



# 2026 Q1 Labortops

VALID UNTIL 31.03.2026

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PARTNER OF  
**LLG**  
Laboratory Supply Solutions

## Bottle-top dispensers Calibrex™ solutae 530

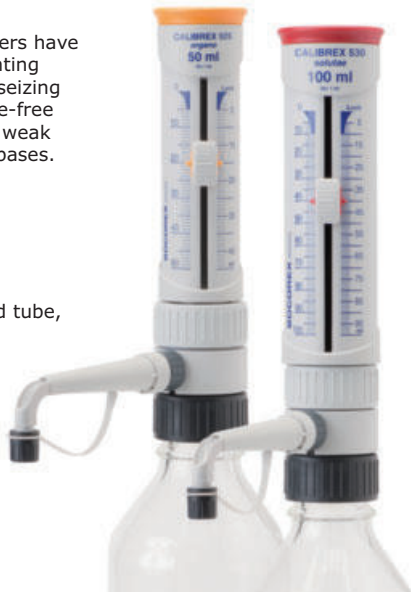


Calibrex *solutae* 530 dispensers have a PFA-coated plunger, preventing the plunger and barrel from seizing together. This enables trouble-free distribution of salt solutions, weak and strong acids, as well as bases.

- 45 mm base thread
- Autoclavable at 121 °C, fully assembled

### Scope of delivery:

Delivery jet and stopper, feed tube, 3 alternative adapters (25, 28, 32 mm for 1 and 2.5 ml versions; 28, 32, 40 mm for 5 and 10 ml versions; 32, 38, 40 mm from 25 ml onwards), QC certificate and operating instructions



Volume	Graduations	Recycle valve	PK	Cat. No.	Price
ml	ml				EUR
0.1 - 1	0.02	without	1	6.281 543	375.00
0.25 - 2.5	0.05	without	1	6.281 544	375.00
0.5 - 5	0.1	without	1	6.281 545	375.00
1 - 10	0.2	without	1	6.281 546	375.00
2.5 - 25	0.5	without	1	9.411 565	480.00
5 - 50	1.0	without	1	9.411 566	527.00
10 - 100	1.0	without	1	6.258 446	606.50
0.1 - 1	0.02	with	1	6.281 547	431.50
0.25 - 2.5	0.05	with	1	6.281 548	431.50
0.5 - 5	0.1	with	1	6.281 549	431.50
1 - 10	0.2	with	1	6.281 550	431.50
2.5 - 25	0.5	with	1	6.261 221	536.00
5 - 50	1.0	with	1	6.261 222	583.50
10 - 100	1.0	with	1	6.261 223	663.00

## Laboratory bottles, DURAN®, with retrace code, with screw cap



With a blue PP screw cap and a pouring ring. ISO 4796-1 compliant.  
Thread acc. to DIN 168-1 and approximate graduations.

Capacity	Diam.	Height with cap	Neck thread	PK	Cat. No.	Price
ml	mm	mm	GL			EUR
25 *	36	74	25	10	4.679 006	92.50
50	46	91	32	10	4.679 003	98.50
100	56	105	45	10	4.679 004	84.40
250	70	143	45	10	4.679 005	94.50
500	86	181	45	10	4.679 007	117.60
1000	101	230	45	10	4.679 010	166.80
2000	136	265	45	10	4.679 008	392.40

\* With a specially shaped glass edge for improved pouring out (so that an additional plastic pouring ring is not required).

## Dispensers Multipette® M4



The Multipette®/Combitip system dispenses volumes according to the principle of direct displacement. The liquid is dispensed directly without an air cushion.

- Stress-free working thanks to the integrated step counter
- Central Combitip ejection
- Step counter: Displays the number of dispensing steps already performed
- Can only be used with Eppendorf Combitips advanced
- Combitip sensor: Automatic Combitip recognition and volume display
- For use with 25 ml or 50 ml Combitips, the appropriate adapter must be ordered at the same time.
- Precise dispensing of viscous solutions (e.g. glycerine) or liquids with high vapour pressure (e.g. ethanol)



Type	PK	Cat. No.	Price
			EUR
Multipette® M4 incl. holder	1	9.283 604	464.24

## Pipette tips, Eppendorf Combitips advanced®



Combining Combitips advanced® with the Multipette® hand dispensers optimises the performance of long pipetting and dispensing series.

- Positive displacement principle
- Automatic tip detection
- High safety even for work with radioactive, aggressive or toxic materials
- Colour coded with 1 colour ring
- Continuous volume scale
- Automatic tip recognition in Multipette® 4780, Multipette® plus, Multipette® stream and Xstream

Type	Capacity	Colour code	PK	Cat. No.	Price
	ml				EUR
Combitips advanced®	0.1	white	100	9.283 135	118.48
Combitips advanced®	0.2	light blue	100	9.283 136	118.48
Combitips advanced®	0.5	purple	100	9.283 137	118.48
Combitips advanced®	1.0	yellow	100	9.283 138	118.48
Combitips advanced®	2.5	green	100	9.283 139	118.48
Combitips advanced®	5.0	blue	100	9.283 140	118.48
Combitips advanced®	10.0	orange	100	9.283 141	118.48
Combitips advanced®	25.0	red	100	9.283 142	138.95
Combitips advanced®	50.0	light grey	100	9.283 143	152.95
advanced® Adapter	25.0	red	1	9.283 162	13.03
advanced® Adapter	50.0	light grey	1	9.283 163	13.03



## Microliter pipettes Transferpette® pro, variable



The slim design and individually adjustable finger hook enable ergonomic working even during long pipetting sessions. The Transferpette® pro features two adjustment techniques: Easy Calibration for permanent calibration without tools and User Adjustment for quick, reversible adaptation to changing conditions such as temperature, tip shape, or media properties. The Transferpette® pro is made of high-quality materials with built-in counter protection, making it both robust and durable. It's fully autoclavable (121 °C).

### Scope of supply (Single channel):

Microliter pipette, DE-M marking, performance certificate, shelf mount, silicone grease

### Scope of supply (Multi-channel):

Microliter pipette, DE-M marking, performance certificate, 2 x TipBox, filled with pipette tips from BRAND, shelf mount, reagent reservoir, installation tool, silicone grease, 1 set of sealing rings



- Permanent calibration
- Built-in counter protection
- Autoclavable



**New**

Channels	Capacity	Colour coding	PK	Cat. No.	Price
	µl				EUR
1	0.1 ... 1	grey	1	4.713 242	340.00
1	0.1 ... 2.5	grey	1	4.713 243	340.00
1	0.5 ... 10	grey	1	4.713 244	340.00
1	2 ... 20	yellow	1	4.713 245	340.00
1	2 ... 20	grey	1	4.713 246	340.00
1	5 ... 50	yellow	1	4.713 247	340.00
1	10 ... 100	yellow	1	4.713 248	340.00
1	20 ... 200	yellow	1	4.713 249	340.00
1	30 ... 300	green	1	4.713 250	340.00
1	100 ... 1.000	blue	1	4.713 251	340.00
1	500 ... 5.000	red	1	4.713 253	340.00
1	1.000 ... 10.000	light blue	1	4.713 254	340.00
8	0.5 ... 10	grey	1	4.713 255	850.00
8	5 ... 50	yellow	1	4.713 256	850.00
8	10 ... 100	yellow	1	4.713 257	850.00
8	20 ... 200	yellow	1	4.713 258	850.00
8	30 ... 300	green	1	4.713 259	850.00
8	50 ... 1.250	violet	1	4.713 260	850.00
12	0.5 ... 10	grey	1	4.713 261	950.00
12	5 ... 50	yellow	1	4.713 262	950.00
12	10 ... 100	yellow	1	4.713 263	950.00
12	20 ... 200	yellow	1	4.713 264	950.00
12	30 ... 300	green	1	4.713 265	950.00
12	50 ... 1.250	violet	1	4.713 266	950.00

### Wall mount and shelf brackets for Transferpette® pro



Wall mount



Shelf bracket

For single- and multichannel pipettes.

Description	PK	Cat. No.	Price
			EUR
Wall mount (for 1 device)	1	4.713 268	18.24
Shelf bracket (for 1 device)	1	4.713 267	11.40

### Pipette tips, racked in TipRack, non-sterile



For TipBox. Refill unit, protected in an environmentally compatible packaging of recyclable PET.

Capacity	Package contents	PK	Cat. No.	Price
µl				EUR
0.5 - 20	10 TipRacks of 96	960	9.409 758	47.10
2 - 200	10 TipRacks of 96	960	9.409 760	43.60
5 - 300	10 TipRacks of 96	960	9.409 761	43.60
50 - 1000	10 TipRacks of 96	960	9.409 762	44.50

## Presentation boards, Catch-ball system



Clear organisation



An innovative solution to the age-old problem of organising notes and dealing with mountains of paper. This patented system works simply by using the law of gravity and the movement of glass spheres. Paper sheets can be inserted or removed from the holding rails in one movement. No damage, no risk of injury, and one-handed operation! Simple assembly by tape, prepared for screw-connection.

Material	Length	PK	Cat. No.	Price
	cm			EUR
Aluminium, anodised	100	1	9.262 600	29.16
Aluminium, anodised	50	1	9.262 601	20.15

## Laboratory beaker, stainless steel



The laboratory beaker is suitable for sterile environments and food technology applications. Its universal Griffin beaker shape makes it the ideal choice for stirring, mixing or sample preparation.

- With spout and rim
- Smooth surface, easy to clean, hygienic
- Contact base for optimum heat distribution
- Corrosion and chemical resistant
- Unbreakable
- Autoclavable
- Food-safe

Capacity	Diam.	Height	PK	Cat. No.	Price
ml	mm	mm			EUR
100	50	60	1	4.714 086	20.30
250	65	85	1	4.714 087	22.20
500	80	110	1	4.714 088	35.10
1000	100	130	1	4.714 089	51.80
3000	150	180	1	4.714 090	77.70
5000	180	210	1	4.714 091	83.20

## Measuring jugs with handle, PP



Low profile. Autoclavable. Highly translucent when filled with liquids. Raised graduations. With a thumb grip on the handle.

