C500 dry: palm with micro-nubs, for dry working areas
- Outstanding tactile feel
- Flexible
- Silicone-free according to imprint test
- 1 pair per pack

Length: 270 mm  
Colour: lime/anthracite

| Type | Size | PK | Cat. No.  | Price<br>EUR |
|------|------|----|-----------|--------------|
| dry  | 7    | 1  | 9.414 650 | <b>14.95</b> |
| dry  | 8    | 1  | 9.414 651 | <b>14.95</b> |
| dry  | 9    | 1  | 9.414 652 | <b>14.95</b> |
| dry  | 10   | 1  | 9.414 653 | <b>14.95</b> |
| dry  | 11   | 1  | 9.414 654 | <b>14.95</b> |
| foam | 7    | 1  | 9.414 655 | <b>15.86</b> |
| foam | 8    | 1  | 9.414 656 | <b>15.86</b> |
| foam | 9    | 1  | 9.414 657 | <b>15.86</b> |
| foam | 10   | 1  | 9.414 658 | <b>15.86</b> |

## NMR Tubes, 3 and 5mm borosilicate glass 3.3, standard



The NMR tubes have precise tolerances for consistent high accuracy. Most suitable for autosampling NMR systems and high-throughput NMR. Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

- Fire polished rim
- Applicable until 600MHz

Please order closing caps separately.

### Reduced Price!

| Outer diam. mm | Int. diam. mm | Length mm | Wall thickness mm | PK  | Cat. No.  | Price EUR    |
|----------------|---------------|-----------|-------------------|-----|-----------|--------------|
| 2.95 ± 0.03    | 2.36 ± 0.03   | 178       | 0.29              | 50  | 6.281 792 | <b>89.68</b> |
| 2.95 ± 0.03    | 2.36 ± 0.03   | 203       | 0.29              | 50  | 6.281 793 | <b>99.03</b> |
| 4.95 ± 0.05    | 4.19 ± 0.05   | 178       | 0.38              | 100 | 9.400 310 | <b>82.45</b> |
| 4.95 ± 0.05    | 4.19 ± 0.05   | 203       | 0.38              | 100 | 9.400 311 | <b>87.55</b> |

## Closing Caps for 5 mm NMR tubes

| Colour | PK  | Cat. No.  | Price EUR   |
|--------|-----|-----------|-------------|
| red    | 100 | 9.400 312 | <b>3.83</b> |
| green  | 100 | 9.400 313 | <b>3.83</b> |
| yellow | 100 | 9.400 314 | <b>3.83</b> |
| blue   | 100 | 9.400 316 | <b>3.83</b> |

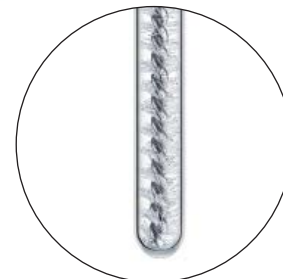
## NMR Tube Rack, PP



With carrying handles. It features an upper deck with holes and a lower deck support for tube ends. Stackable. For 72 tubes with 3 or 5 mm diameter. Dimensions (L x W x H): 213 x 115 x 222 mm.

| Type          | PK | Cat. No.  | Price EUR    |
|---------------|----|-----------|--------------|
| NMR Tube Rack | 1  | 9.301 065 | <b>36.56</b> |

## NMR Brushes



For cleaning NMR tubes.

| Length mm | PK | Cat. No.  | Price EUR   |
|-----------|----|-----------|-------------|
| 250       | 5  | 4.669 337 | <b>9.24</b> |

## Disposable Syringes HSW HENKE-JECT®, 2-part, non-sterile



- PP barrel
- PE piston
- Wipe-resistant scale
- Transparent cylinder
- Pyrogen-free, non-toxic and PVC-free

| Capacity ml | Nozzle type | PK  | Cat. No.  | Price EUR    |
|-------------|-------------|-----|-----------|--------------|
| 1           | Luer-Slip   | 100 | 4.669 386 | <b>9.29</b>  |
| 5           | Luer-Slip   | 100 | 4.669 387 | <b>7.88</b>  |
| 2           | Luer-Slip   | 100 | 4.669 388 | <b>9.45</b>  |
| 10          | Luer-Slip   | 100 | 4.669 389 | <b>11.44</b> |
| 20          | Luer-Slip   | 100 | 4.669 390 | <b>15.75</b> |
| 30          | Luer-Slip   | 50  | 4.669 391 | <b>22.97</b> |
| 50          | Luer-Slip   | 30  | 4.669 392 | <b>29.25</b> |

## Hydrogen Generators Precision Hydrogen



**Compact, Modular and Stackable System**



Precision Hydrogen 100

For the safe and continuous production of hydrogen with a purity of 99.9995 % for GC and GC/MS.

- On demand generation of high-purity hydrogen as detector gas or the FID
- Hydrogen production from deionised water using proton exchange membrane
- Internal leakage detection with automatic switch-off function
- Minimal hydrogen storage in the system
- Front LED touch screen with status display
- Systems are available with different flow rates
- Very low maintenance requirements
- 3 years warranty on the hydrogen cell

**Scope of supply:** Hydrogen generator, 1 m Tygon® tubing, Deioniser column refill, barbed hose fitting, mains power cable for EU, UK and US, 2 x transit plugs

### Specifications

|                                  |                                 |
|----------------------------------|---------------------------------|
| Purity:                          | 99.9995 %                       |
| Max. pressure:                   | 6.9 bar/100 psi                 |
| Required water quality:          | <1.0 µS/cm                      |
| Gas connection:                  | 1/8" Swagelok                   |
| Permissible ambient temperature: | 10 ... 35 °C                    |
| Dimensions (W x D x H):          | 38.0 x 54.0 x 40.6 cm           |
| Power supply:                    | 110/230 V, 50/60 Hz             |
| Warranty:                        | 3 years (cell). 1 year (device) |

| Type                   | Flow rate<br>L / min. | Weight<br>kg | PK | Cat. No.  | Price<br>EUR    |
|------------------------|-----------------------|--------------|----|-----------|-----------------|
| Precision Hydrogen 100 | 0.1                   | 29           | 1  | 4.669 273 | <b>5,175.65</b> |
| Precision Hydrogen 200 | 0.2                   | 29           | 1  | 4.669 274 | <b>5,619.35</b> |
| Precision Hydrogen 300 | 0.3                   | 29           | 1  | 4.669 275 | <b>6,586.65</b> |
| Precision Hydrogen 450 | 0.45                  | 29           | 1  | 4.669 276 | <b>8,076.70</b> |

## HPLC SafetyCaps Starter Kits 2.0, GL 45



The integrated air valve blocks hazardous vapours and cleans the inflowing air from dust and dirt particles.

- Air valve with Luer-Lock adapter, PTFE filter and valve membrane
- Reproducible analysis results through stable mobile phase
- Chemically resistant PTFE body, freely rotatable
- Screw cap made of PPS, autoclavable
- Use the supplied blind plugs to tighten connectors which are temporarily inactive or not in use

### Contents of the different sets:

**HPLC SafetySet 1:** 3 x SafetyCaps I 2.0,

1 x SafetyCap II 2.0, 1 x blind plug

**HPLC SafetySet 2:** 4 x SafetyCaps II 2.0,

4 x blind plugs

### Even Lower Prices!

| Type              | PK | Cat. No.  | Price<br>EUR  |
|-------------------|----|-----------|---------------|
| HPLC safety set 1 | 1  | 4.669 378 | <b>237.46</b> |
| HPLC safety set 2 | 1  | 4.669 379 | <b>253.94</b> |

## Copure® QuEChERS Extraction Kits



Extraction and clean-up mixtures for sample preparation in the pesticide analysis of vegetable foodstuffs according to EN 15662.

The samples are first extracted with Mix A. Purification is done with one of the following mixtures:

- **Mix B** for fruits and vegetables with low fat content
- **Mix C** for fruits and vegetables with high fat content
- **Mix D** for moderately chlorophyll/carotenoid-containing fruits and vegetables
- **Mix E** for fruits and vegetables with high chlorophyll/carotenoid content

- **Mix A contains a bag with the required amount of mixture and a 50 ml empty tube**
- **Mix B, C, D and E are pre-weighed into a 15 ml tube**

| Type               | Capacity<br>ml | Composition   | PK  | Cat. No.  | Price<br>EUR  |
|--------------------|----------------|---|-----|-----------|---------------|
| Mix A              | 50             | 4 g MgSO <sub>4</sub> ,<br>1 g NaCl,<br>1 g Sodium Citrate,<br>0.5 g Disodium Citrate | 50  | 4.669 294 | <b>84.00</b>  |
| Mix B              | 15             | 0.15 g PSA,<br>0.9 g MgSO <sub>4</sub>  | 50  | 4.669 295 | <b>73.50</b>  |
| Mix C              | 15             | 0.15 g PSA, 0.15 g C18,<br>0.9 g MgSO <sub>4</sub>                                    | 50  | 4.669 296 | <b>105.75</b> |
| Mix D              | 15             | 0.15 g PSA, 0.015 g GCB,<br>0.9 g MgSO <sub>4</sub>                                   | 50  | 4.669 297 | <b>93.75</b>  |
| Mix E              | 15             | 0.15 g PSA, 0.045 g GCB,<br>0.9 g MgSO <sub>4</sub>                                   | 50  | 4.669 298 | <b>126.00</b> |
| Homogenising beads |                | Ceramic   | 100 | 4.669 299 | <b>37.50</b>  |



# pH and Conductivity Measurement

## LLG-pH Pen



- Perfect for Measurements in Narrow Vessels
- 3-Point Calibration



**Cost efficient pH tester**, ideal for testing small amounts of liquid and/or in narrow vessels. The supplied storage container prevents the electrode from drying out.

- ATC from 0 °C to 50 °C
- Large, easy-to-read LCD display
- 3-point calibration

**Scope of supply:** pH meter

### Specifications

|  |                            |
|--|----------------------------|
| pH Measuring range:                    | 0 ... 14                   |
| pH Accuracy:                           | ±0.1                       |
| pH Resolution:                         | ±0.1                       |
| Dimensions with electrode (W x D x H): | 36 x 20 x 210 mm           |
| Dimensions electrode (diam. x L):      | 12 x 110 mm                |
| Weight:                                | 72 g                       |
| Power supply:                          | 2 x 3 V CR2032 button cell |
| IP code:                               | IP 65                      |
| Warranty:                              | 2 years                    |

## Excellent Opportunities in pH & Conductivity Measurement!

| Type       | PK | Cat. No.  | Price |
|------------|----|-----------|-------|
|            |    |           | EUR   |
| LLG-pH Pen | 1  | 6.263 690 | 23.90 |

## Technical Buffer Solutions



Identified by colour-coded labels. Tolerance ±0.03 pH.

| pH-value at 25 °C | Capacity ml | PK | Cat. No.  | Price |
|-------------------|-------------|----|-----------|-------|
|                   |             |    |           | EUR   |
| 4.01              | 1000        | 1  | 9.040 722 | 31.27 |
| 7.00              | 1000        | 1  | 9.040 723 | 31.27 |
| 10.01             | 1000        | 1  | 9.040 725 | 31.27 |

## LLG-pH Meter 5



- pH/mV-/°C Handheld Instrument
- Very Easy to Use



- The pH value and temperature can be stored directly on the SD card (Excel file) or transferred directly from the pH meter to a PC via the RS-232 interface.
- Gel filled pH electrode with external temperature sensor with 1m cable
  - BNC connector
  - Automatic temperature compensation (ATC)
  - Large, easy-to-read LCD display
  - 3 point calibration
  - Suitable for all standard SD cards with 1 to 16 GB

Please order batteries separately (6 x 1.5 V AA)  
Optional: power cable, PC connection cable, PC software

**Scope of supply:** pH meter, pH electrode with temperature sensor, buffers pH 4 and pH 7, 4 GB SD-Memory card, transport case.

### Specifications

|                              |   |
|------------------------------|---|
| Measuring range pH:          | 0 ... 14  |
| pH resolution:               | 0.01  |
| pH accuracy:                 | ±0.02 + 2d  |
| Ambient conditions:          | 0 ... 50 °C, max. 85 % r.H.                         |
| Temperature range electrode: | 0 ... 60 °C   |
| Dimensions (W x D x H):      | 68 x 177 x 45 mm                                    |
| Weight:                      | 490 g   |
| Power supply:                | 6 x 1.5 V AA batteries/9 V mains adapter (optional) |
| IP code:                     | IP 51   |
| Warranty:                    | 3 years (1 year on the electrode)                   |

| Description  | PK | Cat. No.  | Price  |
|--|----|-----------|--------|
|  |    |           | EUR    |
| LLG-pH Meter 5, set with electrode, temperature sensor, SD card and case | 1  | 6.263 691 | 132.34 |



## pH/Conductivity Meters SevenCompact™ Duo S213



Compact, universal dual-channel meter for measuring pH and conductivity as well as resistivity, salinity and TDS.

- Suitable for digital and analogue sensors
- Quick and easy calibration with up to 5 calibration points
- Automatic temperature compensation
- Memory for 2000 values
- Large TFT colour display
- Robust construction
- Intuitive, simple operation

### Scope of supply:

Device incl. electrode holder, power adapter, protective cover, operating instructions, declaration of conformity and calibration certificate with InLab® Expert Pro-ISM pH sensor and InLab® 731 ISM conductivity sensor, 2 bags each of buffer pH 4.01, 7.00, 9.21, and 10.01, 2 bags each of conductivity standards 1413 µS/cm and 12.88 mS/cm

### Specifications

|                         | Measuring range // Resolution // Accuracy                                  |
|-------------------------|--|
| Temperature range:      | -5/-30.0 ... 130 °C // 0.1 °C // ±0.1 °C                                   |
| pH:                     | 0 ... 14 // 0.001/0.01/0.1 // ±0.002                                       |
| mV:                     | -2000 ... 2000 mV // 0.1/1 // ±0.1 mV (-1000 ... 1000); ±0.2 mV (>1000 mV) |
| Conductivity:           | 0.001 µS/cm ... 1000 mS/cm // 0.001 ... 1 // ±0.5 %                        |
| Resistivity:            | 0.00 ... 100.0 MΩ x cm // 0.00 ... 1.0 // ±0.5 %                           |
| Salinity:               | 0.00 ... 80.00 psu/ppt // 0.00 ... 1.0 // ±0.5 %                           |
| TDS:                    | 0.00 mg/l ... 1000 g/l // 0.01 ... 1 // ±0.5 %                             |
| Outputs:                | RS232, USB-A/-B  |
| Dimensions (W x D x H): | 204 x 174 x 74 mm  |
| Weight:                 | 890 g  |
| IP code:                | IP 54  |

| Type                                | PK | Cat. No.  | Price           |
|-------------------------------------|----|-----------|-----------------|
| SevenCompact™ Duo S213-Standard Kit | 1  | 6.284 461 | <b>1,698.68</b> |

## Laboratory Instrument inoLab® pH 7110



Basic pH/mV laboratory instrument for all tasks where reliable, accurate readings are required. With large LCD segment display and easy-to-read keyboard. The AutoRead function ensures correct and repeatable measurement results. A built-in timer reminds the user of periodical calibration.

**Scope of supply:** Instrument, mains power adapter, stand

### Specifications

|               |  |
|---------------|--|
| Ranges:       | All values ±1 digit  |
| pH:           | -2.0 ... 20.0 ±0.1 pH<br>-2.00 ... 20.00 ±0.01 pH<br>-2.000 ... 19.999 ±0.005 pH<br>±(1200.0 ±0.3) mV<br>±(2000 ±1) mV |
| mV:           |  |
| Calibration:  | 1-, 2- or 3 point WTW technical buffer or DIN/NIST   |
| Temperature:  | -5.0 ... 105.0°C ±0.1°C  |
| Power supply: | Universal power supply 100 to 240 V, 50/60 Hz, 4 x 1.5V AA or 4 x 1.2V NiMH rechargeable batteries                     |

| Type          | Description  | PK | Cat. No.  | Price         |
|---------------|--|----|-----------|---------------|
|               |  |    |           | <b>EUR</b>    |
| pH 7110       | Single unit incl. accessories                            | 1  | 9.920 090 | <b>536.35</b> |
| pH 7110 SET 2 | Meter incl. SenTix® 41, buffer 4.7/10.01 and 3 mol/l KC1 | 1  | 9.920 091 | <b>693.60</b> |
| pH 7110 SET 4 | Meter incl. SenTix® 81, buffer 4.7/10.01 and 3 mol/l KC1 | 1  | 9.920 092 | <b>713.15</b> |

## Cleaning and Storage Solutions for pH-electrodes



Designed to extend the useful life of your pH Electrode.

| Type                       | Capacity | PK | Cat. No.  | Price        |
|----------------------------|----------|----|-----------|--------------|
|                            | ml       |    |           | <b>EUR</b>   |
| Electrode Storage solution | 500      | 1  | 9.040 944 | <b>34.00</b> |

## LLG Dual Timer, 2-channel



**NEW**

**! 2 in 1 - Two Separate Timers**

The LLG Dual Timer offers two separate timers in one instrument. One fixed time can be stored per channel.

- Digital stopwatch (counting up)
- Short timer (counting down)
- With memory function
- Stopwatch with tenths of a second
- Stopwatch and countdown up to 99 h 59 min. 59 sec
- Optical (red LED) and acoustic alarm (2 volume levels), when timer expires
- Incl. magnet for mounting, hanging bracket and stand (fold-out)

Dimensions (W x H x D): 97 x 79 x 21 mm  
 Weight: 95 g  
 Power supply: 2 x AAA 1.5 V (not included)  
 Warranty: 12 months

### Low Prices, Great Value!

| Type           | PK | Cat. No.  | Price |
|----------------|----|-----------|-------|
|                |    |           | EUR   |
| LLG dual timer | 1  | 6.311 350 | 11.78 |

## 3-Channel-Short Period Timer



  
**DOSTMANN electronic GmbH**

- Indicates three separate times simultaneously
- Measuring range: 1 sec to 20 hours
- Stopwatch function
- Integrated quartz watch
- Supplied with magnet and clip
- Operating temperature: 0 to 50 °C
- Battery 1.5V AAA inclusive

Dimensions (W x H x D): 71 x 88 x 24 mm  
 Weight: 115g

| Type            | PK | Cat. No.  | Price |
|-----------------|----|-----------|-------|
|                 |    |           | EUR   |
| 3-channel timer | 1  | 6.233 690 | 15.97 |

## LLG Timer pro



**! 2 in 1 - Real-Time Clock and Timer**

The LLG Timer pro can be used simultaneously as clock and timer. The countdown timer also runs when time is visible.

- Digital stopwatch (counting up)
- Short timer (counting down)
- With memory function
- Stopwatch and countdown up to 23 h 59 min. 59 sec.
- Optical and acoustic alarm when timer expires
- Incl. magnet for mounting, hanging bracket and stand (fold-out)

Dimensions (W x H x D): 82 x 68 x 20.5 mm  
 Weight (with battery): 82 g  
 Power supply: 2 x AAA 1.5 V (not included)  
 Warranty: 12 months

| Type          | PK | Cat. No.  | Price |
|---------------|----|-----------|-------|
|               |    |           | EUR   |
| LLG timer pro | 1  | 6.311 351 | 11.10 |

## LLG-Lab Notebook





Numbered, acid-free, grid pages include spaces for title, project number, book number, date, and witness signature. Lined notebooks feature college ruled pages for easy report writing. Covers are waterproof and chemical-resistant. All notebooks contain periodic and conversion tables on the back. Admissible as court evidence when used as prescribed by law. Measures: 216 x 279 mm.

| Type  | Description | Colour | PK | Cat. No.  | Price |
|-------|-------------|--------|----|-----------|-------|
|       |             |        |    |           | EUR   |
| grid  | 100 pages   | black  | 1  | 9.050 750 | 14.16 |
| grid  | 200 pages   | blue   | 1  | 9.050 751 | 16.96 |
| lined | 200 pages   | red    | 1  | 9.050 752 | 20.45 |

## Filter Holders, glass, Type 16309



For vacuum filtration of particles from solutions. Comprises 250 ml. Dismountable, top manifold with filter holder and clamp. For 47 mm and 50 mm diameter filters. Supplied complete with 1 L capacity filter flask with ground joint to fit manifold and PP side-arm for safe connection of flexible vacuum tubing

**Big Savings!**

| Type           | Capacity | Filter size | PK | Cat. No.  | Price         |
|----------------|----------|-------------|----|-----------|---------------|
|                | ml       | mm          |    |           | EUR           |
| All-glass unit | 250      | Ø 47 - 50   | 1  | 9.604 076 | <b>414.15</b> |

## Glass Vacuum Filter Holders, glass, glass frit



Two compact, glass vacuum filter holders for simple particle testing and clarification of solutions. With glass frit membrane filter support and anodised aluminium clamp.

### Scope of delivery:

Size 25 mm, 30 ml: Glass vacuum filtration unit with filter support consisting of PTFE ring and glass frit.

Size 47/50 mm, 250 ml: Glass vacuum filtration unit with silicone cover and filter support consisting of PTFE ring and glass frit.

| Type            | For Filter size | Volume | PK | Cat. No.  | Price         |
|-----------------|-----------------|--------|----|-----------|---------------|
|                 |                 | ml     |    |           | EUR           |
| with glass frit | 25 mm dia.      | 30     | 1  | 9.604 204 | <b>123.75</b> |
| with glass frit | 47/50 mm dia.   | 250    | 1  | 9.604 307 | <b>212.03</b> |

## LLG-Syringe Filters *SPHEROS*



- **Topseller**
- **Tested by an Independent Analytical Laboratory**



- Robust Polypropylene housing
- Multifunctional syringe filters with female Luer-Lock inlet and male Luer-Slip outlet
- Suitable for all syringes with Luer connection

## Nylon

Hydrophilic membrane for filtration of aqueous and organic/aqueous liquids with medium polarity. Very good chemical resistance to esters, alkaline solutions and alcohols. With female Luer-Lock inlet and male Luer-Slip outlet.

| Filter diam. | Pore size | Housing  | PK  | Cat. No.  | Price        |
|--------------|-----------|----------|-----|-----------|--------------|
| mm           | µm        |          |     |           | EUR          |
| 13           | 0.22      | PP, pink | 100 | 6.272 810 | <b>20.11</b> |
| 13           | 0.45      | PP, pink | 100 | 6.272 811 | <b>20.11</b> |
| 25           | 0.22      | PP, pink | 50  | 6.272 812 | <b>14.77</b> |
| 25           | 0.45      | PP, pink | 50  | 6.272 813 | <b>14.77</b> |

## PTFE

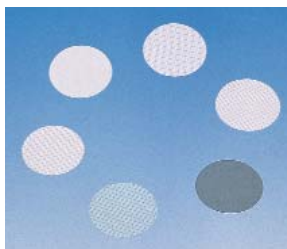
Hydrophobic membrane for filtration of non-polar liquids and gases. Very good chemical resistance to all kinds of solvents and alkaline solutions. With female Luer-Lock inlet and male Luer-Slip outlet.

| Filter diam. | Pore size | Housing   | PK  | Cat. No.  | Price        |
|--------------|-----------|-----------|-----|-----------|--------------|
| mm           | µm        |           |     |           | EUR          |
| 13           | 0.22      | PP, white | 100 | 6.272 816 | <b>20.11</b> |
| 13           | 0.45      | PP, white | 100 | 6.272 817 | <b>20.11</b> |
| 25           | 0.22      | PP, white | 50  | 6.272 818 | <b>14.77</b> |
| 25           | 0.45      | PP, white | 50  | 6.272 819 | <b>14.77</b> |

## Membrane Filters, Grade ME, made from mixed cellulose esters



Distributor  
GE Healthcare



- Excellent for gravimetric analysis
- Especially for aqueous solutions
- Ideally suitable for contamination tests
- Hydrophilic
- Not sterile
- Can be used up to 125°C
- Autoclavable up to 121°C

| Type | Diam. | Pore size | PK  | Cat. No.  | Price        |
|------|-------|-----------|-----|-----------|--------------|
|      | mm    | µm        |     |           | EUR          |
| ME24 | 47    | 0.20      | 100 | 9.058 969 | <b>97.16</b> |
| ME24 | 50    | 0.20      | 100 | 9.058 987 | <b>99.86</b> |
| ME25 | 47    | 0.45      | 100 | 9.058 939 | <b>97.16</b> |
| ME25 | 50    | 0.45      | 100 | 9.058 942 | <b>99.86</b> |

## Beakers, Borosilicate glass 3.3, low form



DIN 12 331. ISO 3819. With approximate graduations and spout.

| Nominal capacity<br>ml | Diam.<br>mm | Height<br>mm | PK | Cat. No.  | Price<br>EUR |
|------------------------|-------------|--------------|----|-----------|--------------|
| 50                     | 42          | 60           | 10 | 9.013 901 | <b>5.00</b>  |
| 100                    | 50          | 70           | 10 | 9.013 902 | <b>5.88</b>  |
| 150                    | 60          | 80           | 10 | 9.013 903 | <b>7.86</b>  |
| 250                    | 70          | 95           | 10 | 9.013 904 | <b>8.43</b>  |
| 400                    | 80          | 110          | 10 | 9.013 910 | <b>10.28</b> |
| 600                    | 90          | 125          | 10 | 9.013 911 | <b>10.98</b> |
| 1000                   | 105         | 145          | 10 | 9.013 913 | <b>18.08</b> |

## Silicone Lid DURAN®



- Versatile and Sustainable
- Perfect Fit

Stretchable silicone lid for safe coverage of vessels, e.g. to protect against dust or splashing of solutions. The wide overlapping sides of the silicone lid closes well with the vessel wall. Suitable for temperatures from -40 °C to 180 °C. The prolonged exposure to solvents may cause swelling of the material.

- Labelling field on the flap
- Chemically resistant
- Heat resistant
- Suitable for dishwashers
- Autoclavable



| Type          | Ø<br>mm    | Colour | PK | Cat. No.  | Price<br>EUR |
|---------------|------------|--------|----|-----------|--------------|
| Size S        | 43 ... 61  | pink   | 5  | 4.669 341 | <b>5.89</b>  |
| Size S        | 43 ... 61  | cyan   | 5  | 4.669 342 | <b>5.89</b>  |
| Size S        | 43 ... 61  | green  | 5  | 4.669 343 | <b>5.89</b>  |
| Size M        | 64 ... 76  | pink   | 5  | 4.669 344 | <b>7.65</b>  |
| Size M        | 64 ... 76  | cyan   | 5  | 4.669 345 | <b>7.65</b>  |
| Size M        | 64 ... 76  | green  | 5  | 4.669 346 | <b>7.65</b>  |
| Size L        | 84 ... 116 | pink   | 5  | 4.669 347 | <b>9.68</b>  |
| Size L        | 84 ... 116 | cyan   | 5  | 4.669 348 | <b>9.68</b>  |
| Size L        | 84 ... 116 | green  | 5  | 4.669 349 | <b>9.68</b>  |
| Set S / M / L |            | pink   | 1  | 4.669 338 | <b>4.15</b>  |
| Set S / M / L |            | cyan   | 1  | 4.669 339 | <b>4.15</b>  |
| Set S / M / L |            | green  | 1  | 4.669 340 | <b>4.15</b>  |

## Wide-Mouth Bottles, amber glass, PTFE-lined screw caps



The PTFE-lined screw caps make them ideal for taking samples.

### New Lower Price!

| Type       | Colour | Capacity<br>ml | Thread diam.<br>mm | PK | Cat. No.  | Price<br>EUR |
|------------|--------|----------------|--------------------|----|-----------|--------------|
| RB 250 GT  | amber  | 250            | 55                 | 1  | 9.072 325 | <b>2.54</b>  |
| RB 500 GT  | amber  | 500            | 55                 | 1  | 9.072 326 | <b>3.44</b>  |
| RB 1000 GT | amber  | 1000           | 68                 | 1  | 9.072 327 | <b>5.21</b>  |

## Wide-Mouth Bottles GLS 80® protect, DURAN®, with screw closure



Laboratory bottle with batch identification (Retrace Code), certificate available via the internet, with GLS80® wide-mouth (o.d. 80 mm). Glass Type I/neutral glass as per USP, EP and JP. With a resistant and transparent plastic coating, based on a cross-linked copolymer. Complete with blue quick release closure (PP, integral lip seal) and pouring ring (PP) for drip-free pouring and clean, safe working.