Nominal capacity	Grad.	Ext. diam.	Height	PK	Cat. No.	Price
ml	ml	mm	mm			EUR
500	25	90	116	1	9.013 591	5.92
1000	50	116	131	1	9.013 592	6.36
2000	50	145	165	1	9.013 593	11.88
3000	100	165	180	1	9.013 594	16.24
5000	250	190	225	1	9.013 595	24.48

## Spray bottles LaboPlast®, PE/PP



Chemically resistant to a large extent. Trigger-action spray pump with continuously adjustable spray nozzle.

- Parts in contact with media made of PP, PE and stainless steel
- Nozzle diameter 0.6 mm; nozzle is continuously adjustable
- Amount sprayed per stroke: 1.2 ml  $\pm$  0.1 ml

Capacity	Ext. diam.	Neck diam. int.	Height	PK	Cat. No.	Price
ml	mm	mm	mm			EUR
250	60	18.0	220	1	9.223 152	5.75
500	75	18.0	240	1	9.223 155	6.70
1000	98	17.5	295	1	9.223 160	6.70



## Peristaltic pump LLG-uniPERISTALTICPUMP 1



- Compact peristaltic pump
- Interchangeable pump heads



**The extra compact peristaltic pump.** Ideal for continuous dosing applications. Space-saving, robust and with a wide range of easily exchangeable pump heads.

- Stable flow rates
- Compact design
- Reversible working direction
- Various pump heads with different hose diameters are available as accessories
- Corrosion-resistant ABS housing
- OLED display for indication of speed and working direction

**Scope of supply:** Pump, pump head, Pharmed® hose connectors 3 mm ID, 5 mm AD

### Specifications

Speed range:	0.1 ... 150 rpm
Speed accuracy:	±0.1 rpm
Flow rate range:	0.004 ... 63.69 ml/min
Weight:	0.8 kg
Dimensions (W x D x H):	180 x 115 x 125 mm
IP code:	IP 31
Working temperature range:	0 ... 40 °C
Max. humidity:	80%
Power rating:	10 W
Power supply:	100 ... 240 V, 50/60 Hz
Warranty:	3 years

Type	Plug type	PK	Cat. No.	Price
				EUR
LLG-uniPERISTALTICPUMP 1	EU	1	6.263 540	630.50
LLG-uniPERISTALTICPUMP 1	UK	1	6.263 541	584.60

## Peristaltic pump LLG-uniPERISTALTICPUMP 3



- High volumetric efficiency



**The peristaltic pump has a high pumping capacity.**

Ideal for continuous dosing applications. Space-saving, robust and with a stable flow rate.

- **High pumping capacity of 398 ml/min**
- Reversible working direction
- Corrosion-resistant ABS housing
- OLED display for indication of speed and working direction

**Scope of supply:** Pump, pump head, Pharmed® hose connectors 6.4 mm ID, 9.6 mm AD

### Specifications

Speed range:	0.1 ... 150 rpm
Speed accuracy:	±0.1 rpm
Flow rate range:	0.08 ... 398 ml/min
Weight:	0.8 kg
Dimensions (W x D x H):	190 x 128 x 135 mm
IP code:	IP 31
Working temperature range:	0 ... 40 °C
Max. humidity:	80%
Power rating:	20 W
Power supply:	100 ... 240 V, 50/60 Hz
Warranty:	3 years

Type	Plug type	PK	Cat. No.	Price
				EUR
LLG-uniPERISTALTICPUMP 3	EU	1	6.263 550	739.70
LLG-uniPERISTALTICPUMP 3	UK	1	6.263 551	698.80

## Drum pump Pump-it®

For rapid and clean emptying from cans, drums and small barrels up to 60 L.

- Precise dosing, without dripping
- Pump connection suitable for 64mm dia. (BSI) container threads
- Stepless length adjustment of the immersion tube
- Threaded adapters for most commercially sold containers available
- Not suitable for HCl

Immersion depth	Flow rate	Material	PK	Cat. No.	Price
mm	L / min.				EUR
1000	8	PP/FKM	1	9.001 110	143.60





- Top seller
- Wide assortment



## LLG-Measuring cylinders, borosilicate glass 3.3, tall form, class A



Tall form. Calibrated to contain IN. Conformity certified with batch ID.

- DIN ISO 4788
- With a hexagonal base and spout
- Blue graduation

Capacity	Graduation	Tolerance	PK	Cat. No.	Price
ml		± ml			EUR
5	0.1	0.05	2	4.686 202	<b>19.60</b>
10	0.2	0.10	2	4.686 203	<b>19.60</b>
25	0.5	0.25	2	4.686 204	<b>20.80</b>
50	1.0	0.50	2	4.686 205	<b>22.20</b>
100	1.0	0.50	2	4.686 206	<b>26.50</b>
250	2.0	1.00	2	4.686 207	<b>42.50</b>
500	5.0	2.50	2	4.686 208	<b>58.80</b>
1000	10.0	5.00	1	4.686 209	<b>38.10</b>
2000	20.0	10.00	1	4.686 210	<b>64.70</b>

## LLG-Volumetric flasks, borosilicate glass 3.3, class A



Conformity certified with batch ID.

- DIN ISO 1042
- With a standard ground joint and PE stopper
- Blue ring mark and inscription

Capacity	Tolerance	Ground size	PK	Cat. No.	Price
ml	± ml	NS			EUR
5	0.040	10/19	2	4.686 232	<b>21.80</b>
10	0.040	10/19	2	4.686 233	<b>21.20</b>
20	0.040	10/19	2	4.686 234	<b>22.00</b>
25	0.040	10/19	2	4.686 235	<b>22.10</b>
25	0.060	12/21	2	4.686 236	<b>24.20</b>
50	0.060	12/21	2	4.686 238	<b>24.70</b>
50	0.100	14/23	2	4.686 237	<b>27.60</b>
100	0.100	12/21	2	4.686 239	<b>30.00</b>
100	0.100	14/23	2	4.686 240	<b>28.00</b>
200	0.150	14/23	2	4.686 241	<b>35.40</b>
250	0.150	14/23	2	4.686 242	<b>35.90</b>
500	0.250	19/26	2	4.686 243	<b>47.60</b>
1000	0.400	24/29	1	4.686 244	<b>36.00</b>
2000	0.600	29/32	1	4.686 245	<b>50.40</b>

## LLG-Volumetric trapezoidal flasks, borosilicate glass 3.3, class A



Trapezoidal shape. Conformity certified with batch ID.

- DIN ISO
- With standard ground joint and PE stopper
- Blue ring mark and inscription

Capacity	Tolerance	Ground size	PK	Cat. No.	Price
ml	± ml	NS			EUR
1	0.025	7/16	2	4.686 225	<b>28.50</b>
2	0.025	7/16	2	4.686 226	<b>28.50</b>
3	0.025	7/16	2	4.686 227	<b>28.50</b>
4	0.025	7/16	2	4.686 228	<b>28.50</b>
10	0.040	10/19	2	4.686 229	<b>29.20</b>
20	0.040	10/19	2	4.686 230	<b>35.60</b>
25	0.040	10/19	2	4.686 231	<b>35.60</b>

## LLG-Volumetric flasks, amber glass, borosilicate glass 3.3, class A



Conformity certified with batch ID.

- DIN ISO 1042
- With standard ground joint and PE stopper
- White ring mark and inscription

Capacity	Tolerance	Ground size	PK	Cat. No.	Price
ml	± ml	NS			EUR
5	0.040	10/19	2	4.686 246	<b>25.50</b>
10	0.040	10/19	2	4.686 247	<b>25.50</b>
20	0.040	10/19	2	4.686 248	<b>27.30</b>
25	0.040	10/19	2	4.686 249	<b>27.30</b>
50	0.100	14/23	2	4.686 250	<b>35.90</b>
100	0.100	14/23	2	4.686 251	<b>40.70</b>
200	0.150	14/23	2	4.686 252	<b>54.00</b>
250	0.150	14/23	2	4.686 253	<b>54.00</b>
500	0.250	19/26	2	4.686 254	<b>90.60</b>
1000	0.400	24/29	1	4.686 255	<b>70.10</b>

## Ultrapure water system LaboStar® PRO TWF



- For type I and type III water
- Integrated 7 liter tank
- Withdrawal rate 1.2 l/min

The LaboStar® PRO TWF systems produce ultrapure water straight from your drinking water supply. This equipment incorporates a pre-filtration unit and a reverse osmosis membrane. The pure water collects in an integrated tank and is finally circulated through the polishing module by a circulation pump. A conductivity sensor constantly measures the product water purity in the recirculation loop. A positively charged 0.2 µm sterile filter at the dispenser removes bacteria and endotoxins. The ultrapure water system is supplied with the first set of modules and filters.

- Upgrade with a 30 or 60 L storage tank is possible
- Manual dispense via tap
- Delivers two types of water: type III from the tank and type I from the dispenser
- Easy module change due to quick-fit couplers



Type	Output L / hr.	Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR
LaboStar PRO TWF	1.2	400 x 410 x 535	1	6.493 837	<b>4,862.00</b>
LaboStar PRO TWF UV	1.2	400 x 410 x 535	1	6.269 356	<b>5,387.20</b>

## LLG-Carboy, PP, with handles



LLG-Carboy with screw cap made of PP.  
The practical shoulder handle facilitates transport and pouring.