- Protection of the glass surface against mechanical damage
- Keeps broken glass in place after breakage and avoids or reduces leakage
- Minimises loss of media in case of breakage
- Absorption of light up to a wavelength of 380 nm

Temperature resistance:

- Autoclavable (< 135 °C)
- Can be used in microwaves
- High temperature applications for extended periods (>30 min) and direct heating with a flame not recommended

| Capacity<br>ml | Diam.<br>mm | Height without closure<br>mm | PK | Cat. No.  | Price<br>EUR  |
|----------------|-------------|------------------------------|----|-----------|---------------|
| 250            | 95          | 106                          | 1  | 9.071 897 | <b>15.70</b>  |
| 500            | 101         | 148                          | 1  | 9.284 522 | <b>18.14</b>  |
| 1000           | 101         | 218                          | 1  | 9.284 523 | <b>23.91</b>  |
| 2000           | 136         | 248                          | 1  | 9.284 524 | <b>39.96</b>  |
| 3500           | 160         | 271                          | 1  | 9.071 969 | <b>165.19</b> |
| 5000           | 182         | 310                          | 1  | 9.284 525 | <b>198.24</b> |



## Single Channel Microliter Pipettes Acura® manual 825/835, variable



- **Fast & Reliable Volume Adjustment**
- **Well Visible Display**

Introducing a smooth, modern design with easy volume reading. It also features a number of innovations that allow safe, easy and high-performance pipetting.

- Effortless activation
- Smart and reliable volume adjustment
- Precision digital display, visible at all times
- Justip™ adjustable tip ejector fitting most tips
- *Swift-set* user calibration system
- Shock, UV-light and autoclaving resistance
- Three-year warranty



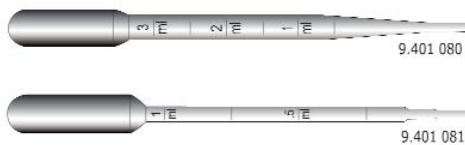
**Great Reductions!**

| Type | Capacity<br>µl | Increments<br>µl | Accuracy<br>max. vol.<br>(± R%) | Precision<br>max. vol.<br>(≤ CV%) | PK | Cat. No.  | Price<br>EUR |
|------|----------------|------------------|---------------------------------|-----------------------------------|----|-----------|--------------|
| 825  | 0,1 - 2        | 0.002            | 2.0                             | 1.5                               | 1  | 9.411 590 | 142.82       |
| 825  | 0,5 - 10       | 0.01             | 1.0                             | 0.5                               | 1  | 9.411 591 | 142.82       |
| 825  | 1 - 10         | 0.01             | 1.0                             | 0.7                               | 1  | 9.411 592 | 134.18       |
| 825  | 2 - 20         | 0.02             | 1.0                             | 0.5                               | 1  | 9.411 593 | 134.18       |
| 825  | 5 - 50         | 0.1              | 1.0                             | 0.4                               | 1  | 9.411 594 | 134.18       |
| 825  | 10 - 100       | 0.1              | 0.8                             | 0.2                               | 1  | 9.411 595 | 134.18       |
| 825  | 20 - 200       | 0.2              | 0.6                             | 0.2                               | 1  | 9.411 596 | 134.18       |
| 825  | 100 - 1000     | 1                | 0.5                             | 0.2                               | 1  | 9.411 597 | 134.18       |
| 835  | 200 - 2000     | 0.002            | 0.5                             | 0.2                               | 1  | 6.230 186 | 142.82       |
| 835  | 500 - 5000     | 0.01             | 0.6                             | 0.3                               | 1  | 9.411 598 | 146.80       |
| 835  | 1000 - 10000   | 0.01             | 0.5                             | 0.2                               | 1  | 9.411 599 | 146.80       |

## LLG-Pasteur Pipettes, PE



Manufactured from transparent PE.  
Sterile or non-sterile. Graduated.



| Type                    | Capacity<br>ml | Length<br>mm | PK   | Cat. No.  | Price<br>EUR |
|-------------------------|----------------|--------------|------|-----------|--------------|
| non-sterile             | 1              | 150          | 500  | 9.401 081 | 8.21         |
| non-sterile             | 3              | 150          | 500  | 9.401 080 | 14.40        |
| sterile, single wrapped | 1              | 150          | 1000 | 9.401 085 | 54.80        |
| sterile, single wrapped | 3              | 150          | 1000 | 9.401 084 | 54.80        |

## LLG-Labware Pipette Tips, economy 2.0, PP



### Colour-Coded Rack Inserts

The new generation of LLG Labware Pipette tips economy. Available in bulk quantities in bags or in easy-to-open boxes with colour-coded racks. Racked-tip boxes are delivered in a dispenser, which can be opened from two sides facilitating the use of the product on two work spaces. Compatible with all common pipette brands.

- Improved optical clarity and pipette fit
- Colour-coded rack inserts for easy identification
- Graduated
- Autoclavable
- DNase and RNase free



| Capacity<br>µl | Colour      | Sterile | Package<br>contents  | PK   | Cat. No.  | Price<br>EUR |
|----------------|-------------|---------|----------------------|------|-----------|--------------|
| 0.1 ... 10     | transparent | -       | 1000 tips in bag     | 1000 | 4.668 775 | 7.48         |
| 0.1 ... 10     | transparent | -       | 10 x 96 tips in rack | 960  | 4.668 776 | 22.86        |
| 1 ... 200      | yellow      | -       | 1000 tips in bag     | 1000 | 4.668 777 | 4.27         |
| 1 ... 200      | yellow      | -       | 10 x 96 tips in rack | 960  | 4.668 779 | 22.11        |
| 100 ... 1000   | blue        | -       | 1000 tips in bag     | 1000 | 4.668 781 | 6.35         |
| 100 ... 1000   | blue        | -       | 8 x 96 tips in rack  | 768  | 4.668 783 | 20.29        |

## Safety Laboratory Gas Burners Fuego SCS series



Fuego SCS basic

Fuego SCS

The low profile body facilitates ergonomic operation and the streamlined design reduces air flow disturbances in a Cleanroom workbench. Made of stainless steel, with fireproof controls.

- SCS Safety Control System with gas safety cut off: ignition and flame control, temperature monitor, automatic unit switch off, residual heat display, burner head assembly monitor
- BHC Burner Head Control
- Removable burner head
- Tilt mechanism right/left
- Turbo flame
- Holding device for 3 inoculation loop holders
- Nozzles for natural gas, propane/butane gas
- Approved by DIN-DVGW, approval no. NG2211AS0167
- Warranty: 2 years

**Fuego SCS basic:** With stainless steel foot pedal. The foot pedal regulates the burning time either by continuous foot pressure or by start-stop function. Instrument with ON/OFF button function.

**Fuego SCS:** with Double-Click IR-sensor, button function and foot pedal operation. (foot pedal optional). Double-Click IR-sensor: This adjustable safety function ensures that the burner can only be ignited by activating the IR-Sensor twice. Adjustable IR-sensor reaction distance: 5 to 50 mm.

**Illuminated graphic display:** The self-explanatory and language-less symbol display facilitates a rapid selection of all functions. 6 standard-programs with count down display: 1sec to 2hrs selectable.

**The first safety laboratory gas burner with comfort package:** Cooling time reminder for inoculation loops, temperature regulation for heating media, gas consumption display for gas cartridges.

Additional accessories are available on request.

### Specifications

|                         |  |
|-------------------------|--|
| Dimensions (W x D x H): | 103 x 130 x 49 mm                                |
| Power supply:           | 100-240 V 50/60 Hz, max. 0.3 A;<br>9 V DC, 1.3 A |
| Weight:                 | 700 g  |

| Type            | PK | Cat. No.  | Price         |
|-----------------|----|-----------|---------------|
| Fuego SCS basic | 1  | 6.232 207 | <b>319.20</b> |
| Fuego SCS       | 1  | 6.231 770 | <b>388.80</b> |

## Bunsen Burners and Gas Cartridges

**CAMPINGAZ**

### Labogaz® 206

For operation with gas cartridge  
C 206 GLS. DVGW-authorized.

Weight: 380 g without cartridge  
Height: 200 mm with cartridge  
Consumption: 55 g/h



**More Savings!**

| Type         | PK | Cat. No.  | Price            |
|--------------|----|-----------|------------------|
| Labogaz® 206 | 1  | 9.018 510 | <b>EUR 45.22</b> |

### Labogaz® 470

For operation with gas cartridge  
CV 470 Plus. DVGW-authorized.

Weight: 380 g without cartridge  
Height: 190 mm with cartridge  
CV 300 Plus  
240 mm with cartridge  
CV 470 Plus  
Consumption: 55 g/h



| Type         | PK | Cat. No.  | Price            |
|--------------|----|-----------|------------------|
| Labogaz® 470 | 1  | 9.018 511 | <b>EUR 45.22</b> |

## Gas Cartridges



C 206 GLS



CV 470 Plus

### C 206 GLS Pierceable Cartridge

Piercing cartridge with integrated gas lock system according to EN 417: 2012. For bunsen burner without safety valve. For bunsen burners Labogaz® 206 and Soudogaz blow torches.

### CV470 Plus

With safety valve. For bunsen burner Labogaz® 470.

Safety valve allows removal of partially used valve gas cartridges.

| Type        | Description                       | Height | Capacity | PK | Cat. No.  | Price         |
|-------------|-----------------------------------|--------|----------|----|-----------|---------------|
|             |                                   | mm     | g        |    |           | <b>EUR</b>    |
| C 206 GLS   | 80/20 Butane/Propane              | 90     | 190      | 5  | 6.290 860 | <b>14.21</b>  |
| C 206 GLS   | 80/20 Butane/Propane (large pack) | 90     | 190      | 36 | 6.261 010 | <b>95.95</b>  |
| CV 470 Plus | 80/20 Butane/Propane              | 140    | 450      | 1  | 9.018 512 | <b>10.29</b>  |
| CV 470 Plus | 80/20 Butane/Propane (large pack) | 140    | 450      | 12 | 6.261 011 | <b>115.80</b> |

## Colony Counter SC6+, manual

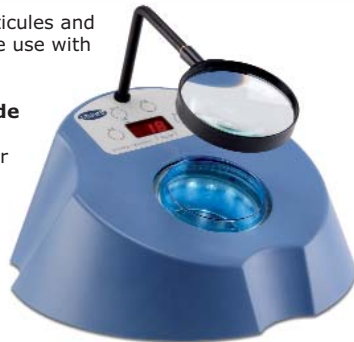


- Pressure sensitive counting
- Pressure can be adjusted
- Audible confirmation
- Choice of light or dark background
- Bright white energy saving LED lighting
- Average count facility
- With BioCote® antimicrobial protection
- Connectivity to printer or computer

Supplied with two Wolffhugel graticules and dish centering adapters to facilitate use with 50 mm to 90 mm dishes.

**Please note this does not include magnifier.**

Magnifier 1.7x Cat.No. 9.645 281 or magnifier 3x Cat.No. 6.223 318



### Specification

|                         |                           |
|-------------------------|---------------------------|
| Digital display:        | 3 digit LED               |
| Lighting:               | White LED                 |
| Magnifier glass:        | 1.7x and 3x (option)      |
| Counter:                | 0 to 999                  |
| Petri dishes:           | diam. 50 to 90 mm         |
| Dimensions (W x D x H): | 310 x 300 x 140 mm        |
| Weight:                 | 1.5 kg                    |
| Power supply:           | 120-230 V, 50/60 Hz, 70 W |
| Warranty:               | 3 years                   |

### Further Reductions!

| Type | PK | Cat. No.  | Price  |
|------|----|-----------|--------|
|      |    |           | EUR    |
| SC6+ | 1  | 9.645 280 | 578.15 |

## Inoculation Loops, Loop Holder



*schuett* **biotec**.de



**Inoculation loops** made from stainless steel, special stainless steel wire or platinum-iridium wire (90/10). Can be heated to red heat. Length: 60 mm. Wire diameter: 0.5 mm.

**Inoculation loop holder** according to Kolle for 0.3 to 0.7 mm wire diameter.

| Type                    | Description                   | Loop diam. mm | PK | Cat. No.  | Price |
|-------------------------|-------------------------------|---------------|----|-----------|-------|
|                         |                               |               |    |           | EUR   |
| P-1 1                   | Platinum-iridium              | 1             | 1  | 9.520 180 | 33.00 |
| P-1 2                   | Platinum-iridium              | 2             | 1  | 9.520 181 | 33.00 |
| P-1 3                   | Platinum-iridium              | 3             | 1  | 9.520 182 | 33.00 |
| E 3                     | Stainless steel, special wire | 3             | 10 | 9.520 172 | 32.84 |
| E 5                     | Stainless steel, special wire | 5             | 10 | 9.520 174 | 32.84 |
| Inoculation loop holder | 160 mm long                   |               | 1  | 9.520 178 | 10.27 |

## Loop Sterilizer SteriMax smart



IR-HotSpot Technology: High-Speed Annealing and Sterilising the Smart Way.

- Instantly ready to work without any unnecessary warm-up
- Auto-Start through touchless IR-Sensor technology
- Adjustable sterilisation and cool-down timers for two users
- Touch operation
- Annealing tube made of special quartz glass
- Simple cleaning of the device and the annealing tube

**Supplied with:** SteriMax smart incl. quartz glass annealing tube, inoculation loop holder with inoculation loop, diam. 3mm, holding device for 3 inoculation loop holders.

### Specifications

|                         |                       |
|-------------------------|-----------------------|
| Dimensions (W x D x H): | 110 x 170 x 180 mm    |
| Power supply:           | 220 - 240 V, 50/60 Hz |
| IP code:                | IP 20                 |

| Type                           | PK | Cat. No.  | Price  |
|--------------------------------|----|-----------|--------|
|                                |    |           | EUR    |
| Loop Sterilizer SteriMax smart | 1  | 6.261 507 | 642.60 |

## Culture Flasks, Borosilicate glass 3.3



Erlenmeyer. With 3 side baffles. Neck straight, without beaded rim.

| Capacity ml | Diam. mm | Neck diam. mm | Height mm | PK | Cat. No.  | Price |
|-------------|----------|---------------|-----------|----|-----------|-------|
|             |          |               |           |    |           | EUR   |
| 100         | 64       | 38            | 112       | 1  | 9.010 120 | 20.56 |
| 250         | 85       | 38            | 145       | 1  | 9.010 121 | 23.31 |
| 500         | 105      | 38            | 183       | 1  | 9.010 122 | 24.86 |
| 1000        | 131      | 38            | 232       | 1  | 9.010 123 | 31.94 |
| 2000        | 166      | 38            | 305       | 1  | 6.236 466 | 49.59 |

## LED Incident Lamps IL1-Lab



The modul-LED® concept allows a quick change of the light source.  
**The modules must be ordered separately.**

- Brightness control with memory function
- Flexible illumination thanks to semi-rigid arms
- Flicker-free lighting for photographs and video
- Solid aluminium housing

**Scope of delivery:** LED incident lamp IL1, multi adapter power supply (EU, UK, US), user manual

## Modular LED concept

### Specifications

|                                      |                            |
|--------------------------------------|----------------------------|
| Illuminant:                          | 3 W LED Module 21 mm       |
| Brightness control:                  | 0 - 100 %                  |
| Fixing rod Ø:                        | 12 mm                      |
| Dimensions control unit (W x D x H): | 40 x 80 x 37 mm            |
| Power supply:                        | 100 ... 240 V AC, 50/60 Hz |

### Fantastic Offers!

| Description               | Weight | Plug type  | PK | Cat. No.  | Price         |
|---------------------------|--------|------------|----|-----------|---------------|
|                           | kg     |            |    |           | <b>EUR</b>    |
| 1-arm, arm length 450 mm  | 0.5    | EU, UK, US | 1  | 4.668 073 | <b>165.60</b> |
| 1-arm, arm length 600 mm  | 0.5    | EU, UK, US | 1  | 4.668 074 | <b>182.40</b> |
| 2-arms, arm length 450 mm | 0.7    | EU, UK, US | 1  | 4.668 075 | <b>196.00</b> |
| 2-arms, arm length 600 mm | 0.7    | EU, UK, US | 1  | 4.668 076 | <b>228.00</b> |

## LED-Modules

21 mm. Available in different colours and beam angles.

| Description   | Colour        | Colour temperature | Shaft length | PK | Cat. No.  | Price        |
|---------------|---------------|--------------------|--------------|----|-----------|--------------|
|               |               | K                  | mm           |    |           | <b>EUR</b>   |
| Spot (10°)    | pure white    | 6000               |              | 1  | 4.668 085 | <b>37.60</b> |
| Spot (10°)    | natural white | 4000               |              | 1  | 4.668 086 | <b>37.60</b> |
| Spot (10°)    | red           |                    | 625          | 1  | 4.668 088 | <b>37.60</b> |
| Spot (10°)    | green         |                    | 528          | 1  | 4.668 089 | <b>37.60</b> |
| Spot (10°)    | blue          |                    | 470          | 1  | 4.668 090 | <b>37.60</b> |
| Flood (28°)   | pure white    | 6000               |              | 1  | 4.668 092 | <b>37.60</b> |
| Flood (28°)   | natural white | 4000               |              | 1  | 4.668 093 | <b>37.60</b> |
| Flood (28°)   | red           |                    | 625          | 1  | 4.668 095 | <b>37.60</b> |
| Flood (28°)   | green         |                    | 528          | 1  | 4.668 096 | <b>37.60</b> |
| Flood (28°)   | blue          |                    | 470          | 1  | 4.668 097 | <b>37.60</b> |
| Diffuse (40°) | pure white    | 6000               |              | 1  | 4.668 099 | <b>37.60</b> |
| Diffuse (40°) | natural white | 4000               |              | 1  | 4.668 100 | <b>37.60</b> |
| Diffuse (40°) | red           |                    | 625          | 1  | 4.668 102 | <b>37.60</b> |
| Diffuse (40°) | green         |                    | 528          | 1  | 4.668 103 | <b>37.60</b> |
| Diffuse (40°) | blue          |                    | 470          | 1  | 4.668 104 | <b>37.60</b> |

## Basic Biological Microscope for Education and Routine, BA210E



**Motic**  
 MORE THAN MICROSCOPY

- Infinity Optics [CCIS®]
- Observation Tube Siedentopf Type, Binocular -/Phototube 30°, F.N. 20
- Interpupillary Distance 55-75 mm
- Eyepieces High-Eyepoint N-WF 10x/20 mm with diopter adjustment on both eyepieces and rubber eyecups
- Reversed quadruple revolving nosepiece
- Objectives CCIS EC Plan 4x, 10x, 40x-S, 100x-S-Oil
- Build in low position coaxial, rackless mechanical stage (right hand control)
- Focusable Abbe condenser N.A. 1.25 with iris diaphragm and slot
- Illumination 6V/30W halogen with intensity control
- Universal power supply 100-240 V (CE)
- Interchangeable LED module available

**Scope of delivery:** Ø 45 mm blue filter, immersion oil (5 ml), power cord, Allen hexagonal key, thumb crew, vinyl dust cover

| Type   | Description | PK | Cat. No.  | Price         |
|--------|-------------|----|-----------|---------------|
|        |             |    |           | <b>EUR</b>    |
| BA210E | Binocular   | 1  | 6.265 838 | <b>732.00</b> |
| BA210E | Trinocular  | 1  | 6.266 907 | <b>866.40</b> |

## Microscope Cleaning Kit



**Motic**  
 MORE THAN MICROSCOPY

**Content:** 1 power blower, cotton swabs, cleaning liquid, cleaning cloth, lens cleaning paper, retractable brush

| Type                    | PK | Cat. No.  | Price        |
|-------------------------|----|-----------|--------------|
|                         |    |           | <b>EUR</b>   |
| Microscope Cleaning Kit | 1  | 6.280 087 | <b>13.60</b> |



## Gel Electrophoresis Tank MultiSUB Mini DUO



Designed for low to medium numbers of samples. The cost-effective small gel size does not compromise versatility as two tray options are available: 7 x 7 cm and 7 x 10 cm. Easy preparation up to 16 samples. Simply by altering the gel tray or comb, this compact unit is capable of resolving up to 64 different samples, prepping 1 ml of sample or separating sample bands over a distance of 9 cm.

### Supplied with:

MultiSUB Mini DUO: 7 x 7 cm and 7 x 10 cm UV Tray, 2 x 8 sample combs.

Each model has an additional loading guides and dams.

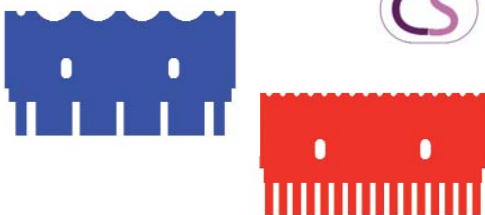
### Specifications

|                              |   |
|------------------------------|---|
| Gel dimensions (W x L):      | 7 x 7cm and 7 x 10 cm                                   |
| Unit dimensions (W x L x H): | 21 x 9 x 9 cm   |
| Max. sample capacity:        | 7 x 7 cm tray, 32 samples<br>7 x 10 cm tray, 64 samples |
| Buffer volume:               | 225 ml  |

## Great Deals!

| Description       | PK | Cat. No.  | Price  |
|-------------------|----|-----------|--------|
|                   |    |           | EUR    |
| MultiSUB Mini DUO | 1  | 7.920 043 | 267.00 |

## Accessories for Gel Electrophoresis Tank MultiSUB Mini



| Description           | Thickness | Sample volume | PK | Cat. No.  | Price |
|-----------------------|-----------|---------------|----|-----------|-------|
|                       | mm        | µl            |    |           | EUR   |
| Comb prep 4, marker 2 | 2.00      | 96            | 1  | 7.671 891 | 18.64 |
| Comb 8 sample         | 1.00      | 25            | 1  | 9.584 655 | 18.64 |
| Comb 10 sample        | 1.00      | 18            | 1  | 7.659 130 | 18.64 |
| Comb 16 sample        | 0.75      | 7             | 1  | 6.227 254 | 18.64 |
| Comb 16 sample        | 1.50      | 15            | 1  | 9.584 656 | 18.64 |

## Power Supply nanoPAC-300 Mini for Gel Electrophoresis Tanks



The nanoPAC-300 is capable of running all Clever Scientific horizontal multiSUB™ systems and vertical omniPAGE mini gel systems.

- Maximum constant current output of 400 mA
- Simple two step feature to set a programmable change in voltage, current and time during the run
- Constant voltage up to 300 V
- Adjustable in 1 V and 1 mA increments
- Two parallel outputs
- Continuous run or timed setting up to 999 minutes
- Automatic safety shutdown
- Alarm function
- Easy-to-clean polycarbonate housing
- 3-digit LED display

| Type              | Rating | Supply requirements | PK | Cat. No.  | Price  |
|-------------------|--------|---------------------|----|-----------|--------|
|                   | W      |                     |    |           | EUR    |
| nanoPAC-300P Mini | 60     | 300 V / 400 mA      | 1  | 6.272 711 | 300.77 |

## Agarose for Gel Electrophoresis



Agaroses are suitable for routine analysis of nucleic acids. They combine tensile strength with low electroosmotic effects to achieve high resolving power for a wide size range of nucleic acid fragments.

### Specifications

|                                       |   |
|---------------------------------------|---|
| CAS:                                  | 9012-36-6   |
| Appearance:                           | White to off-white powder                         |
| EEO:                                  | ≤ 0.13 %  |
| Gelling Point:                        | 36 °C ±1.5 °C (1.5 % gel)                         |
| Melting Point:                        | 88 °C ±1.5 °C (1.5 % gel)                         |
| Solubility:                           | Clear, colourless solution at 1 g in 100 ml water |
| Moisture:                             | < 10 %  |
| Gel Strength:                         | ≥ 1200 g/cm <sup>2</sup> (1% gel)                 |
| Sulphate:                             | < 0.20 %  |
| DNase, RNase, Protease, Endonuclease: | None Detected                                     |

| Type      | Capacity | PK | Cat. No.  | Price  |
|-----------|----------|----|-----------|--------|
|           | g        |    |           | EUR    |
| CSL-AG100 | 100      | 1  | 9.584 695 | 38.00  |
| CSL-AG500 | 500      | 1  | 9.584 696 | 168.70 |

## Cryovials with external Screw Thread, PP, sterile

**Thermo**  
SCIENTIFIC



With screw cap (HDPE), self-standing. Increase storage capacity in mechanical and gaseous phase liquid nitrogen freezers. With writing area and graduation. Gamma radiation sterilised. Single-handed operation possible. DNase/RNase free. Pyrogen-free and non-cytotoxic.  
Type 5000

### Incredible Savings!

| Capacity | Ext. diam. | Height | Sterile | PK | Cat. No.  | Price        |
|----------|------------|--------|---------|----|-----------|--------------|
| ml       | mm         | mm     |         |    |           | EUR          |
| 1.20     | 13.50      | 38     | +       | 25 | 9.400 941 | <b>7.28</b>  |
| 2        | 13.50      | 48     | +       | 25 | 9.400 942 | <b>7.28</b>  |
| 5        | 13.50      | 92     | +       | 50 | 6.290 797 | <b>17.35</b> |

Also available in a larger pack size (1000 pc.).

## Nalgene Freezing container Mr. Frosty, PC

**Thermo**  
SCIENTIFIC



With 120 mm diameter screw cap in blue HDPE, vial holder made of white HDPE. Suitable for 18 x 1.2/2.0 ml cryovials. Foam interior. Cooling rate 1 °C/min. Tubes can be easily removed. Each aperture has a moulded number for identification. Stackable.

| For tubes | Diam. | Height | No. of tubes | PK | Cat. No.  | Price        |
|-----------|-------|--------|--------------|----|-----------|--------------|
| ml        | mm    | mm     |              |    |           | EUR          |
| 1.0-2.0   | 117   | 86     | 18           | 1  | 9.400 945 | <b>57.31</b> |
| 3.6       | 117   | 151    | 12           | 1  | 9.400 990 | <b>57.31</b> |
| 4.5-5.0   | 117   | 151    | 12           | 1  | 9.400 991 | <b>57.31</b> |

## Aspirator with Trap Flask FTA-1

grant<sup>o</sup>

Designed for routine aspiration of the supernatant alcohol/buffer from the walls of microtubes during DNA/RNA purification and other macromolecule reprecipitation techniques.

- All in one system with integrated pump and aspiration tip
- Pump is for 1.5 ml reaction tubes and very small volumes with an average suction power of 600 ml/min
- Trap flasks volume 1 l
- Fitted with hydrophobic microbiological filter
- Vacuum pressure of 500 mbar
- The hydrophobic microbiological suction filter eliminates risk of contamination from the trap flask. Efficiency up to 99.9 %, holds particles bigger than 0.027 micron, which are smaller than agents of Hepatitis A, B and C.
- Polyethylene tube connects collecting tip to the trapping flask
- Built-in micro-compressor creates negative pressure in trapping flask for removal of liquid from microtubes
- 1 l trap flask for collection of alcohol/buffer from microtest tube walls during reprecipitation techniques
- Tube holder to accommodate two tubes for collecting tip washing and storing, enabling re-use of the tip.



| Type  | Description       | PK | Cat. No.  | Price         |
|-------|-------------------|----|-----------|---------------|
|       |                   |    |           | EUR           |
| FTA-1 | All in one system | 1  | 9.721 058 | <b>337.45</b> |

## LLG-Centrifuge Tubes economy, PP, sterile



- With flat PE caps
- With conical bottom (15 and 50 ml) or with self-standing bottom (50 ml)
- Easy-to-read black volume graduations
- With a large frosted writing area
- Engraved graduation at the conical bottom of each tube
- Max. rotate speed up to 12000 x g for conical bottom tubes and 6000 x g for self-standing tubes
- Freezable to -80 °C
- Leak-proof
- Free of heavy metals, pyrogens and endotoxins
- DNase/RNase-free



| Capacity | Description                  | Form     | Height | PK  | Cat. No.  | Price        |
|----------|------------------------------|----------|--------|-----|-----------|--------------|
| ml       |                              |          | mm     |     |           | EUR          |
| 15       | Sterile, in bag of 25 pieces | conical  | 119,6  | 500 | 4.668 482 | <b>41.30</b> |
| 50       | Sterile, in bag of 25 pieces | conical  | 113,9  | 500 | 4.668 483 | <b>51.12</b> |
| 50       | Sterile, in bag of 25 pieces | with rim | 116,5  | 500 | 4.668 486 | <b>56.78</b> |

## Tissue Vial CryoELITE®, sterile



The CryoELITE® Tissue Vials are specifically designed for tissue collection, transport and storage. Different from cells and biofluids, tissue specimens have particular requirements for cryogenic storage. Offering researchers a uniform vial able to maintain sample integrity while maximising storage capacity and organisation. The CryoELITE Tissue Vials feature a wide-mouth opening, 5 mL capacity and high integrity closure. The CryoELITE Tissue Vial offers ease of use, convenience and security to researchers who work with tissue samples.