- With graduation
- Autoclavable
- Leak-proof

Capacity l	Dimensions (dia. x H) mm	Neck diam. mm	Cap size	PK	Cat. No.	Price EUR
10	249 x 376	65	83	1	4.692 534	<b>59.20</b>
20	285 x 518	65	83	1	4.692 535	<b>99.00</b>
50	376 x 665	65	83	1	4.692 536	<b>176.60</b>

## LLG-Wide-Mouth Bottle, HDPE, round



- With screw cap made of PP
- Very good chemical resistance
- Autoclavable
- Leak-proof

Capacity ml	Diam. mm	Neck diam. int. mm	Height mm	PK	Cat. No.	Price EUR
30	34.6	21.0	59.1	12	4.692 544	<b>16.40</b>
60	39.2	21.1	81.5	12	4.692 545	<b>19.40</b>
125	50.3	28.3	94.7	12	4.692 546	<b>25.60</b>
250	60.9	32.8	127.0	12	4.692 547	<b>31.70</b>
500	72.7	44.0	164.0	12	4.692 548	<b>51.10</b>
1000	92.0	51.9	195.0	6	4.692 549	<b>34.70</b>
2000	119.0	90.8	236.0	1	4.692 550	<b>19.40</b>

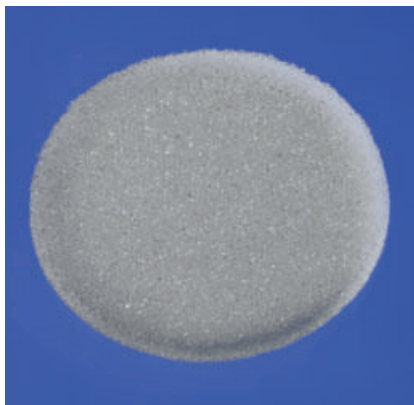
# FILTRATION

## Filter discs, quartz glass

**ROBU**



- New assortment
- Additional porosities available



The surfaces of the filter plates are ground and have an exact thickness ( $\pm 0.2$ ) as well as plane-parallel surfaces.

- Biplane
- Surfaces: plane, ground, cylindrical
- For temperatures up to more than 1000 °C

Porosity	Dimensions (dia. x H) mm	PK	Cat. No.	Price EUR
2	10 x 2.5	1	4.711 554	<b>31.25</b>
-	30 x 4	1	4.711 562	<b>70.50</b>
2	30 x 4	1	4.711 564	<b>70.50</b>

## Filter paper, qualitative, Grade 3 hw, folded filters

**SARTORIUS**



Diam. mm	PK	Cat. No.	Price EUR
125	100	9.049 403	<b>41.90</b>
150	100	9.049 404	<b>41.90</b>
185	100	9.049 405	<b>41.90</b>
240	100	9.049 406	<b>71.40</b>
270	100	9.049 407	<b>78.50</b>
320	100	9.049 408	<b>103.00</b>

## LLG-Fast filtration funnels with internal ribs, PP



**LLG**  
LABWARE



Autoclavable at 121 °C and 1.1 bar for 30 minutes. The spiral-shaped inner rib prevents air pockets and filter paper adhesion, and increases the filtration speed.

Funnel diam. mm	Shaft diam. mm	For filter paper diam. mm	Stem length mm	PK	Cat. No.	Price EUR
40	6	55 - 70	40	10	9.251 191	<b>8.70</b>
60	8	70 - 90	60	10	9.251 192	<b>16.00</b>
80	8	125 - 150	80	10	9.251 193	<b>20.60</b>
80	9	125 - 150	150	10	9.251 197	<b>24.00</b>
100	10	150 - 185	100	10	9.251 194	<b>23.10</b>
120	16	185 - 240	120	10	9.251 195	<b>30.20</b>
150	16	240 - 270	150	10	9.251 196	<b>41.50</b>

## Membrane filters, cellulose acetate



**SARTORIUS**



Type 111. Resistant to steam sterilisation up to 134 °C, or in dry heat up to 180 °C. Very low adsorption (important when filtering proteinaceous solutions). Suitable for particle removal and ultracleaning of aqueous solutions, methanol, ethanol, high-grade alcohols and residue analysis of fuels and oils. The extractable content of these filters makes up <1% of their weight. Other pore sizes and formats available on request.

Diam. mm	Pore size µm	PK	Cat. No.	Price EUR
25	0.20	100	9.053 064	<b>109.00</b>
25	0.45	100	9.053 044	<b>109.00</b>
47	0.20	100	9.053 068	<b>146.00</b>
47	0.45	100	9.053 048	<b>146.00</b>
50	0.20	100	9.053 069	<b>157.00</b>
50	0.45	100	9.053 049	<b>157.00</b>



## USB Handheld microscope AM7915MZTL Edge



- For material testing
- High image resolution

**Dino-Lite**  
Digital Microscope



Dino-Lite digital USB microscopes are powerful, portable and easy to use for many different applications in the Industry and for Material Sciences.

- USB 2.0, maximum 30 fps
- 1.3 or 5 MP image resolution
- Edge sensor for very low image errors or vignetting
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Automatic Magnification Reading (AMR)
- Adjustable Polariser
- Flexible-LED-Control (FLC)

### Scope of supply:

Protective cover, slide micrometre with calibration, manual

Resolution	Magnification	Lighting	PK	Cat. No.	Price
5.0 MP	10x ... 140x	LED, white	1	6.285 930	<b>EUR 1,169.00</b>

## Light Microscopes Educational-Line OBT 106

**KERN**



The fully equipped all-round compound microscope for school, training and laboratories.

- Binocular
- Widefield Eyepiece: WF 10x/18 mm
- Diopter adjustment one-sided (for binocular models)
- Coarse and fine focusing on both sides
- Dimmable 1 W LED illumination
- Dust Cover and should be instruction manual
- Different colour filters as accessories are available

Total dimension (W x D x H): 195 x 147 x 325 mm  
Weight: 2.5 kg  
Power supply: 230 V/50 Hz, battery (optional)

Description	PK	Cat. No.	Price
Achromatic objective 4x, 10x, 40x, 100x	1	4.670 978	<b>EUR 380.00</b>

## LLG-Staining jars, soda-lime-glass

Schiffdercker staining jar:  
For 20 microscope slides 76 x 26 mm, horizontal

Hellendahl staining jar:  
For 16 microscope slides 76 x 26 mm, vertical

Makro staining jar:  
For 20 microscope slides with 76 x 26 mm  
(please order rack separately)

Rack, stainless steel, for Makro staining jar:  
With long handle, for 20 microscope slides 76 x 26 mm, horizontal

Each staining jar is supplied with a glass lid.



Type	Dimensions (W x D x H) mm	PK	Cat. No.	Price
Schiffdercker staining jar	87 x 74 x 40	1	9.163 250	<b>EUR 18.67</b>
Hellendahl staining jar	60 x 60 x 105	1	9.163 251	<b>EUR 18.06</b>
Makro staining jar	105 x 90 x 75	1	9.163 252	<b>EUR 32.65</b>
Rack, stainless steel, for Makro staining jar	85 x 70 x 20	1	9.163 253	<b>EUR 41.63</b>

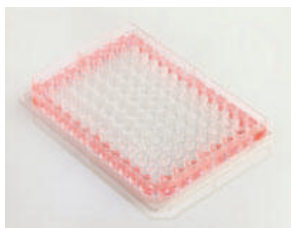
CO<sub>2</sub> Incubators with Chambers  
HERAcell™ 150i, 240i

- Reliable
- Simple operation



Protect valuable samples while optimising cell growth. CO<sub>2</sub> incubators with stainless steel or copper chambers provide the ideal in-vitro environment. Clean, reliable and easy to use, they feature fast recovery characteristics and a convenient touchscreen user interface.

Type	PK	Cat. No.	Price EUR
HERAcell 150i CO <sub>2</sub> single chamber incubator, stainless steel inner chamber, 230 V, 50/60 Hz	1	4.672 663	<b>12,100.00</b>
HERAcell 150i CO <sub>2</sub> single chamber incubator, copper inner chamber, 230 V, 50/60 Hz	1	4.672 664	<b>14,100.00</b>
HERAcell 240i CO <sub>2</sub> single chamber incubator, stainless steel inner chamber 230 V, 50/60 Hz	1	4.672 665	<b>17,500.00</b>
HERAcell 240i CO <sub>2</sub> single chamber incubator, copper inner chamber, 230 V, 50/60 Hz	1	4.672 666	<b>19,300.00</b>

96-well plate Nunc™ Edge 2.0,  
with flat bottom, PS

Minimise plate evaporation through the uniquely engineered design of Thermo Scientific™ Nunc™ Edge-96 Well Plate.

- Reduced Edge Effect virtually eliminates evaporation in lengthy incubations
- Overall plate evaporation rate reduced to <2% after seven days of incubation
- Perimeter moat can be filled with 1.7 mL sterile H<sub>2</sub>O or media
- Low background fluorescence, ideal for optical instruments
- Untreated or cell culture-treated hydrophilic surface (Nunc™ Δ)

Material: Polystyrene  
Total well volume: 400 µL

Description	Surface	Sterile	PK	Cat. No.	Price EUR
with lid	Nunc™ Δ	+	50	6.283 122	<b>150.00</b>
with lid	Non-treated	+	50	6.283 126	<b>120.00</b>
with lid	Nunc™ Δ	+	160	6.283 123	<b>425.00</b>
without lid	Nunc™ Δ	+	50	6.283 125	<b>129.00</b>
without lid	Nunc™ Δ	+	160	6.283 124	<b>397.00</b>
with lid	Non-treated	+	160	6.283 127	<b>352.00</b>
without lid	Non-treated	+	50	6.283 130	<b>103.00</b>
without lid	Non-treated	+	160	6.283 128	<b>331.00</b>
with lid	Non-treated	-	160	6.283 131	<b>319.00</b>
without lid	Non-treated	-	160	6.283 129	<b>327.00</b>

Swing-out rotor TX-400, TX-750 and  
TX-1000 Cell culture package

- Ideal for centrifugation of cells
- For centrifuges with rotor cross



Rotor package for universal centrifuges with rotor cross, buckets, lids and adapters.