- Lot certified RNase/DNase and Endotoxin Free providing assurance of product integrity
- Cap seal exceeds DOT and IATA regulations ensuring ultimate protection of samples during transportation and demanding freeze-thaw handling
- Wide mouth for insertion and removal of tissue with forceps
- 5 ml volume for use with tissue sections
- Directional indicators to allow orientation of tissue within the vial

### Amazing Offers!

| Description                     | PK  | Cat. No.  | Price  |
|---------------------------------|-----|-----------|--------|
|                                 |     |           | EUR    |
| Tissue Vial CryoELITE®, sterile | 250 | 4.658 776 | 241.04 |

## Blades for Microtoms, stainless steel



**MS200:** Universal blade with plasma coating for daily routine, suitable for all types of tissue. Especially suitable for ribbon sectioning, excellent sharpness, even with very thin cuts. Allrounder with unique hardened blade cutting edge, excellent durability.

**MS33:** Blade for applications where extremely thin, high-quality sections are required. Suitable also for skin biopsy. Short trimming time and increased durability.

**MS24:** For hard tissue, but also for soft tissue and biopsies. Excellent long life and sharpness, very suitable for ribbon sectioning.

**MS100:** For daily routine like ribbon and thin sectioning. Excellent sharpness and durability. All-purpose, even for difficult tissue. High-quality stainless steel, extra hard teflon coated.

**MS300:** Very sharp blade with plasma coating, especially recommended for cutting bone tissue. Also perfect for all other tissue types as well as for ribbon sectioning.

**HP (High Profile Plasma):** Excellent references for cryostat and ribbon sectioning. Special hardened blade with plasma coating, short trimming time, excellent durability.

| Type  | Description         | Width | Length | Thickness | Angle | PK | Cat. No.  | Price |
|-------|---------------------|-------|--------|-----------|-------|----|-----------|-------|
|       |                     | mm    | mm     | mm        |       |    |           | EUR   |
| MS200 | Low Profile         | 8     | 80     | 0.25      | 35    | 50 | 6.270 924 | 72.87 |
| MS33  | Low Profile         | 8     | 80     | 0.25      | 30    | 50 | 6.270 926 | 72.87 |
| MS24  | Low Profile         | 8     | 80     | 0.25      | 35    | 50 | 6.270 927 | 72.87 |
| MS100 | Low Profile         | 8     | 80     | 0.25      | 35    | 50 | 6.270 928 | 72.87 |
| MS300 | Low Profile         | 8     | 80     | 0.25      | 35    | 50 | 6.310 681 | 72.87 |
| HP    | High Profile Plasma | 14    | 80     | 0.32      | 35    | 50 | 4.670 750 | 72.87 |

## Drawer Boxes Styrokay



White modular drawer box with 6 drawers for histology cassettes, documents and small laboratory utensils.

- Including inscription labels
- 49 histology cassettes per drawer
- 294 histology cassettes per box

Internal dimensions (W x D x H): 230 x 318 x 45 mm  
External dimensions (W x D x H): 270 x 345 x 340 mm

| Type   | PK | Cat. No.  | Price  |
|--|----|-----------|--------|
|  |    |           | EUR    |
| Drawer cabinet with 6 drawers without insert | 1  | 4.662 136 | 94.50  |
| Drawer cabinet with 6 drawers with insert    | 1  | 4.662 137 | 120.60 |

## Histology Cassettes, POM

**Kartell**



Tissue embedding cassettes for paraffin inclusions. With clip-on lid that breaks when closing, which allows an easy removal.

| Colour | Dimensions (W x D x H) mm | PK  | Cat. No.  | Price |
|--------|---------------------------|-----|-----------|-------|
|        |                           |     |           | EUR   |
| white  | 28 x 40 x 6.8             | 500 | 6.207 173 | 33.26 |
| blue   | 28 x 40 x 6.8             | 500 | 6.280 220 | 33.26 |
| yellow | 28 x 40 x 6.8             | 500 | 6.284 765 | 33.26 |
| red    | 28 x 40 x 6.8             | 500 | 6.284 766 | 33.26 |
| green  | 28 x 40 x 6.8             | 500 | 6.284 767 | 33.26 |
| pink   | 28 x 40 x 6.8             | 500 | 6.226 853 | 33.26 |
| white  | 28 x 40 x 13.6            | 100 | 7.910 449 | 13.73 |
| green  | 28 x 40 x 13.6            | 100 | 6.284 772 | 13.73 |
| pink   | 28 x 40 x 13.6            | 100 | 6.284 773 | 13.73 |



## LLG-Mini Narrow-Neck vials, PP, Heavy Duty



- With screw cap
- Very stable design
- Transparent
- With graduation

### Even More Savings!

| Capacity | Diam. | Thread external diam. | Height | PK  | Cat. No.  | Price        |
|----------|-------|-----------------------|--------|-----|-----------|--------------|
| ml       | mm    | mm                    | mm     |     |           | EUR          |
| 4        | 16    | 13                    | 40     | 100 | 6.289 520 | <b>8.63</b>  |
| 8        | 25    | 19                    | 44     | 100 | 6.289 450 | <b>10.16</b> |
| 30       | 36    | 19                    | 61     | 100 | 6.289 451 | <b>16.66</b> |
| 60       | 40    | 19                    | 85     | 100 | 6.289 452 | <b>19.75</b> |
| 125      | 51    | 23                    | 99     | 50  | 6.289 453 | <b>14.29</b> |

## Set with Graduated Jugs, PP, coloured



**1 Set 4 Colours**



Transparent, in different colours. With stable handle and easily readable, printed graduations on both sides. The volume is thus easy to read for left- and right-handed users. To preserve markings, do not clean at temperatures exceeding 60 °C.

- Stackable
- Blue, yellow, red, green (1 pc each)
- Food-safe



| Nominal capacity | Grad. | Ext. diam. | Height | PK | Cat. No.  | Price        |
|------------------|-------|------------|--------|----|-----------|--------------|
| ml               | ml    | mm         | mm     |    |           | EUR          |
| 500              | 10    | 100        | 140    | 1  | 6.285 273 | <b>9.84</b>  |
| 1000             | 10    | 125        | 167    | 1  | 7.644 924 | <b>13.06</b> |

## Jars with Screw Cap, PP



Transparent. Excellent chemical resistance. Autoclavable, undo cap before autoclaving.

| Nominal capacity | Ø with Cover | Height | PK | Cat. No.  | Price        |
|------------------|--------------|--------|----|-----------|--------------|
| ml               | mm           | mm     |    |           | EUR          |
| 15               | 38           | 46     | 12 | 9.033 230 | <b>10.26</b> |
| 30               | 43           | 48     | 12 | 9.033 231 | <b>10.86</b> |
| 60               | 53           | 45     | 12 | 9.033 232 | <b>11.48</b> |
| 125              | 70           | 74     | 12 | 9.033 233 | <b>18.10</b> |
| 250              | 70           | 119    | 6  | 9.033 234 | <b>11.46</b> |
| 500              | 120          | 88     | 6  | 9.033 235 | <b>16.45</b> |
| 1000             | 120          | 151    | 6  | 9.033 236 | <b>24.53</b> |

## Wide-Mouth Bottle Economy, HDPE, with screw cap, PP



Economical, ruggedly constructed bottle. Guaranteed leakproof for safe sampling, shipping and storage. Translucent bottle allows viewing of liquid level. EPA-specified sample bottle material for a wide variety of inorganic compound and elemental analyses.

| Capacity | Cover type | PK | Cat. No.  | Price        |
|----------|------------|----|-----------|--------------|
| ml       | mm         |    |           | EUR          |
| 30       | 28         | 72 | 9.103 228 | <b>25.99</b> |
| 60       | 28         | 72 | 9.103 229 | <b>28.03</b> |
| 125      | 38         | 72 | 9.103 230 | <b>30.20</b> |
| 250      | 43         | 72 | 9.103 231 | <b>43.09</b> |
| 500      | 53         | 48 | 9.103 232 | <b>47.38</b> |
| 1000     | 63         | 24 | 9.103 233 | <b>36.59</b> |



## Cleanroom Wipes ASPURE, polyester



Extremely low particle number and evaporation residues. Laser cutting techniques minimise the formation of dust and lint on cutting edges. The use of polyester long fibres prevents the generation of lint.

- Knitted made of 100 % polyester
- Cleaned with ultrapure water
- Double packed

### Now With Better Prices!

| Dimensions | Cleanroom Class | PK  | Cat. No.  | Price        |
|------------|-----------------|-----|-----------|--------------|
| mm         |                 |     |           | <b>EUR</b>   |
| 229 x 229  | ISO 5           | 150 | 4.659 070 | <b>18.89</b> |

## Precision-Swabs



Ideal for use with cleaner degreasers, flux removers and other solvents for fast, precision cleaning. Cleanroom class ISO 4.

Variants:

- Head made of wrapped PU foam
- Sealed polyester head
- Head made of sealed PU foam

| Length | Head size | Head             | Material Head   | Material shaft | PK  | Cat. No.  | Price        |
|--------|-----------|------------------|-----------------|----------------|-----|-----------|--------------|
| mm     | mm        |                  |                 |                |     |           | <b>EUR</b>   |
| 150    | 4,7 x 5,4 | rounded          | Polyester/Nylon | PP             | 125 | 4.655 171 | <b>43.25</b> |
| 70     | 3,7 x 3,7 | wrapped, pointed | PU-foam         | Nylon          | 125 | 6.266 882 | <b>28.14</b> |
| 70     | 2,4 x 3,0 | rounded          | Polyester       | PP             | 125 | 6.266 884 | <b>22.06</b> |
| 70     | 1,6 x 3,0 | rounded          | Polyester       | PP             | 125 | 6.266 885 | <b>22.06</b> |
| 70     | 1,0 x 3,0 | rounded          | Polyester       | PP             | 125 | 6.266 886 | <b>21.55</b> |
| 70     | 3,3 x 3,5 | rounded          | PU-foam         | PP             | 125 | 6.266 887 | <b>19.02</b> |
| 80     | 2,7 x 3,3 | pointed          | PU-foam         | PP             | 125 | 6.266 888 | <b>20.76</b> |
| 68     | 2,5 x 3,0 | rounded          | PU-foam         | PP             | 125 | 6.266 889 | <b>20.47</b> |

## Cleanroom Gloves, KIMTECH PURE\*G3 nitrile, sterile

EN 374 EN 374



Exceptional Workplaces



Sterile validated and clean processed, with lot testing for low levels of particles. PPE Category III certified under CE directive 89/686/EEC for Personal Protective Equipment. Tested for permeation resistance to cytotoxic drugs. Ideal for use in sterile pharmaceutical manufacturing EU GMP ISO 5 CLASS A areas. Providing protection against chemical splash and micro-organism hazards acc. to EN374-1:2003, EN374-3:2003, ASTM 6978-05. AQL 1.5/EN374-2.

- ISO16604 virus resistant. Sterile Validated to SAL 10<sup>-6</sup>
- Available as one pair of hand specific gloves; 30 cm long, with beaded cuff for added strength and fully textured palm and fingertips, combining enhanced grip with easy double donning.
- Powder-free
- Comfortable fit, with silicone free formulation
- Individually packed in sterile wallets 10 x 20 pairs

| Size | PK  | Cat. No.  | Price         |
|------|-----|-----------|---------------|
|      |     |           | <b>EUR</b>    |
| 6    | 200 | 6.257 260 | <b>324.61</b> |
| 6.5  | 200 | 6.240 584 | <b>324.61</b> |
| 7    | 200 | 6.265 204 | <b>324.61</b> |
| 7.5  | 200 | 6.240 077 | <b>324.61</b> |
| 8    | 200 | 6.230 011 | <b>324.61</b> |
| 8,5  | 200 | 6.252 634 | <b>324.61</b> |
| 9    | 200 | 6.235 083 | <b>324.61</b> |
| 10   | 200 | 6.265 205 | <b>324.61</b> |

## Finger Cots "High Grip", natural rubber



The finger cots made of antistatic natural rubber, with a thickness of min. 0.09 mm, are ideal for applications where the highest precision and fingertip sensation is required. Due to microtexturing, they are also especially handy.

- Surface resistance: 10<sup>10</sup> - 10<sup>12</sup>Ω
- Bag with 1440 pieces

| Size | Length | Description                 | PK   | Cat. No.  | Price        |
|------|--------|-----------------------------|------|-----------|--------------|
|      | mm     |                             |      |           | <b>EUR</b>   |
| S    | 65     | natural rubber, rolled edge | 1440 | 4.659 035 | <b>14.90</b> |
| M    | 65     | natural rubber, rolled edge | 1440 | 4.659 036 | <b>14.90</b> |
| L    | 65     | natural rubber, rolled edge | 1440 | 4.659 037 | <b>14.90</b> |
| S    | 65     | natural rubber, cut edge    | 1440 | 4.659 038 | <b>12.94</b> |
| M    | 65     | natural rubber, cut edge    | 1440 | 4.659 039 | <b>12.94</b> |

# Sample Preparation

## Homogeniser, stand, POLYTRON® PT 2500 E (Ecoline)



The PT 2500 is able to perform homogenisations with volumes from 0.05 to 2500 ml. The electronic control system continuously monitors the speed and automatically adjusts it, keeping it constant with changing viscosity. The speed is easily seen on the large digital display. Dispersing heads with a variety of styles and diameters are available to provide optimum particle size reduction when using this drive. There are many different styles of aggregates available from 3 mm up to 25 mm.

- Aggregate tip speeds up to 32 m/s
- Soft start prevents splashing of homogenate from sample vessel
- Thermal fuse for overload protection
- Aggregate replacement using one-handed quick-release coupling
- Insulated motor housing keeps motor noise to a safe, approved level
- Various models of EasyClean dispersing aggregates

**Stand and dispersing heads must be ordered separately.**



### Specifications

|                               |  |
|-------------------------------|--|
| Application volume:           | 0.05 ... 2500 ml   |
| Motor input power:            | 500 W  |
| Dispersing heads:             | diam. 3, 5, 7 and 12 mm and diam. 20 mm and 25 mm                        |
| Speed range:                  | Stepless 500 to 30.000 rpm   |
| Dimensions Drive (L x W x H): | 157 x 76 x 236 mm  |
| Weight Drive:                 | 1.8 kg   |
| Power supply:                 | 230 V ±10 %, 50 Hz   |
| Protection class acc. to DIN: | IP 20  |
| Tested to:                    | IEC/EN61326-1/<br>IEC/EN 61000-6-2/<br>EN 61000-6-4<br>IEC/EN 61010-2-51 |

| Type                | Plug type | PK | Cat. No.  | Price           |
|---------------------|-----------|----|-----------|-----------------|
|                     |           |    |           | EUR             |
| POLYTRON® PT 2500 E | EU        | 1  | 7.981 185 | <b>1,296.00</b> |
| POLYTRON® PT 2500 E | CH        | 1  | 6.263 341 | <b>1,296.00</b> |

## Dispersing Head

Type addition EC (STANDARD DISPERSING HEAD): The universal geometry uses two rows of teeth, is suitable for a large spectrum of laboratory applications, and it is reliable and efficient.

### Unbeatable Offers!

| Type               | Length | Diam. | Working volume | PK | Cat. No.  | Price           |
|--------------------|--------|-------|----------------|----|-----------|-----------------|
|                    |        |       |                |    |           | EUR             |
| PT-DA 25/2 EC-E192 | 192    | 25    | 100 - 2500     | 1  | 9.570 227 | <b>1,341.90</b> |

## Stand

Plate stand with two rod design. Height adjustable.

| Type       | Weight | PK | Cat. No.  | Price         |
|------------|--------|----|-----------|---------------|
|            |        |    |           | EUR           |
| ST-P20/600 | 370    | 1  | 4.013 060 | <b>286.20</b> |

## Knife Mill HM100



### Especially Suitable for Samples with a High Water, Oil or Fat Content

The HM100 knife mill is used for grinding soft, medium-hard, brittle and fibrous materials. Especially suitable for samples with a high water, oil or fat content. The 2 knives are driven by a 900 W motor to achieve a reliable grinding result. Suitable for applications in agriculture, biology, medicine and food technology.

- For soft, elastic, fibrous, aqueous, oily or fatty samples
- Electronically controlled speed
- Samples are grinded in only 10 to 30 seconds
- Up to 700 ml sample volume
- Autoclavable grinding vessels
- Grinding vessels available in various materials
- Cutting knives with 2 stainless steel and titanium blades available
- Easy operation
- Quick start
- Coarse and fine grinding in one step
- Interval, reverse and manual mode available

**Scope of supply:** Knife mill, 1 l grinding vessel made of plastic (autoclavable), lid, stainless steel knife

### Specifications

|                         |                                  |
|-------------------------|----------------------------------|
| Feed size:              | 40 mm                            |
| Feed quantity:          | 50 ... 700 ml                    |
| Ult. fineness:          | <300 µm                          |
| Timer:                  | 1 s ... 10 min                   |
| Motor speed:            | 2000 ... 10000 min <sup>-1</sup> |
| Power consumption:      | 900 W                            |
| Dimensions (W x D x H): | 260 x 343 x 454 mm               |
| Weight:                 | 16 kg                            |
| Power supply:           | 220 V, 50 Hz                     |

| Type  | PK | Cat. No.  | Price           |
|-------|----|-----------|-----------------|
|       |    |           | EUR             |
| HM100 | 1  | 4.669 516 | <b>2,834.10</b> |

## Accessories for Knife Mill HM100

Grinding vessels, lids, blades and scrapers for use with knife mill HM100.



| Description  | PK | Cat. No.  | Price         |
|--|----|-----------|---------------|
|  |    |           | EUR           |
| Grinding vessel 1 l, stainless steel                 | 1  | 4.669 518 | <b>305.46</b> |
| Gravity lid for stainless steel grinding vessels, PP | 1  | 4.669 527 | <b>119.70</b> |

## Magnetic Stirrer LLG-uniSTIRRER 2



### Compact & Affordable

**Compact and cost-efficient** magnetic stirrer without heating for volumes up to 1000 ml. Adjustable speed from 0 to 2000 rpm. Plate diameter 120 mm. Body made of ABS.

**Scope of supply:** magnetic stirrer, mains adapter, 2 stirring rods 27 x 8 mm and 34 x 8 mm

#### Specifications

|                                       |                              |
|---------------------------------------|------------------------------|
| Stirring quantity (H <sub>2</sub> O): | 1000 ml                      |
| Speed range:                          | 0 ... 2000 min <sup>-1</sup> |
| Permissible ambient temperature:      | 0 ... 50 °C                  |
| Magnetic bar:                         | 25 x 8 mm                    |
| Display:                              | Analog                       |
| Heating plate:                        | 120 x 120 mm                 |
| Dimensions (W x D x H):               | 150 x 135 x 53 mm            |
| Weight:                               | 0.5 kg                       |
| Power supply:                         | 100 ... 230 V,<br>50/60 Hz   |
| IP code:                              | IP 21                        |

| Type                          | PK | Cat. No.  | Price        |
|-------------------------------|----|-----------|--------------|
|                               |    |           | <b>EUR</b>   |
| LLG-uniSTIRRER 2 with EU-plug | 1  | 6.263 430 | <b>59.53</b> |
| LLG-uniSTIRRER 2 with UK-plug | 1  | 6.263 431 | <b>59.53</b> |

## Magnetic Stirrer HSC

Flat, heating magnetic stirrer with ceramic heating plate.

- Electronic speed control
- Suitable for stirring quantities up to 15 l
- Housing and set-up plate resistant to acids, bases, solvents and scratches
- Ergonomic control panel separated from the heating plate



#### Specifications

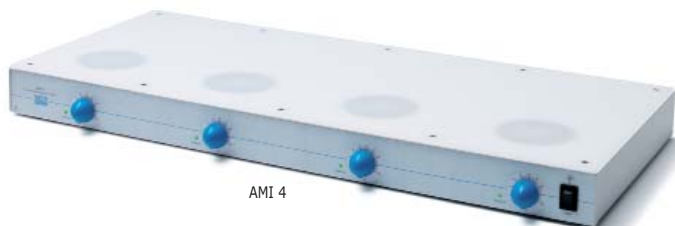
|                               |                        |
|-------------------------------|------------------------|
| Volume (H <sub>2</sub> O):    | 15 l                   |
| Motor rating:                 | 800 W                  |
| Speed (max.):                 | 1300 min <sup>-1</sup> |
| Number of stirring positions: | 1                      |
| Display:                      | Analog                 |
| Temperature range:            | RT ... 400 °C          |
| Stirring position material:   | Ceramic                |
| Stirring position (W x D):    | 180 x 180 mm           |
| Dimensions (W x D x H):       | 203 x 344 x 94 mm      |
| Weight:                       | 3.3 kg                 |
| IP code:                      | IP 42                  |
| Power supply:                 | 230 V, 50/60 Hz        |
| Warranty:                     | 3 years                |

| Type | Plug type | PK | Cat. No.  | Price         |
|------|-----------|----|-----------|---------------|
|      |           |    |           | <b>EUR</b>    |
| HSC  | EU        | 1  | 4.666 689 | <b>240.00</b> |

## Magnetic Stirrer AMI and AMI 4, illuminated



AMI



AMI 4

Magnetic stirrer with illuminated stirring positions for stirring volumes up to 5 l per position. With epoxy-coated metal housing for protection against liquid spills. AMI 4 with four separately controlled positions.

#### Specifications

|  |   |
|--|---|
| Stirring volume each (H <sub>2</sub> O): | 5 l // 5 l                                |
| Motor rating:                            | 1.2 W // 4.8 W                            |
| Speed (max.):                            | 1100 min <sup>-1</sup>                    |
| Number of stirring positions:            | 1 // 4                                    |
| Distance between stirring positions:     | - // 150 mm                               |
| Display:                                 | Analog                                    |
| Dimensions (W x D x H):                  | 150 x 270 x 55 mm //<br>600 x 270 x 55 mm |
| Weight:                                  | 1.2 kg // 4.0 kg                          |
| Power supply:                            | 100 ... 240 V, 50/60 Hz                   |
| Warranty:                                | 3 years                                   |

#### AMI // AMI 4

### Unmissable Opportunity!

| Type  | Plug type | PK | Cat. No.  | Price         |
|-------|-----------|----|-----------|---------------|
|       |           |    |           | <b>EUR</b>    |
| AMI   | EU        | 1  | 4.666 684 | <b>243.10</b> |
| AMI 4 | EU        | 1  | 4.666 685 | <b>727.60</b> |

## LLG-Magnetic Stirring Bars, cylindrical, PTFE, eco pack



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

| Diam. | Length | PK | Cat. No.  | Price        |
|-------|--------|----|-----------|--------------|
|       |        |    |           | <b>EUR</b>   |
| 6     | 10     | 10 | 9.198 910 | <b>4.79</b>  |
| 3     | 12     | 10 | 9.198 766 | <b>4.65</b>  |
| 6     | 15     | 10 | 9.198 919 | <b>4.11</b>  |
| 6     | 20     | 10 | 9.198 920 | <b>6.63</b>  |
| 6     | 25     | 10 | 9.198 925 | <b>7.91</b>  |
| 6     | 30     | 10 | 9.198 930 | <b>9.73</b>  |
| 8     | 40     | 10 | 9.198 940 | <b>13.69</b> |

## Disc Rotator LLG-uniLOOPMIX 2

 **Flexible Feeding of Different Vessel Types**



Analogue Disc rotator for gentle and effective sample mixing. With easily interchangeable clamps that allow a **quick cleaning** of the rotator.  
For a maximum of 48 x 1.5 ml; 16 x 5 or 15 ml, 8 x 50 ml tubes.  
It also can be equipped individually for parallel use of different sizes.

- Variable speed 0 - 80 rpm
- Compact design
- Housing easy to clean

**Scope of delivery:** Disc rotator incl. 12 clamps each for 2 ml, 15 ml and 50 ml tubes

### Specifications

|  |                            |
|--|----------------------------|
| Type of movement:                              | rotating                   |
| Speed:   | 0 ... 80 min <sup>-1</sup> |
| Rotation angle:                                | 360°                       |
| Permissible shaking weight (incl. attachment): | 2 kg                       |
| Permissible relative moisture:                 | 80 %                       |
| Permissible ambient temperature:               | 5 ... 40 °C                |
| Motor rating input/output:                     | 20 W                       |
| Dimensions (W x D x H):                        | 220 x 300 x 310 mm         |
| Power supply:                                  | 100 ... 240 V, 50/60 Hz    |
| IP code:                                       | IP 21                      |

## Orbital Shaker Hula Dancer Basic/Digital



Hula Dancer basic



Hula Dancer digital

The Hula Dancer is a powerful orbital shaker with robust housing for high stability. It is suitable for a maximum load of 100 g. Hula Dancer basic with fixed speed of 2800 rpm.

### Specifications

|                                      |                             |
|--------------------------------------|-----------------------------|
| Mixing:                              | orbital                     |
| Orbit:                               | 4.5 mm                      |
| Capacity, volume:                    | 100 g                       |
| Motor rating input/output:           | 9.5/5 W                     |
| Permissible ambient temperature:     | 5 ... 40 °C                 |
| Permissible relative moisture:       | 80 %                        |
| Dimensions (Diam. x H):              | 123 x 123 x 42 mm           |
| Weight:                              | 700 g                       |
| Power supply:                        | 100 ... 240 V, 50 ... 60 Hz |
| Enclosure according to DIN EN 60529: | IP 40                       |

### Low Price – Big Savings!

| Type             | Plug type | PK | Cat. No.  | Price         |
|------------------|-----------|----|-----------|---------------|
|                  |           |    |           | EUR           |
| LLG-uniLOOPMIX 2 | EU        | 1  | 6.263 665 | <b>321.32</b> |
| LLG-uniLOOPMIX 2 | UK        | 1  | 6.263 666 | <b>321.32</b> |

| Type                | Speed range   | PK | Cat. No.  | Price         |
|---------------------|---------------|----|-----------|---------------|
|                     | rpm           |    |           | EUR           |
| Hula Dancer basic   | 2800          | 1  | 6.274 875 | <b>254.15</b> |
| Hula Dancer digital | 1200 ... 2800 | 1  | 4.665 611 | <b>296.65</b> |



## Vortex-Genie® 2



Robust and reliable, for speedy mixing and shaking of samples.

Variable speed for precise mixing from gentle to vigorous.  
Hands-Free or Touch On control.

### Specifications

|                                 |                       |
|---------------------------------|-----------------------|
| Shaking movement:               | orbital               |
| Speed display/Timer:            | Scale                 |
| Speed range:                    | 600-2700 rpm          |
| Dimensions (L x W x H):         | 165 x 122 x 165 mm    |
| Permissible ambient conditions: | 0 to 38 °C at 95 % rh |
| Weight:                         | 4 kg                  |
| Power supply:                   | 230 V, 50/60 Hz       |

| Type            | Min. speed rpm | Max. speed rpm | Plug type | PK | Cat. No.  | Price         |
|-----------------|----------------|----------------|-----------|----|-----------|---------------|
| Vortex Genie® 2 | 600            | 2700           | EU        | 1  | 9.730 060 | <b>232.48</b> |
| Vortex Genie® 2 | 600            | 2700           | UK        | 1  | 6.251 939 | <b>337.35</b> |
| Vortex Genie® 2 | 600            | 2700           | CH        | 1  | 6.235 684 | <b>337.35</b> |

## Microtitre Shaker LLG-uniPLATESHAKER 1



- Compact
- Variable Speed
- Suitable for Different Micro Plate Sizes

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.