**TX-400:** for Multifuge™ X1, X1 pro/Sorvall X1, X1 Pro/Megafuge™ ST1 Plus/ Sorvall ST1 Plus/Megafuge™ 16/ Sorvall 16

**Scope of supply:** Swing-out rotor TX-400, 4 x round bucket 400 ml, 4 x aerosol-tight ClickSeal lid, 4 x adapter for 9 x 15 ml conical tubes, 4 x adapter for 4 x 50 ml conical tubes

**TX-750:** for Multifuge™ X3, X4 pro/Sorvall X3, X4 Pro/Megafuge™ ST4 Plus/ Sorvall ST4 Plus/Megafuge™ 40/ Sorvall 40

**Scope of supply:** Swing-out rotor TX-750, 4 x round bucket 750 ml, 4 x aerosol-tight ClickSeal lid, 4 x adapter for 14 x 15 ml conical tubes, 4 x adapter for 7 x 50 ml conical tubes

**TX-1000:** for Multifuge™ Sorvall X4 Pro, Sorvall X4F Pro (Standmodelle), Sorvall X3, Megafuge™ Sorvall ST4F Plus (Standmodelle), Sorvall ST4 Plus, Sorvall 40

**Scope of supply:** Swing-out rotor TX-1000, 4 x bucket 1000 ml, 4 x aerosol-tight ClickSeal lid, 4 x adapter for 24 x 15 ml conical tubes, 4 x adapter for 10 x 50 ml conical tubes

Type	PK	Cat. No.	Price EUR
TX-400 Cell culture package	1	6.323 336	<b>5,170.00</b>
TX-750 Cell culture package	1	6.494 188	<b>5,610.00</b>
TX-1000 Cell culture package	1	6.494 189	<b>6,210.00</b>

Cell Culture Flasks EasYFlask™, treated,  
PS/HDPE, sterile

Cell culture flasks with culture surfaces of 25-225 cm<sup>2</sup> with Nunc™ Δ. Sloping bottle neck. Closure: Filter. Sterile.

Working volume ml	Culture surface cm <sup>2</sup>	Surface	PK	Cat. No.	Price EUR
7	25	Nunc™	200	9.390 331	<b>261.00</b>
25	75	Nunc™	100	9.390 333	<b>220.00</b>
55	175	Nunc™*	30	7.510 686	<b>119.00</b>
70	225	Nunc™*	30	6.236 539	<b>247.00</b>

\* Batch no. and cat. no. printed on each flask.

## Blades for Microtoms, stainless steel



Wide selection

micros



**MS200:** Universal blade with plasma coating for daily routine, suitable for all types of tissue.

**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.

**MS33:** Blade for applications where extremely thin, high-quality sections are required. Suitable also for skin biopsy.

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

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

Type	Description	PK	Cat. No.	Price EUR
MS200	Low Profile	50	6.270 924	96.60
MS300	Low Profile	50	6.310 681	103.33
MS33	Low Profile	50	6.270 926	103.33
MS24	Low Profile	50	6.270 927	103.33
HP	High Profile Plasma	50	4.670 750	103.33

## Tissue Vial CryoELITE®, sterile



The CryoELITE® Tissue Vials are specifically designed for tissue collection, transport and storage. The vials have a flat bottom and a stippled external surface to promote easier handling.

- Lot certified RNase/DNase and Endotoxin Free, assuring 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

Description	PK	Cat. No.	Price EUR
Tissue Vial CryoELITE®, 5 ml, sterile	250	4.658 776	444.45

## Rotary Microtome RAZOR, manual

micros



Ideal for paraffin cuts



Rotary Microtomes with disposable blades for paraffin sections for routine and research. Micro and coarse advance movements in enclosed housing. Coarse advance left side. Optimum specimen guidance by maintenance-free cross roller guides. Safety lock on the hand wheel. Section thickness adjustment from 0.5 µm to 60 µm in defined steps. Precise guide way and clamping device for knifeholder with optimum sliding capability and prism guide.

The rotation of the hand wheel is light and smooth, and ensures an ergonomic handling of the instrument, which greatly reduces the operator's intensity in the sectioning job. The hand wheel locking is conveniently integrated in the wheel and is designed for one-thumb use. The compact ergonomic design offers space for using different application tools.

**Scope of supply:** Microtome Base with Knife Holder Base, Disposable Blade Holder Basic, Changeable clamping plate, Adapter Piece (fixed), Universal Cassette Clamp, Wooden Transport Box, 50 Microtome Blades MS100

**The microtome blades MS200 (article no.: 6.270 924) and other suitable blades are available as accessories.**

## Specifications

Vertical stroke:	70 mm
Horizontal stroke:	40 mm
Section thickness:	0.5 to 60 µm
Section thickness setting:	0.5 to 2 µm, 0.5 µm increments 2 to 10 µm, 1 µm increments 10 to 20 µm, 2 µm increments 20 to 60 µm, 5 µm increment
Coarse advance:	manually by hand wheel left side
Object orientation:	X- and Y-axes 8°, Z-axes 360°
Object retraction:	on upward movement 80 µm

Dimensions (W x D x H)	Weight	PK	Cat. No.	Price EUR
mm	kg			
460 x 460 x 280	36		6.270 919	11,440.00

## Histology cassettes, POM

Kartell



Tissue embedding cassettes for paraffin inclusions. With a 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	106.16
blue	28 x 40 x 6.8	500	6.280 220	106.16
yellow	28 x 40 x 6.8	500	6.284 765	106.16
red	28 x 40 x 6.8	500	6.284 766	106.16
green	28 x 40 x 6.8	500	6.284 767	106.16
pink	28 x 40 x 6.8	500	6.226 853	106.16
white	28 x 40 x 13.6	100	7.910 449	40.88
green	28 x 40 x 13.6	100	6.284 772	40.88
pink	28 x 40 x 13.6	100	6.284 773	40.88

## Gel electrophoresis tank MultiSUB Mini



The MultiSUB mini is the smallest device in the series, designed for small and medium sample volumes. The small buffer volume of 225 ml increases the effectiveness of the analysis.

**Supplied with:** Chamber with platinum electrodes, UV carrier 7 x 10 cm, 2 combs (8 teeth).

### Specifications

Gel dimensions (W x L):	7 x 10 cm
Unit dimensions (W x L x H):	21 x 9 x 9 cm
Max. sample capacity:	64 samples
Buffer volume:	225 ml

Description	PK	Cat. No.	Price
MultiSUB Mini 10	1	9.584 650	<b>EUR 469.26</b>

## Power supply nanoPAC-300 Mini for gel electrophoresis tanks



The nanoPAC-300 is capable of running all Cleaver 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

Type	Rating	Supply requirements	PK	Cat. No.	Price
nanoPAC-300P Mini	60 W	300 V / 400 mA	1	6.272 711	<b>EUR 583.26</b>

## Blue- and white light LED-Transilluminators

Powerful LED lighting arrays for blue (470 nm) and white (broad wavelength) illumination to image fluorescent and colourimetric gels. Well-suited for teaching labs in universities and schools. Compatible with blue light-excited safe DNA stains, as well as traditional stains such as ethidium bromide.

- Magnetic filter compatible with a wide range of DNA stains
- 3-level adjustable LED intensity
- Automatic power-off to prevent heat build-up

### Scope of supply:

Transilluminator, orange-hinged filter, paper hood

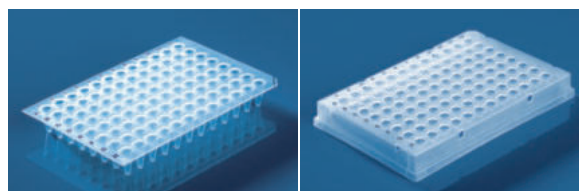


### Specifications

Wavelength:	470 nm + white light
Viewing size:	120 x 180 mm
Dimensions (W x D x H):	220 x 185 x 30 mm
Input voltage:	12 V, 2 A
Power supply:	110 ... 240 V

Type	PK	Cat. No.	Price
proBLUEVIEW	1	4.670 749	<b>EUR 844.90</b>

## 96 well PCR-Plates, PP, for PCR or qPCR



9.409 247

9.409 351



The rims of the wells are designed to protect against cross-contamination, allowing a reliable seal with the sealing mats tailored to the plates. With a blue alphanumeric code and a cut corner for easy orientation, or as indicated.

### 96-well, non-skirted

PP. 0.2 ml wells. 96-well non-skirted PCR plates are suitable for most commercially available thermocyclers.

### 96-well, semi-skirted

PP. 0.2 ml wells. 96-well semi-skirted PCR plates can easily be labelled or tagged with a barcode.

### 96-well, skirted

PP. 0.2 ml wells. 96-well skirted PCR plates are especially rigid and are optimally suited for use with automatic pipetting systems and for transport.

Description	Volume	Cut corner	PK	Cat. No.	Price
	ml				<b>EUR</b>
Low Profile, non-skirted	0.15	H12	50	9.409 247	<b>184.15</b>
Low Profile, semi skirted	0.15	A12	50	9.409 256	<b>184.15</b>
Low Profile, fully skirted*	0.15	H1	50	9.409 351	<b>311.85</b>
Standard profile, non-skirted	0.20	A12	50	9.409 254	<b>184.15</b>
Standard profile, semi skirted	0.20	A12	50	9.409 264	<b>184.15</b>

\* Black alphanumeric code, no additional markings on the cut corner.



## Microbiological rapid tests Lovibond® Dipslides



The Lovibond® Dipslides are designed to test both liquids and surfaces. These dual-sided Dipslides are available in a wide range of media types. They are ideal for use in many applications, including evaporative cooling towers, closed water circuits, cutting fluids, food testing, and many more.

Description	PK	Cat. No.	Price
			<b>EUR</b>
TTC/TTC for total viable count (TVC)	10	6.282 520	<b>27.20</b>
TTC/MALT for Yeast, Moulds, Fungi, TVC	10	6.282 521	<b>27.20</b>
TTC/ROSE for Yeast, Moulds, Fungi, TVC	10	6.282 522	<b>27.20</b>
TTC/MAC for coliforms, TVC	10	6.282 523	<b>27.40</b>
TTC/E.COLI for E. coli/coliforms, TVC	10	6.282 524	<b>48.30</b>
PDM/MAC for Pseudomonas species, coliforms	10	6.282 525	<b>48.50</b>
TTC/PDM for Pseudomonas species, TVC	10	6.282 526	<b>48.50</b>
SRB for Sulphate-reducing bacteria	10	6.282 527	<b>73.90</b>
R2A/R2A - TTC for testing of potable water	10	6.282 529	<b>27.40</b>

## Culture flasks, glass DURAN®, straight neck



DURAN®. Erlenmeyer. Straight neck. Suitable for metal caps. Glass Type I/neutral glass as per USP, EP and JP. With the retrace code (Batch Identification). Autoclavable.