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

**Scope of supply:** shaker, mains adapter, 2 attachments (foam attachment and attachment for microtitre plates), 6 clamps

### Specifications

|                                  |                                |
|----------------------------------|--------------------------------|
| Type of movement:                | orbital                        |
| Orbital diameter:                | 2 mm                           |
| Speed range:                     | 300 ... 1800 min <sup>-1</sup> |
| Max. load:                       | 1 kg                           |
| Motor:                           | brushless DC motor             |
| Timer:                           | 1 ... 99 min, continuous       |
| Power consumption:               | 15 W                           |
| Permissible ambient temperature: | 4 ... 40 °C                    |
| Dimensions (W x D x H):          | 127 x 85 x 86 mm               |
| Weight:                          | 1.4 kg                         |
| Power supply:                    | 100 ... 230 V, 50/60 Hz        |

## Great Opportunity!

| Type                 | Plug type | PK | Cat. No.  | Price         |
|----------------------|-----------|----|-----------|---------------|
| LLG-uniPLATESHAKER 1 | EU        | 1  | 6.263 488 | <b>154.36</b> |
| LLG-uniPLATESHAKER 1 | UK        | 1  | 6.263 489 | <b>154.36</b> |

## Refrigerator Thermometers TMX series



Display of the current temperature and the set minimum/maximum limit values. Models 310 and 320 are equipped with an internal and an external temperature sensor, models 410 and 420 with 2 external temperature sensors.

- Visual and acoustic alarm when limit values are exceeded
- The external temperature sensor is located in a glycol bottle or in a metal capsule, depending on the device.
- With 3-point calibration option
- Incl. factory calibration certificate for -20 and 60 °C

### Specifications

|                                    |  |
|------------------------------------|--|
| Temperature range external sensor: | -50 ... 70 °C  |
| Temperature range internal sensor: | 0 ... 50 °C  |
| Resolution:                        | 0.1 °C   |
| Accuracy:                          | -20 ... 40 °C: ±0.5 °C/±1.0 °C for remaining temperature range |
| Cable length:                      | 3 m  |
| Housing material:                  | ABS  |
| IP code:                           | IP 20  |
| Dimensions (W x D x H):            | 100 x 23 x 110 mm  |
| Power supply:                      | 1 x AAA  |

| Type  | PK | Cat. No.  | Price |
|---|----|-----------|-------|
|   |    |           | EUR   |
| 310, with internal and external sensor in glycol bottle | 1  | 4.666 540 | 48.45 |
| 320, with internal and external sensor in metal capsule | 1  | 4.666 541 | 45.05 |
| 410, with 2 external sensors in glycol bottle           | 1  | 4.666 542 | 60.35 |
| 420, with 2 external sensors in metal capsule           | 1  | 4.666 543 | 53.55 |

## Time/Temperature Indicators 3M™ MonitorMark™



- Clear display of temperature exceedances and the duration of the exceedance
- Self-adhesive, easy to apply

### Unbeatable Prices!

| Type  | Temp. range °C | For    | PK  | Cat. No.  | Price    |
|-------|----------------|--------|-----|-----------|----------|
|       |                |        |     |           | EUR      |
| 9860C | 10 °C          | 48 H   | 500 | 4.668 641 | 1,244.50 |
| 9860H | 31 °C          | 1 Week | 500 | 4.668 642 | 1,244.50 |
| 9860E | 26 °C          | 48 H   | 500 | 4.668 643 | 1,244.50 |

## Data Logger EBI 20-T1



- With Internal Temperature Sensor
- Waterproof

For transport and storage monitoring and refrigeration areas and coldrooms. Waterproof, visual Alarm, max/min values on display, stores 40.000 readings, can be read off at any time.

### Scope of supply:

**EBI 20-T1:** Temperature Logger  
**EBI 20-T1-Set:** Temperature Logger, evaluation software, Interface



### Specifications

|                              |   |
|------------------------------|---|
| Measuring range temperature: | -30 to +70 °C   |
| Accuracy, temperature:       | ±0.5 °C (-20 to +40 °C); ±0.8 °C for remaining measuring range  |
| Resolution temperature:      | 0.1 °C  |
| Memory:                      | 40.000 samples  |
| Sensor:                      | NTC   |
| Operating temperature:       | -30 to +70 °C   |
| Storage temperature:         | -40 to +70 °C   |
| Measuring period:            | 1 minute to 24 hours  |
| Measuring mode:              | immediate loop measurement, measurement from starting point, start immediately until memory full, start/stop measuring, start when button pressed |
| Battery:                     | 3 V lithium (CR 2450), can be replaced  |
| IP code:                     | IP 67   |
| Housing:                     | ABS   |
| Dimensions:                  | 69 x 48 x 22 mm   |
| Weight:                      | approx. 45 g  |

| Type          | PK | Cat. No.  | Price  |
|---------------|----|-----------|--------|
|               |    |           | EUR    |
| EBI 20-T1     | 1  | 9.908 069 | 48.45  |
| EBI 20-T1-Set | 1  | 9.908 073 | 122.40 |

## Time/Temperature Indicators WarmMark™

- Selection of different temperatures
- Clear display of temperature exceedances and the duration of the exceedance
- Self-adhesive, easy to apply
- ISO-certified
- Dimensions (W x D x H): 19 x 46 x 1.5 mm



| Temp. range | PK  | Cat. No.  | Price  |
|-------------|-----|-----------|--------|
|             |     |           | EUR    |
| -18 °C      | 100 | 4.668 449 | 218.59 |
| 0 °C        | 100 | 4.668 450 | 218.59 |
| 8 °C        | 100 | 4.668 451 | 218.59 |
| 25 °C       | 100 | 4.668 452 | 218.59 |

## Piston Pump LLG-uniVACUUPUMP 1



- **Portable**
- **Can also be used as a Compressor**

The **portable** piston pump has been developed for **vacuum and pressure applications** in the laboratory, in particular in the field of Life Science. The pump 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:

- Can be used as a vacuum pump and compressor
- Cost-effective alternative for water pumps
- Compact, light weight and portable
- Oil-free, suitable for continuous operation
- Suction/pressure connection: hose nozzle DN 6 for hose inner diameter 6 mm

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

### Specifications

|  |                    |
|--|--------------------|
| Pump speed 50/60 Hz at atmospheric pressure: | 9.2/11 l/min       |
| Final pressure:                              | 292 mbar           |
| Max. overpressure:                           | 3.3 bar            |
| Max. operating gas temperature:              | 60 °C              |
| Permissible ambient temperature:             | 10 ... 40 °C       |
| Suction/pressure connection:                 | DN 6               |
| Noise emission:                              | <45 dB(A)          |
| Motor power:                                 | 25 W               |
| Dimensions (W x D x H):                      | 194 x 114 x 191 mm |
| Weight:                                      | 2.0 kg             |
| Power supply:                                | 230 V/50 Hz        |
| IP code:                                     | IP 20              |

### Amazing Opportunity!

| Type               | PK | Cat. No.  | Price  |
|--------------------|----|-----------|--------|
|                    |    |           | EUR    |
| LLG-uniVACUUPUMP 1 | 1  | 6.263 580 | 251.10 |

## Vacuum Tubing, rubber



**DEUTSCH & NEUMANN**

Red. Rubber (NR).  
Durometer 45 Shore A.  
Supplied per metre or standard coils of 25 m.

| Int. diam. mm | Wall thickness mm | PK | Cat. No.  | Price |
|---------------|-------------------|----|-----------|-------|
|               |                   |    |           | EUR   |
| 6             | 5                 | 1  | 9.205 806 | 3.54  |
| 7             | 5                 | 1  | 9.205 807 | 4.00  |
| 8             | 5                 | 1  | 9.205 808 | 4.14  |

## Portable Desiccator DURAPorter™, PC



Suitable for the transport and storage of hazardous samples, small equipment and samples that must be stored in dust-free and dry environments.

A waterproof silicone seal and three locking clamps ensure an absolutely safe and tight closure. Suitable for some test tube sites with holes of 13 mm or 16 mm. Includes dividers for 6 compartments on the inside for the transport of bags or small parts. Autoclavable.

Dimensions (W x D x H): 380 x 196 x 160 mm

| Type        | Colour                     | PK | Cat. No.  | Price |
|-------------|----------------------------|----|-----------|-------|
|             |                            |    |           | EUR   |
| DURAPorter™ | Clear with blue handles    | 1  | 9.194 005 | 70.77 |
| DURAPorter™ | Yellow with yellow handles | 1  | 9.194 006 | 76.73 |
| DURAPorter™ | Red with red handles       | 1  | 9.194 007 | 76.73 |

## LLG-Desiccant Drying Agents, silica gel, self-indicating



With orange indicator colour. The gel is naturally orange when active and at a 6 weight-% saturation level. As the gel adsorbs moisture, the colour changes into dark.

The gel can be regenerated when heated at a temperature of maximum 120 °C until it turns to its original orange colour.

Adsorption capacity (RH : residual moisture)

RH 20% 12 weight %  
RH 35% 20 weight %  
RH 50% 27 weight %  
RH 90% 40 weight %

| Granulation | Package contents | PK | Cat. No.  | Price |
|-------------|------------------|----|-----------|-------|
|             |                  |    |           | EUR   |
| 1 to 3mm    | Tin, 1kg         | 1  | 9.042 584 | 9.09  |
| 1 to 3mm    | Bucket, 3kg      | 1  | 9.042 585 | 24.62 |
| 1 to 3mm    | Bucket, 8kg      | 1  | 9.042 586 | 63.17 |
| 2 to 5mm    | Tin, 1kg         | 1  | 9.042 581 | 10.74 |
| 2 to 5mm    | Bucket, 3kg      | 1  | 9.042 582 | 29.27 |
| 2 to 5mm    | Bucket, 8kg      | 1  | 9.042 583 | 75.56 |

## LLG-Laboratory Jack, stainless steel



Plates made of stainless steel. Top plate with Ø 10 mm hole. With non-skid rubber feet. Acc. to DIN 12897.

### Incredibly Low Prices!

| Width | Depth | Min. height | Max. height | Max. stat. kg | Max. dyn. kg | PK | Cat. No.  | Price         |
|-------|-------|-------------|-------------|---------------|--------------|----|-----------|---------------|
| mm    | mm    | mm          | mm          | kg            | kg           |    |           | EUR           |
| 200   | 200   | 60          | 270         | 30            | 7            | 1  | 9.117 220 | <b>123.98</b> |

## Liquid Dispenser, ESD



Ideal for a wide range of applications in chemistry and medical laboratories. Made of antistatic HDPE with Teflon tube inside, for a great chemical resistance, ESD-safe. With hinged lid. Just touch the dispensing dish with a brush, cloth or other applicator and solvent is brought to the surface the instant it is needed. Stainless steel valves seal contents in bottle until used, preventing spills, dripping and escaping fumes from endangering the user. Fluid pumped into the dish does not drip back into the bottle, keeping stored liquids uncontaminated.

| Capacity | Description                 | PK | Cat. No.  | Price        |
|----------|-----------------------------|----|-----------|--------------|
| ml       |                             |    |           | EUR          |
| 120      | Fluid dispenser, pink       | 1  | 4.666 353 | <b>13.38</b> |
| 120      | Anti-splash fluid dispenser | 1  | 4.666 354 | <b>14.14</b> |
| 180      | Anti-splash fluid dispenser | 1  | 6.272 060 | <b>14.14</b> |

## LLG-Trolleys, Stainless Steel



Made of CNS 18/10, material no. 1.4301, with micro-polished surface. The load capacity per shelf is 80 kg.

| Description                       | Width | Depth | Height | PK | Cat. No.  | Price         |
|-----------------------------------|-------|-------|--------|----|-----------|---------------|
|                                   | mm    | mm    | mm     |    |           | EUR           |
| 2 shelves, vertical spacing 585mm | 900   | 600   | 950    | 1  | 9.148 101 | <b>215.16</b> |
| 3 Shelves, vertical spacing 275mm | 900   | 600   | 950    | 1  | 9.148 104 | <b>263.45</b> |

## Lab-Marker Securline®



For permanent marking on plastic, metal and porcelain labware. Will write even when labware surface is damp.

- Permanent, quick-drying ink
- Fine tip

| Colour | PK | Cat. No.  | Price        |
|--------|----|-----------|--------------|
|        |    |           | EUR          |
| Black  | 10 | 4.665 487 | <b>21.29</b> |



## Mini Centrifuges LLG-uniCFUGE 2/5



Compact and reasonably priced mini centrifuges. Speed can be adjusted to 4000 min<sup>-1</sup> or 6000 min<sup>-1</sup>. Powerful motor for fast starting. Quick stop when the lid is opened. With **rotor for 4 x 5 ml tubes**.

**Scope of supply:** centrifuge, mains cable

### Specifications

|                         |   |
|-------------------------|---|
| Max. RCF:               | 1200 x g and 2000 x g                             |
| Max. speed:             | 4000 min <sup>-1</sup> and 6000 min <sup>-1</sup> |
| Motor:                  | brushless DC motor                                |
| Max. load:              | 4 x 5 ml  |
| Dimensions (diam. x H): | 140 x 120 mm                                      |
| Weight:                 | 0.7 kg  |
| Power supply:           | 100 ... 240 V, 50/60 Hz                           |

| Description                   | PK | Cat. No.  | Price        |
|-------------------------------|----|-----------|--------------|
|                               |    |           | <b>EUR</b>   |
| LLG-uniCFUGE 2/5 with EU-plug | 1  | 6.263 515 | <b>85.82</b> |
| LLG-uniCFUGE 2/5 with UK-plug | 1  | 6.263 516 | <b>85.82</b> |

## LLG-Centrifuge Tubes, 5 ml, PP



The LLG-Centrifuge tubes, 5ml, represent the perfect solution for all laboratory applications requiring incubation, centrifugation and sample handling in an intermediate volume range.

- Max. 25.000 x g, suitable for high speed centrifugation
- Graduations every 0.25 ml for easy volume estimation
- A flat, frosted cap and large writing pad for sample labeling and identification
- Autoclavable
- Fits all rotors and racks that hold 15 ml conical tubes, no adapters needed
- Certified free of RNase and DNase

| Description                                | Package contents                       | PK  | Cat. No.  | Price        |
|--|--|-----|-----------|--------------|
|  |  |     |           | <b>EUR</b>   |
| Clear                                      | 1 bag of 250 pieces                    | 250 | 6.281 113 | <b>24.69</b> |
| Colour assortment green, yellow, red, blue | 4 bags of 50 pieces (1 colour per bag) | 200 | 6.281 114 | <b>19.74</b> |
| Amber                                      | 1 bag of 250 pieces                    | 250 | 6.281 115 | <b>24.69</b> |

## Centrifuge, Combispin PCV-2400



### Centrifuge & Vortexer in One



Combined centrifuge/vortex mixer for microtubes and 0.2 ml strips. For independent centrifuge and vortex mixing, or mixing of an individual tube concurrently with spinning of multiple tubes. The vortex cup, located at the top of the central shaft, emerges through an opening in the closed lid. In spin-mix-spin applications, the Combispin can be used with very low reagent volumes.