Capacity	Diam.	Neck diam.	Height	PK	Cat. No.	Price
ml	mm	mm	mm			<b>EUR</b>
100	64	38	114	1	9.010 472	<b>22.69</b>
200	79	38	138	1	9.010 473	<b>24.43</b>
250	85	38	149	1	9.010 474	<b>25.11</b>
300	87	38	161	1	9.010 475	<b>12.43</b>
500	105	38	183	1	9.010 476	<b>15.62</b>
1000	131	38	229	1	9.010 477	<b>32.59</b>

## Incubator Lovibond® DI 10



Designed for the reliable incubation of dipslides in laboratories and field work.

- Low voltage, in-car operation possible
- Holds up to 12 dipslides or 10 quanti-discs
- Excellent temperature stability
- Programmable incubation period setting
- LCD Temperature display with up/down push button control
- Rapid heating times for fast testing
- External status LEDs

**Scope of supply:** Incubator incl. external 12 V universal power supply, set of leads (UK, EU, US), 12 V in-car power adapter

Temperature range: ambient +5 ... +40 °C (±0.5 °C )  
 Dimensions (W x D x H): 246 x 215 x 162 mm  
 Weight: 1.7 kg  
 Power supply: 110/220-240 V or 12 V

Type	PK	Cat. No.	Price
			<b>EUR</b>
Lovibond® DI 10	1	6.291 192	<b>609.77</b>
Dipslide-Holder	1	6.274 399	<b>142.24</b>

## LLG-Inoculation loops, PS, sterile



LLG-Inoculation loops are ideal for picking up single isolated colonies for inoculation of culture media.

- Ergonomic shape
- Sterile

For research and development only.

Length	Nominal capacity	Colour	Form	PK	Cat. No.	Price
mm	µl					<b>EUR</b>
195	1	dark green	Eyelet, fixed	1000	4.691 889	<b>65.70</b>
195	10	blue	Eyelet, fixed	1000	4.691 890	<b>65.70</b>
195	1	light green	Eyelet, flexible	1000	4.691 891	<b>65.70</b>
195	10	light blue	Eyelet, flexible	1000	4.691 892	<b>65.70</b>

## Digital torque measurement



Optimised for torque testing of bottles and other packaging with screw caps.

- Can be used in both directions of rotation
- Peak hold function for recording the peak value, or track function for continuous measurement display
- AUTO-OFF function
- LCD graphic display with backlighting
- Memory content can be transferred to the PC via optional software
- USB and RS-232 data interface
- Rubber feet with an anti-slip function

**Scope of supply:** Digital torque measurement, four bottle mounts with rubber coat, sturdy carry case

Type	Measuring range	Readability	PK	Cat. No.	Price
					EUR
DA 5-3	5 Nm	0.001	1	4.676 254	1,990.00
DA 10-3	10 Nm	0.002	1	6.285 947	1,970.00

## Light measuring instrument SP



For measuring the illumination of office and production workstations.

- Photo sensor: Silicon diode, filtered
- Cosine correction for angular incident light
- Data-hold function, to freeze the current measurement
- Rotating sensor unit (+ 90 and -180°) for optimum alignment to the light source
- TRACK function for continuous recording of variable environmental conditions
- Peak Hold Mode to capture peaks
- Selectable measuring units: fc (foot-candle), lx
- Battery operation

**Scope of supply:** Light measuring instrument, soft box with light protection, 9 V block

Measuring range	External dimensions (W x D x H) mm	PK	Cat. No.	Price
				EUR
200 ... 200.000 lx	185 x 68 x 38	1	4.691 198	105.00

## Sound level meter SU 130, class II



Sound level meter for noise measuring.

- Delivered in a hard carrying case
- Multi-measuring functions: Lp: Standard sound level measuring function, Leq: Energy equivalent sound level measuring mode (type A), Ln: Shows the deviation from a pre-defined limit in %
- Track function for continuous recording of variable environmental conditions
- Internal memory for measured values, for 30 measurements. Can be displayed on the PC
- Data interface RS-232, included

### Specifications

Measuring range:	
Lp A, Lp C/Lp F, Leq:	to 130 dB
Ln:	0 to 100%
Readability:	0.1 dB
Power supply:	4 x 1.5 V AAA (not included)

Type	PK	Cat. No.	Price
			EUR
Sound level meter SU 130, class II	1	6.270 977	120.00

## Shore hardness testers, analogue, HB



Compact handheld durometer for plastics with drag indicator.

- Max mode: Holds the maximum value in the display
- Point mode: Shows one instant value
- Screws to screw on to the TI: M7 fine thread
- Delivered in a plastic carrying case

**Shore A** for rubber, elastomers, neoprene, silicone, vinyl, soft plastics, felt, leather and similar materials

**Shore A0** for foams, sponges

**Shore D** for plastics, synthetic resin, Resopal®, epoxides, Plexiglas®, etc.

### Specifications

Precision:	3% of max. measured value
Dimensions (W x D x H):	60 x 25 x 115 mm
Net weight:	approx. 160 g

Type	Measuring range	Readability	PK	Cat. No.	Price
					EUR
HBA 100-0	100 HA	1.0 HA	1	6.284 083	125.00
HBO 100-0	100 HA0	1.0 HA0	1	6.312 365	130.00
HBD 100-0	100 HD	1.0 HD	1	6.270 975	170.00

## Conductivity meter FiveGo™ F3



METTLER TOLEDO



- For use in the field
- Ergonomic

Portable conductivity meter.

- Measurement made easy: A large, well-structured display, intuitive button arrangement, and simple menu ensure measurements can be performed in just a few clicks
- IP67 Water and dustproof: The IP67 waterproof protection makes the FiveGo portables able to withstand wet and demanding environments

### Supplied with:

**F3-Standard kit:** Meter with LE703 sensor

**F3-Field kit:** Meter with LE703 sensor, carrying case

### Specifications

#### Conductivity

Measuring range: 0.00  $\mu$ S/cm ... 200 mS/cm

Accuracy:  $\pm 0.5\%$  of the measured value

#### Temperature

Measuring range: 0 ... 100 °C

Accuracy:  $\pm 0.5$  °C

#### TDS (Total Dissolved Solids)

Measuring range: 0.01 mg/l ... 200 g/l

Temperature compensation: Linear 0.00 ... 10.00%/°C, reference temperature 20 and 25 °C

Calibration: 1 point, 3 predefined standards

Memory size: 200 measurements, current calibration

IP code: IP 67 (meter + sensor)

Type	PK	Cat. No.	Price
			EUR
F3-Standard kit	1	6.280 116	600.00
F3-Field kit	1	6.280 117	650.00

## Laboratory instrument inoLab® pH 7310



- Top seller
- Optional with printer



pH measurement with reliable documentation, also with a built-in printer on request. The mini USB-B interface ensures fast data transfer to a PC. An in-built data memory can store up to 5000 GLP-compliant data with time, date and ID.

**Scope of delivery:** device, stand, data transfer cable and plug-in power supply unit.

### Specifications

Ranges: All values  $\pm 1$  digit

pH: -2.0 ... 20.0  $\pm 0.1$  pH

-2.00 ... 20.00  $\pm 0.01$  pH

-2.000 ... 19.999  $\pm 0.005$  pH

mV:  $\pm (1200.0 \pm 0.3)$  mV

$\pm (2500 \pm 1)$  mV

Temperature: -5.0 ... 105.0 °C  $\pm 0.1$  °C

Calibration: 1-, 2-, 3-, 4-, 5 point WTW technical. DIN, NIST and 20 additional buffer sets

Display: LCD Graphic, backlit

Memory: manual 200/5000 automatic

Logger: manual/time controlled

Interface: Mini USB-B

Power supply: Universal power supply, 100 ... 240V, 50/60 Hz, 4 x 1.5V AA or 4 x 1.2V NiMH

Type	Description	PK	Cat. No.	Price
				EUR
pH 7310	Meter only incl. accessories	1	9.920 100	1,258.00
pH 7310 Set 2	Meter incl. SenTix® 41 and accessories	1	9.920 101	1,372.00
pH 7310 Set 4	Meter incl. SenTix® 81 and accessories	1	9.920 102	1,402.00
pH 7310 BNC	Meter only incl. accessories	1	9.920 103	1,283.00
pH 7310P	Meter incl. integrated printer	1	9.920 104	1,749.00
pH 7310P BNC	Meter with integrated printer, incl. accessories, BNC input	1	9.920 107	1,862.00

## LLG-Conductivity Solutions



- Values stated at 25 °C: Accuracy  $\pm 1\%$
- Directly traceable to NIST
- Certificate including actual value, expiration date and uncertainty of measurement

Type	Capacity	PK	Cat. No.	Price
	ml			EUR
84 $\mu$ S/cm	500	1	9.040 861	36.30
147 $\mu$ S/cm	500	1	9.040 862	36.30
1.413 $\mu$ S/cm	500	1	9.040 863	36.30
12.880 $\mu$ S/cm	500	1	9.040 864	36.30

## LLG-Electrolyte solutions, KCl



Potassium chloride electrolyte for pH electrodes - Filling solution for reference electrolyte.

Type	Capacity	PK	Cat. No.	Price
	ml			EUR
3 mol/l	1000	1	9.041 370	28.20
3 mol/l	250	1	9.041 371	16.60
3 mol/l, (AgCl saturated.)	250	1	9.041 372	20.50

## Mortar grinder PULVERISETTE 2



**FRITSCH**



- Wide range of applications
- Broad range of accessories

For dry and wet grinding of hard, medium-hard, soft, brittle and temperature-sensitive samples. With liquid nitrogen, it also grinds difficult samples with a moist, fibrous or elastic structure. It is also ideal for mixing and homogenising organic and inorganic solids and liquids.