- Continuous operation or short spin
- Further rotors on option: 8 x 1.5/2.0 ml + 8 x 0.5 ml microtubes or 6 x 1.5/2.0 ml + 8 x 0.5 ml microtubes or 2 x 8-well 0.2 ml strips

**Scope of supply:** Centrifuge, rotor for 12 x 1.5 ml tubes, rotor for 12 x 0.5 ml + 12 x 0.2 ml tubes

### Specifications

|                |  |
|----------------|--|
| Max. RCF:      | 700 x g  |
| Max. speed:    | fixed at 3500 rpm  |
| Max. capacity: | 12 x 1.5 ml or 12 x 0.5 ml + 12 x 0.2 ml or 2 x 8-well strips 0.2 ml |

|                         |                                   |
|-------------------------|-----------------------------------|
| Power consumption:      | 11 W                              |
| Dimensions (W x D x H): | 190 x 235 x 125 mm                |
| Weight:                 | 2.1 kg                            |
| Power supply:           | 120 ... 230 VAC, 50/60 Hz, 12 VDC |

**Unbeatable Price!**

| Type     | Description    | PK | Cat. No.  | Price         |
|----------|----------------|----|-----------|---------------|
|          |                |    |           | <b>EUR</b>    |
| PCV-2400 | incl. 2 rotors | 1  | 9.721 001 | <b>297.00</b> |

## Tube Rack for 5 ml Centrifuge Tubes, PP



Designed specifically for 40 x 5 ml centrifuge tubes this rack will also accommodate other tubes with a diameter of 13 to 16 mm. Made of durable and corrosion resistant white polypropylene. End plates have handles for easy transport and stacking.

- Steam autoclavable at 121 °C
- Dimensions (L x W x H): 260 x 113 x 105 mm
- Rows: 4 x 10

| For tubes diam. | Array | PK | Cat. No.  | Price        |
|-----------------|-------|----|-----------|--------------|
|                 |       |    |           | <b>EUR</b>   |
| 13 - 16 mm      | 40    | 1  | 9.194 026 | <b>30.67</b> |

## Ultra Pure Water System OmniaTap

OmniaTap is the ideal system when both pure water and ultrapure water are required - but in relatively small amounts. It provides both types from a single system. It is also possible to connect the system directly to a drinking water tap. A touch on the flexible dispenser button activates dispensing of ultrapure water type ASTM I via the digital dispenser control. The recirculation of the pure water held in the installed 10 litre tank keeps it permanently at type ASTM II quality. The pure water tank has a second outlet for feeding downstream end users.

### Applications:

**OmniaTap 6/12:** AAS, IC, ICP, buffers and media preparation

**OmniaTap 6 UV/12 UV:** Ultra-trace analysis, ICP-MS, HPLC, TOC-analysis

**Scope of supply:** Instrument incl. filter cartridges and sterile filter capsule 0.2 µm

stakpure



### Specifications

#### ASTM II

Ultrapure water output:

Resistivity:

Conductivity:

Pure water tank pressurized outlet:

#### ASTM I

Dispensing performance:

Resistivity:

Conductivity:

Bacteria (with end filter):

Particles (with end filter):

Feed water requirements:

Dimensions (W x D x H):

Weight:

Power supply:

### OmniaTap/OmniaTap V

6 or 12 l/h

15-10 MΩ-cm

0.067-0.1 µS/cm

yes

up to 2 l/min

18.2 MΩ-cm

0.055 µS/cm

< 0.1 CFU/ml

< 1/ml

Drinking water acc. to DIN 2000

390 x 615 x 720 mm

22 kg/23 kg

90-240 V, 50/60 Hz

## Fantastic Offers!



**For Analysis Supply, Autoclaves and Laboratory Rinsing Devices**

| Type           | TOC value | PK | Cat. No.  | Price           |
|----------------|-----------|----|-----------|-----------------|
|                |           |    |           | <b>EUR</b>      |
| OmniaTap 6     | 5-10 ppb  | 1  | 6.272 145 | <b>3,454.40</b> |
| OmniaTap 6 UV  | 1-5 ppb   | 1  | 6.272 146 | <b>4,007.75</b> |
| OmniaTap 12    | 5-10 ppb  | 1  | 6.272 148 | <b>4,471.85</b> |
| OmniaTap 12 UV | 1-5 ppb   | 1  | 6.272 149 | <b>5,015.85</b> |

## Mono Water Stills

Fully automatic water stills for bench or wall mounting, with distillation capacities from 2 to 12 l/h. Models with storage tank for twice the hourly capacity of the unit. Manual and automatic cleaning indicator when the water in the bubble is very dirty.

- Evaporator with splash water barrier, condenser and storage tank made of stainless steel

### Without storage tank:

- Cooling water temperature is displayed on a thermometer

- Water supply with connection to cooling water inlet 1/2" (i.D. 12.7 mm), cooling water drain 1/2" (I.D. 12.7 mm)

- A cooling water pressure of 1-2 bar is required

### With storage tank:

- Water that has not evaporated drains off via the cooling water drain

- Electronic level switch switches the still off when the storage tank is full and restarts it automatically when distillate is withdrawn

- Double-walled housing

- Distillate withdrawal through drain cock with continuous and touch position

- Water supply via solenoid valve with connection for pressure hose 1/2" (I.D. 12.7 mm), cooling water drain with hose connection 3/4" (I.D. 19 mm)

- A cooling water pressure of 3-7 bar is required



**Compact & Powerful**

| Type   | Description          | Output  | Water consumption | Dimensions (W x D x H) | Power | Voltage  | Weight | PK | Cat. No.  | Price           |
|--------|----------------------|---------|-------------------|------------------------|-------|----------|--------|----|-----------|-----------------|
|        |                      | L / hr. | approx. L / hr.   | mm                     | W     | 50/60 Hz | kg     |    |           | <b>EUR</b>      |
| 2002   | With storage tank    | 2       | 30                | 540 x 290 x 420        | 1500  | 230 V    | 15.4   | 1  | 9.910 602 | <b>1,267.20</b> |
| 2004   | With storage tank    | 4       | 48                | 620 x 330 x 460        | 3000  | 230 V    | 20.2   | 1  | 9.910 604 | <b>1,489.50</b> |
| 2008   | With storage tank    | 8       | 72                | 780 x 410 x 540        | 6000  | 400 V*   | 35.3   | 1  | 9.910 608 | <b>1,878.30</b> |
| 2012   | With storage tank    | 12      | 198               | 780 x 410 x 670        | 9000  | 400 V*   | 43.0   | 1  | 9.910 612 | <b>2,505.60</b> |
| 2001/2 | Without storage tank | 2       | 20                | 280 x 250 x 490        | 7500  | 230 V    | 7.5    | 1  | 9.910 600 | <b>985.50</b>   |
| 2001/4 | Without storage tank | 4       | 40                | 280 x 250 x 490        | 7500  | 230 V    | 7.5    | 1  | 9.910 601 | <b>1,077.30</b> |

\* 400 V/3ph/N/PE/three-phase current

Other voltages available - details on request.

## Muffle Furnaces up to 1100 °C

**SNOL**  
SMALT CO. - NINEGA - COPENHAGEN

**NEW**

High temperature furnaces with glass fibre insulated chamber. Suitable for applications in industry, science and medicine.

- Ceramic bottom plate
- Controls easily accessible in the socket
- Fast heating times
- Furnace housing made of powder-coated metal
- Good temperature stability
- Energy saving
- Models with Omron E5CC controller: time and temperature can be set
- Models with Omron E5CC-T controller: 8 storable programs
- Power supply: 230 V/50 Hz



## High-Temperature Furnaces up to 1100 °C

### Incredible Reductions!

| Type                  | Nom. capacity | Description  | Internal dimensions (W x D x H) mm | PK | Cat. No.  | Price    |
|-----------------------|---------------|--------------|------------------------------------|----|-----------|----------|
|                       | L             |              |                                    |    |           | EUR      |
| SNOL 3/1100 LHM01*    | 3             | Top-opening  | 120 x 200 x 105                    | 1  | 4.669 202 | 969.00   |
| SNOL 8.2/1100 LHM01*  | 8             | Top-opening  | 195 x 310 x 135                    | 1  | 4.669 203 | 1,235.00 |
| SNOL 8.2/1100 LSM01*  | 8             | Side-opening | 195 x 310 x 135                    | 1  | 4.669 204 | 1,083.00 |
| SNOL 8.2/1100 LZM01*  | 8             | Down-opening | 195 x 310 x 135                    | 1  | 4.669 205 | 1,187.50 |
| SNOL 13/1100 LHM01*   | 13            | Top-opening  | 220 x 335 x 170                    | 1  | 4.669 206 | 1,529.50 |
| SNOL 22/1100 LHM01*   | 22            | Top-opening  | 280 x 500 x 160                    | 1  | 4.669 207 | 2,023.50 |
| SNOL 3/1100 LHM01**   | 3             | Top-opening  | 120 x 200 x 105                    | 1  | 4.669 220 | 1,225.50 |
| SNOL 8.2/1100 LHM01** | 8             | Top-opening  | 195 x 310 x 135                    | 1  | 4.669 221 | 1,491.50 |
| SNOL 8.2/1100 LSM01** | 8             | Side-opening | 195 x 310 x 135                    | 1  | 4.669 222 | 1,339.50 |
| SNOL 8.2/1100 LZM01** | 8             | Down-opening | 195 x 310 x 135                    | 1  | 4.669 223 | 1,444.00 |
| SNOL 13/1100 LHM01**  | 13            | Top-opening  | 220 x 335 x 170                    | 1  | 4.669 224 | 1,786.00 |
| SNOL 22/1100 LHM01**  | 22            | Top-opening  | 280 x 500 x 160                    | 1  | 4.669 225 | 2,280.00 |

\* with Omron E5CC controller  
 \*\*with Omron E5CC-T controller

### Safety Gloves, Heat Protection up to 500 °C

EN 388 EN 407



2543



- 5-finger glove, 1 pair
- Protection against contact heat short term up to 500 °C
- Made of aramid fabric with special insulation
- Usable on both sides
- Abrasion resistant

Length: 400mm  
 EN: 388, 407

| Description               | PK | Cat. No.  | Price |
|---------------------------|----|-----------|-------|
|                           |    |           | EUR   |
| Heat Protection, 5 finger | 1  | 9.006 893 | 51.26 |

### Crucible Tongs, 18/10 steel



18/10 steel. Electro polished.  
 With bow and gripping tips.

| Length mm | Description  | PK | Cat. No.  | Price |
|-----------|--------------|----|-----------|-------|
|           |              |    |           | EUR   |
| 160       | 18/10 E-Poli | 1  | 9.310 116 | 3.95  |
| 200       | 18/10 E-Poli | 1  | 9.310 120 | 3.86  |
| 220       | 18/10 E-Poli | 1  | 9.310 122 | 3.94  |
| 250       | 18/10 E-Poli | 1  | 9.310 125 | 4.28  |
| 300       | 18/10 E-Poli | 1  | 9.310 130 | 4.37  |

# LABORTOPS

## Refrigerated Circulators CORIO™ CP

**Julabo**

With insulated stainless steel bath tanks, flexible performance and an operating temperature range of up to 200 °C. Temperature control is possible either in the internal bath or in a connected external application.

- Suitable for internal and external applications
- High-quality stainless steel bath vessels including bath lid and drain
- Refrigerating units without side ventilation openings
- More space in the bath due to space-saving evaporator coils
- External pump connections M16x1
- Bright, white, easily visible display, even from a distance
- Low-level warning system
- Simple switching between internal and external circulation
- Powerful, continuously variable pump
- Pump capacity adjustable from 8 to 27 l/min
- Very quiet
- Rubber feet for secure standing
- Removable air vent
- USB connection
- RS232 interface
- Class III (FL) according to DIN 12876-1

**Scope of supply:** refrigerated circulator, mains power cable, connection box, bath cover, connecting cable, refrigerator, hose connectors 8 and 12 mm



- **New Generation of Laboratory Thermostats**
- **For Heating and Cooling**

### Specifications

|                                  |                 |
|----------------------------------|-----------------|
| Setting accuracy:                | 0.01 °C         |
| Temperature uniformity:          | ±0.03 °C        |
| Pump output:                     | 8 ... 27 l/min  |
| Pump pressure:                   | 0.1 ... 0.7 bar |
| Heat output:                     | 2 kW            |
| Timer:                           | 0 ... 999 min   |
| Hose connector inner width:      | 8/12 mm         |
| Permissible ambient temperature: | 5 ... 40 °C     |
| Power supply:                    | 230 V/50 Hz     |

| Type    | Capacity of the bath<br>litres | Bath opening / Bath depth<br>mm | Temp. range<br>°C | External dimensions<br>(W x D x H)<br>mm | PK | Cat. No.  | Price<br>EUR |
|---------|--------------------------------|---------------------------------|-------------------|--|----|-----------|--------------|
| CP-200F | 4                              | 130 x 150 / 150                 | -20 ... 200       | 230 x 390 x 650                          | 1  | 4.670 680 | 3,265.20     |
| CP-201F | 4                              | 130 x 150 / 150                 | -20 ... 200       | 440 x 410 x 440                          | 1  | 4.670 681 | 3,265.20     |
| CP-300F | 4                              | 130 x 150 / 150                 | -30 ... 200       | 240 x 420 x 660                          | 1  | 4.670 683 | 3,688.20     |
| CP-600F | 7.5                            | 220 x 150 / 150                 | -35 ... 200       | 330 x 470 x 690                          | 1  | 4.670 684 | 4,480.20     |
| CP-601F | 10                             | 220 x 150 / 200                 | -35 ... 200       | 360 x 460 x 740                          | 1  | 4.670 685 | 4,804.20     |