- Reproducible and accurate grinding results
- Precise adjustment and readout of the pestle pressure
- Short grinding and mixing times
- Loss and dust-free

Max. feed size: 8 mm  
 Max. sample quantity: up to 190 ml  
 Final fineness: 10 ... 20 µm  
 Supply requirements: 100-120/200-240 V/1~, 50/60 Hz, 300 W  
 Dimensions (W x D x H): 310 x 460 x 410 mm  
 Net weight: 24 kg

Min. speed	Max. speed	Max. Feed quantity/ Flow rate	PK	Cat. No.	Price
rpm	rpm	ml			EUR
70	80	190	1	9.738 200	<b>6,217.43</b>

The mortar and pestle must be ordered additionally.

## Accessories for PULVERISETTE 2



Material	PK	Cat. No.	Price
			EUR
Grinding set stainless steel	1	9.738 235	<b>2,756.94</b>
Grinding set hard porcelain	1	9.738 240	<b>1,602.75</b>
Grinding set Sinterkorund (99.7% Al2O3)	1	9.738 215	<b>2,893.54</b>
Grinding set Tungsten carbide	1	9.738 225	<b>11,258.35</b>
Grinding set Hardened chrome steel	1	9.738 230	<b>2,035.76</b>

## Disposable double scoop spatula LaboPlast®/SteriPlast®, PS



**bürkle**



White. Contents 1.0 and 0.25 ml, spatula width 11 mm on one side, 5.7 mm on the other.

- SteriPlast®: Individually packed, additionally gamma-sterilised
- Production, assembly and packaging according to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines

Type	Length	Sterile	PK	Cat. No.	Price
	mm				EUR
LaboPlast®	180	-	100	6.284 545	<b>23.35</b>
SteriPlast®	180	+	100	6.284 546	<b>58.15</b>

## Disposable spoon spatula LaboPlast®/SteriPlast®, PS



**bürkle**



White. The spoon spatula is a double spatula with a 0.5 ml spoon and a 17 mm spoon blade. Specially designed for disposable use, resistant to chemicals and corrosion-proof.

- SteriPlast®: Individually packed, additionally gamma-sterilised
- Production, assembly and packaging according to Cleanroom class 7 (10000)
- According to EU food and FDA guidelines

Type	Length	Sterile	PK	Cat. No.	Price
	mm				EUR
LaboPlast®	178	-	100	6.284 543	<b>23.35</b>
SteriPlast®	178	+	100	6.284 544	<b>58.15</b>



## Disperser T 10 battery ULTRA-TURRAX®



- Wireless
- Large display
- For small volumes

The battery-operated, cordless disperser is suitable for small volumes up to 100 ml (H<sub>2</sub>O) and can even be operated in a microcentrifuge tube. The T 10 battery is ideal for on-site sampling operations. It is also suitable as a tissue homogeniser for breaking down complex tissues.

- Large TFT display
- Precise speed setting with numerical values
- Timer and counter functions for reproducible and precise operation
- Rechargeable battery with two charging options: either directly through a USB-C cable or via a charging clamp

Please order dispersing heads separately.



**New**

Volume ml	Rotation speed rpm	Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR
0.5 ... 100	8,000 ... 30,000	53 x 70 x 239	1	4.714 304	<b>1,090.00</b>

## Dispersing heads Ultra Turrax® for T 10 basic



S 10 N - 10 G

Dispersing heads, plastic: Autoclavable. Dispersing heads, stainless steel: Ultimate fineness: emulsions 1 to 10 µm and suspensions 5 to 25 µm, sterilisable by all methods. ST tools are recommended for use with tissue and other fibrous materials.

Type	Working volume ml	Diam. rotor / stator mm	PK	Cat. No.	Price EUR
S 10 N - 5 G	0.5 ... 10	3.8 / 5	1	7.631 964	<b>1,527.00</b>
S 10 N - 8 G	1 ... 50	6.1 / 8	1	6.225 614	<b>1,527.00</b>
S 10 N - 8 G ST	1 ... 50	6.1 / 8	1	4.656 091	<b>1,653.00</b>
S 10 N - 10 G	1 ... 100	7.6 / 10	1	6.225 477	<b>1,527.00</b>

## Ultrasonic homogeniser, SONOPULS HD 4100



### Complete set

- LC display for amplitude, pulse level, time and power
- Batch mode/sequencing
- Temperature display and measurement
- Remote control via PC RS-232

Ready-to-operate set for volumes from 3 to 50 ml, consisting of:

- HF generator  
GM 4200
- Ultrasonic converter  
UW 100
- Standard horn  
SH 100 G
- Titanium probe  
TS 103,  
diam. 3 mm



Further Titanium probes with diam. 2 mm, 4.5 mm, 6 mm, 9 mm and 13 mm available on request.

The stand HG 40 is required to attach the ultrasonic converter. Please order separately.

### HF generator

Dimensions (W x D x H):

### Converter

Dimensions (diam. x L):

Ultrasonic nominal power:

### GM 4200

150 x 335 x 220 mm

### UW 100

70 x 150 mm

max. 100 W

Type	Plug type	PK	Cat. No.	Price EUR
SONOPULS HD 4100	EU	1	9.650 152	<b>4,624.00</b>
SONOPULS HD 4100	UK	1	6.494 501	<b>4,624.00</b>
SONOPULS HD 4100	CH	1	6.494 502	<b>4,624.00</b>

Stand and vessel are not included.



## Accessories for SONOPULS HD 4100

The stand is used for the correct and variable positioning of the ultrasonic transducers.

Type	PK	Cat. No.	Price EUR
HG 40	1	4.672 126	<b>959.00</b>

## Soundproof box LS 40

To reduce the noise level when sonicating samples with an ultrasonic homogeniser. The lower part of the interior and the removable bottom tray are made of stainless steel and are therefore chemically resistant and easy to clean.

- Noise reduction of up to 30 dB-AU
- LED interior lighting
- With an opening (40 x 70 mm) for cooling tubing, sample circulation or the SONOPULS temperature sensor on the back
- Removable bottom tray

Type	Plug type	For	PK	Cat. No.	Price EUR
LS 40	EU	HD 2000.2 / HD 3000 / HD 4000	1	4.672 127	<b>2,183.00</b>
LS 40	UK	HD 2000.2 / HD 3000 / HD 4000	1	4.683 963	<b>2,183.00</b>
LS 40	CH	HD 2000.2 / HD 3000 / HD 4000	1	4.683 962	<b>2,183.00</b>



**BANDELIN**



For ultrasonic  
homogenizers

The stand HG 40 is required to attach the ultrasonic converter. Please order separately.

LLG-Disposable Gloves *classic*, LatexEN ISO 374-1 EN ISO 374-5 EN 420  
Type C

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

- Powder-free
- Excellent tactile sensitivity
- **Cat. III Low Chemical resistant.** AQL 1.5.

According to EN ISO 374-1:2016/Type C, EN ISO 374-5:2016, 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
			EUR
S	100	9.006 383	14.90
M	100	9.006 384	14.90
L	100	9.006 385	14.90
XL	90	9.006 386	14.90

## LLG-Glove dispenser for 1 or 3 boxes, acrylic glass



LLG glove dispensers are suitable for glove packs with dimensions approximately 240 x 75 x 125 mm, with front insert or side slot. High-quality, sturdy design. Mounting material included.

Qty.	Description	Dimensions (W x D x H) mm	PK	Cat. No.	Price
					EUR
1	from the side	250 x 85 x 136	1	4.712 226	45.90
3	from the front	260 x 90 x 405	1	4.712 225	65.90
3	from the side	280 x 85 x 460	1	4.712 227	89.90

## Nitrile gloves Kimtech™ Polaris™



Kimtech™ Polaris™ nitrile gloves are designed for use in laboratories, life science applications and non-sterile pharmaceutical production environments.

- High-quality synthetic nitrile rubber (acrylonitrile butadiene)
- Powder-free
- Splash protection against chemicals and chemotherapy drugs
- Textured fingertips for good grip in wet and dry conditions
- Cuff with rolled edge for extra strength and easier donning
- Ambidextrous
- Virus protection
- Length: 250 mm; Thickness: 0.15 mm
- AQL: 0.65

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

Size	PK	Cat. No.	Price
			EUR
XS (5.5 - 6)	100	4.697 022	25.00
S (6.5 - 7)	100	4.697 023	25.00
M (7.5 - 8)	100	4.697 024	25.00
L (8.5 - 9)	100	4.697 025	25.00

## Safety Gloves Clavies®, Heat Protection up to 232 °C



Soft, supple and washable terry gloves made from 100% cotton. Excellent for handling hot items from autoclaves or ovens in laboratories. Heat resistant up to +232 °C. Pack of 1 pair.

Length gauntlet mm	Overall length mm	PK	Cat. No.	Price
				EUR
130	330	1	9.005 271	81.09
280	470	1	9.005 272	109.83

## BARIMASK C3V respiratory mask



**BARTELS  
RIEGER**

For protection against liquid and solid particles

- Basket mask with exhalation valve
- Complies with EN 149:2001+A1:2009
- Two adjustable headbands
- Adjustable nose clip
- Foam padding in the nose area

Protection-level	PK	Cat. No.	Price
			EUR
FFP3	5	6.493 674	17.52

## LLG-Universal dispenser, acrylic glass



**LLG  
LABWARE**

LLG-Universal dispenser with hinged lid and removal opening. For clean storage of laboratory accessories, e.g. disposable hoods, overshoes or other small items. Wall mounting possible (mounting material included).

Description	Dimensions	PK	Cat. No.	Price
	mm			EUR
LLG-Universal dispenser	206 x 216 x 213	1	6.289 563	74.30

## LLG-Dispenserbox, Acrylic Glass



**LLG  
LABWARE**

With a hinged lid. For storage of laboratory tools, e.g. laboratory goggles, gloves or other small items. Wall mounting possible (mounting material included)

- For about 12 goggles

Description	Dimensions (W x D x H) mm	PK	Cat. No.	Price
				EUR
LLG-Dispenserbox	216 x 216 x 200	1	6.286 593	74.30

## LLG-Disposable Visitor Gowns, PP



**LLG  
LABWARE**

White PP nonwoven 30 g/m<sup>2</sup>, universal size with shirt collar and elastic at the wrists, latex-free, without pocket, 4 push buttons

Description	PK	Cat. No.	Price
			EUR
LLG-Visitors gown	50	6.282 796	82.50

## LLG-Working and Chemical Protective Apron Guttasyn®, PVC/PE, light grey

**LLG  
LABWARE**



Front made of PVC, back made of PE fabric. With plastic fabric tape. The PVC surface is easy to clean, hygienic, and dirt-repellent.

- Washable up to 60 °C
- PPE category III acc. to EU 2016/425
- Meets the requirements of EN 14605:2005 + A1:2009, EN ISO 13688:2013 (type PB [3] and PB [4])

Width	Length	Thickness	PK	Cat. No.	Price
mm	mm	mm			EUR
800	1000	0.45	1	4.687 061	32.50
800	1200	0.50	1	4.687 062	33.40
1000	1200	0.45	1	4.687 063	37.90

## Transport Trolley, stainless steel



**HUPFER**  
we make work flow

Stainless steel transport trolley, made of two round tube push bars, Ø 25 mm. The transport trolley is mobile on 4 swivel castors, 2 of which have brakes, Ø 125 mm, with antistatic tyres. Solid plastic deflector rollers protect against damage.

### Specifications

Max. load per shelf: 40 kg  
Shelf dimensions: 800 x 500 mm  
External dimensions (W x D x H): 895 x 595 x 950 mm

Description	Load capacity	PK	Cat. No.	Price
	kg			EUR
2 shelves, stainless steel case, 4 wheels	80	1	6.291 558	662.22
3 shelves, stainless steel case, 4 wheels	120	1	6.290 737	710.12

## Disposable Coverall BioClean™, with hood



**Ansell**

- Gamma irradiated
- Compatible with ISO Class 4
- Elasticated back and elasticated cuffs, and ankles
- With thumb loops
- Lint-free, very clean material surface
- Front zip (covered)
- Special pressure seal: no cross-contamination with printing ink when rubbed with cleaning or disinfecting solutions
- Antistatic
- Permeation tested according to ASTM F739-12

Triple packaged, 1 piece per sealed inner PE bag, 1 inner bag per sealed outer PE bag, 20 outer bags per lined carton (20 pieces)/20 bags for S-XXL, 15 bags up to 3XL

Material: Clean-Tough  
Mass: 60 g/m<sup>2</sup>

Size	Sterile	PK	Cat. No.	Price
				EUR
XS	-	20	6.492 811	231.66
S	-	20	4.661 464	231.66
M	-	20	4.661 465	231.66
L	-	20	4.661 466	231.66
XL	-	20	4.661 467	231.66
XXL	-	20	4.661 468	231.66
S	+	20	4.661 485	340.13
M	+	20	4.661 486	340.13
L	+	20	4.661 487	340.13
XL	+	20	4.661 488	340.13
XXL	+	20	4.661 489	340.13

## Mop system, IsoClean, and Telescopic handles



**PFENNIG**  
REINIGUNGSTECHNIK



IsoClean mini Mop system for cleanroom-compatible cleaning of safety cabinets and isolators

- Heat-stable, special quality plastic
- Autoclavable
- With ClinoConnect Lock
- Suitable for all PPS mop handles

### Mop Clino One Way Ultra Mini PW-I

- Single-use
- Pre-washed
- Gamma irradiated incl. certification
- GMP class A/B
- ISO class 5
- 4 pieces double packed

### Telescopic handles:

- Suitable for all PPS mop handles
- Tilting lever and hand grip made of PP, optical fibre reinforced
- Sleeve made of heat-stable special plastic
- Quick-release fastener made of stainless steel
- Autoclavable



Description	PK	Cat. No.	Price
			EUR
Mop holder Clino CR, 50 x 190 mm	1	4.671 402	82.81
Mop holder Clino GMP, 50 x 190 mm	1	4.671 404	113.53
With tilting lever, Aluminium, 500 x 700 mm	1	6.318 040	42.68
With tilting lever, with sleeve and quick-release fastener, Aluminium, 1000 ... 1800 mm *	1	4.668 000	56.71
With tilting lever, Stainless steel, 1000 ... 1800 mm *	1	6.522 077	205.07

\* for ClinoConnect and ClinoConnect Lock

## Mop covers Clino One Way Ultra PW/Clino One Way Ultra PW/I, single-use

**PFENNIG**  
REINIGUNGSTECHNIK

For all standard cleanroom and pharmaceutical floors.

- 100% PES microfiber with special structure for optimum particle absorption
- ISO class 5
- GMP class A/B
- Very high-quality processing suitable for clean rooms
- Particularly smooth-running and effective due to soft bristles
- Pre-washed and single double packaged

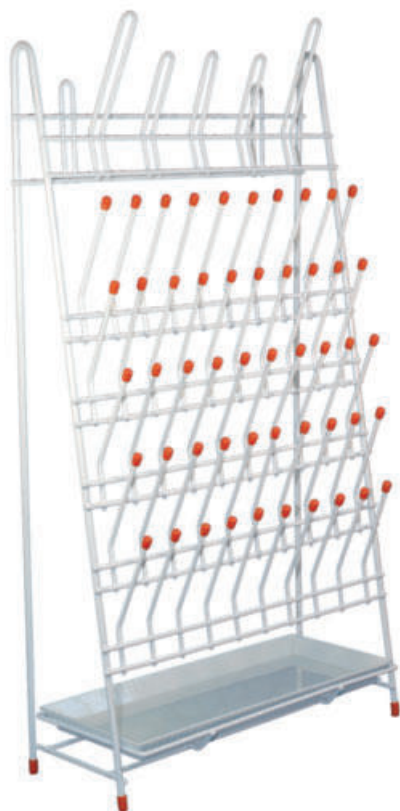


Type	Dimensions (D x W) mm	Sterile	PK	Cat. No.	Price
					EUR
Clino One Way Ultra PW-I*	400 x 120	+	5	4.668 011	30.69
Clino One Way Ultra PW	400 x 120	-	5	4.668 012	17.55

\* gamma-sterilised



## LLG-Draining racks, PE-coated wire



Wall or bench mounting for 50 reagent bottles and 5 flasks.  
With a drip channel and plastic-covered feet.  
Dimensions (L x W x H): 360 x 130 x 650 mm.

Description	PK	Cat. No.	Price
			EUR
For 50 reagent bottles and 5 flasks	1	6.281 619	98.70

## LLG-Laboratory and hygienic tissues, 2-ply, 150 wipes



Laboratory and hygienic tissues in a dispenser box

- Contains 150 white, double-ply tissues, 210 x 220 mm
- Highly absorbent and ultra-soft
- For sensitive application areas

**Carton of 30 boxes with 150 wipes**

Package contents	PK	Cat. No.	Price
			EUR
Carton of 30 boxes with 150 wipes	30	9.413 220	63.50

## Digital vertical autoclaves, AES series



- Made in the EU
- 10 sterilization programs



These autoclaves are microprocessor-controlled and monitored with 10 sterilisation programmes of which 4 are fixed and 6 are freely programmable.

- Operating temperature range 100 °C to 134 °C
- Agar modus (40 °C to 80 °C)
- Timer
- Programmable auto-start (24 h)
- Case and lid shrouding are AISI 304 stainless steel
- The sterilisation chamber, lid and sealing system are AISI 316 stainless steel
- Electrical heating with protected heating elements in the interior of the chamber
- Automatic steam controlled by a microprocessor
- Supply requirements: 230 V 16 A single phase

Type	Capacity Litres	Chamber diam. x depth mm	PK	Cat. No.	Price
					EUR
AES-28	28	300 x 400	1	9.851 894	6,213.00

## DNA AWAY™ for surface decontaminant



Eliminates unwanted DNA and DNase from glassware and plasticware without affecting subsequent DNA samples.

Type	Capacity ml	PK	Cat. No.	Price
				EUR
MBP DNA Away®	250	1	6.228 401	27.42

## LLG-Lab Chair



Washable



6.287 751



6.287 752



6.287 753

Entry model for healthy sitting! The permanent contact backrest provides the best support when working sitting down in the laboratory. The generously proportioned seat and backrest with integrated lumbar support provide additional support and therefore offer the best laboratory ergonomics.

- Resistant to disinfectants and chemicals: Resistant to all of the usual disinfectants and chemicals
- Quick adjustment: Every function can be operated comfortably and easily in a sitting position
- Seat height adjustment by gas spring
- Backrest adjustable in height and inclination
- Solid black plastic star base, flat design
- With the certificate "Tested Safety" (GS mark)
- 10-year warranty, Made in Germany

**Accessories:** Multifunctional armrests (pair):

Adjustable in height, width and depth as well as swivelling.

Type	Description	PK	Cat. No.	Price
				EUR
PU Foam	Castors	1	6.287 750	256.90
PU Foam	Glides, Foot Ring	1	6.287 751	298.10
Artificial Leather	Castors	1	6.287 753	252.70
PU Foam	Stop and Go Castors, Foot Ring	1	6.287 752	308.50
Artificial Leather	Glides	1	6.324 136	242.40
Artificial Leather	Glides, Foot Ring	1	6.287 754	294.00
Artificial Leather	Stop and Go Castors, Foot Ring	1	6.287 755	304.30
Armrests		1	6.287 756	108.30

## LLG-Trolleys, Stainless Steel



Made of CNS 18/10, material no. 1.4301. All shelves are produced with an all-around raised profile edge. This prevents anything from slipping over the edge. The load capacity per shelf is 80 kg. Wall bumpers made of plastic (polyamide) on all four corners protect against damage.

Description	Internal dimensions (W x D x H) mm	PK	Cat. No.	Price
				EUR
2 shelves, vertical spacing 585 mm	900 x 600 x 950	1	9.148 101	339.00
3 shelves, vertical spacing 275 mm	900 x 600 x 950	1	9.148 104	395.00

## Roller Stool SuperStep



The treads made of TTP are not glued or printed, but injected, meaning they are inseparably connected to the body. The non-slip material makes slipping practically impossible.

- Optimisation of the roller bar geometry
- Easy-care surface
- 10-year warranty on the body
- Repair option (roller replacement) guaranteed
- 100% recyclable
- Made in Germany
- Height without load approx. 42.8 cm
- Height with load approx. 41.5 cm
- Diameter at top approx. 29.2 cm
- At the bottom approx. 42.4 cm

Colour	PK	Cat. No.	Price
			EUR
white	1	4.714 679	79.42
black	1	4.714 680	79.42
red	1	4.714 681	79.42
blue	1	4.714 682	79.42
anthrazit	1	4.714 683	79.42
light grey	1	4.714 684	79.42

## Mini Glove Box, PMMA



- Low weight
- Transportable
- Made of acrylic glass

For easy handling of small product quantities in a closed working space. Panels and base made of acrylic glass, access openings on the sides featuring iris port access (1x right, 1x left).

### Specifications

Capacity:	34 l
External Dimensions (W x D x H):	300 x 400 x 400 mm
Internal Dimensions (W x D x H):	290 x 390 x 390 mm
Max. Load Box:	10 kg
Inlet opening:	diam. 190 mm

Type	External dimensions (W x D x H) mm	Weight kg	PK	Cat. No.	Price
					EUR
Mini Glove Box	300 x 400 x 400	5.7	1	6.283 002	1,865.85

## Test tube racks Switch-Grid™, POM



This split-frame rack holds up to two different tube sizes at the same time. The grids can be switched quickly. The test tube rack can be easily cleaned with common lab detergents, ethanol, or isopropyl alcohol.

- For test tubes 10 mm to 30 mm in diameter
- With 5 colour-coded grid inserts
- Three-tier design
- Non-slip rubber feet
- Chemical resistant
- Frames and grids are autoclavable at 121 °C

For tubes diam.	Dimensions (W x D x H)	PK	Cat. No.	Price
mm	mm			EUR
10...30	318 x 67 x 111	1	6.328 291	101.01

## Adhesive label tape Write-on™, writable



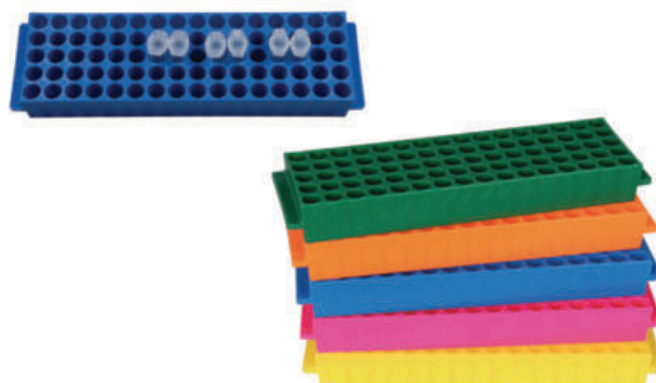
Specially coated plastic tape with adhesive backing. It can be used with any pens. Excellent adhesion to glass, metal, PE, etc. Resistant to humidity, as well as acids and alkali solutions in weak concentrations. Leaves no residue when removed.

Temperature resistance:  
Temperature resistance up to 157 °C:  
Temperature resistance up to 80 °C:  
Autoclavable:

-80 ... 157 °C  
30 min  
24 h  
at 121 °C

Width	Length	Colour	PK	Cat. No.	Price
mm	m				EUR
19	36.4	White	1	9.040 380	34.66
19	54.6	White	1	9.040 352	42.71
19	36.4	Red	1	9.040 341	34.66
19	36.4	Yellow	1	9.040 342	34.66
19	36.4	Green	1	9.040 343	34.66
19	36.4	Blue	1	9.040 344	34.66
19	36.4	Orange	1	9.040 345	34.66

## LLG-Microtube racks, PP, 80-well



Made of Heavy-duty Polypropylene. Designed to hold 1.5 ml/2.0 ml microtubes (5 x 16 arrays) in a temperature range from -80 °C to 121 °C. Moulded numbers on the surface for easy sample identification. Suitable for autoclaving at 121 °C.

Colour	PK	Cat. No.	Price
			EUR
yellow, red, blue, orange, green	5	4.672 062	25.50
yellow	5	4.672 063	25.50
red	5	4.672 064	25.50
blue	5	4.672 065	25.50
orange	5	4.672 067	25.50
green	5	4.672 068	25.50

## Hydrometer racks, PP



Rack with 10 positions for storing, drying and transporting hydrometers. The teardrop-shaped slots are labelled with identification numbers and hold hydrometers with a diameter of up to 31 mm securely in place. The 3-tier design and the stable, wide base ensure greater stability and protection. The removable drip tray makes cleaning easy. Built-in handles provide a convenient grip for safe transport in the laboratory.

Colour	Dimensions (W x D x H)	PK	Cat. No.	Price
	mm			EUR
grey	295 x 175 x 234	1	4.712 280	115.00
blue	295 x 175 x 234	1	4.712 281	115.00

## Standard PDF Data Logger EBI 300



PDF data logger with different temperature sensors.

- For temperature monitoring HACCP/IFS
- Analysis without software, as automatically generated PDF
- The simple use of the EBI 300 minimises application errors, training and IT costs
- Complies with EN 12830, ATP, VO(EG) 37/2005

**EBI 300:** PDF data logger with internal temperature sensor

**EBI 300 TE:** PDF data logger with external temperature sensor, internal temperature sensor can be used additionally

### Specifications

Ambient Temperature:	-30 to +70 °C
Measuring range Temp. EBI 300:	-30 to +70 °C
Measuring range Temp. EBI 300 TE:	-35 to +70 °C
Memory:	40.000 samples
Alarms:	2 values
IP code:	IP 65

Type	PK	Cat. No.	Price
			EUR
EBI 300	1	7.655 865	97.00
EBI 300 TE	1	6.266 911	169.00

## Infra-red thermometer ScanTemp 385



**DOSTMANN electronic GmbH**

Ideal for measuring rotating or live parts. IR measuring devices are also used in the food industry, as the products are not contaminated. Suitable for foodstuffs or sterile or aggressive media.

### Specifications

Temperature range:	-35 °C ... 365 °C
Precision:	±2% or 2 °C, the higher value counts
Response time:	< 1 sec
Operating temperature:	0 ... 50 °C
Optical resolution:	12:1
Laser:	Spot laser
Dimensions (L x W x H):	147.9 x 112.6 x 41.4 mm
Power supply:	2 x 1.5V AAA Batteries

Type	PK	Cat. No.	Price
			EUR
ScanTemp 385	1	9.851 996	48.00

## Online humidity data logger Testo 162 H1, with integrated temperature and humidity sensor



- WLAN enabled
- For temperature and humidity



**New**

Online data logger for automated temperature and humidity monitoring. Measurement values are recorded and sent directly to the testo Saveris Cloud via an existing WLAN connection. In the cloud, data loggers can be configured, limit value alarms can be set, and measurement data can be viewed and analysed. Thanks to the option of connecting to the testo Smart App, all measurement values can also be called up at any time and from anywhere using an internet-enabled smartphone, tablet or PC.

- Data transmission via WLAN
- Automatic measurement value documentation in testo Saveris Cloud
- Alerting if limit values are exceeded via email, SMS, or push notification (testo Smart App)
- Visual inspection on site, thanks to the large display
- Memory for 10000 measured values per channel

**To operate the online data logger in the testo Saveris Cloud, a valid licence (subject to a charge) must be booked (Data Monitoring Licence).**

**Scope of supply:** Online humidity data logger, micro USB cable, wall bracket with lock, 4 x AA batteries, short instructions, test protocol

Temp. range	Resolution	Dimensions (W x D x H)	Protection class	PK	Cat. No.	Price
°C	sec	mm				EUR
-30 ... 50	0.1	115 x 82 x 31	IP 30	1	4.712 365	337.00

## LLG- General-purpose thermometers, red filling



Enclosed-scale type, with eyelet. With an uncoated, prismatic measuring capillary. Red spirit filling (except 9.235 265: blue).

Measuring range	Graduations	Length	Diam.	PK	Cat. No.	Price
°C	°C	mm	mm			EUR
-10/0 ... 50	1	200	7 ... 8	1	9.235 245	16.00
-10/0 ... 100	1	260	7 ... 8	1	9.235 250	16.40
-10/0 ... 150	1	260	7 ... 8	1	9.235 255	18.00
-10/0 ... 200*	1	300	7 ... 8	1	9.235 260	20.70
-10/0 ... 250*	1	300	7 ... 8	1	9.235 265	30.30

\* Note: With these types, the colour can fade after extended periods of use at higher temperatures.





## LLG-Timer pro



**The LLG-Timer Pro can be used simultaneously as a real-time clock and timer.** The countdown timer also runs when time is visible.

- Big 6-digit LCD
- Digital stopwatch (counting up)
- Short timer (counting down)
- With memory function
- Stopwatch and countdown up to 23 h 59 min. 59 sec.
- An optical and acoustic alarm when the 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	23.10

## LLG-Dual-Timer, 2-channel



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

- Big 6-digit LCD
- 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 the 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 (with battery):	95 g
Power supply:	2 x AAA 1.5 V (not included)
Warranty:	12 months

Type	PK	Cat. No.	Price
			EUR
LLG-Dual-Timer	1	6.311 350	22.00

## LLG-Timer Triple pro



**The LLG-Timer Triple pro offers three separate timers in one instrument.** One time can be stored per channel. This Timer can be used simultaneously as a real-time clock and a timer. The countdown timer also runs when time is visible.

- Big 6-digit LCD
- Digital stopwatch (counting up)
- Short timer (counting down)
- With memory function
- Stopwatch and countdown up to 23 h 59 min. 59 sec.
- An optical and acoustic alarm when the timer expires
- Incl. magnet for mounting, hanging bracket and stand (fold-out)

Dimensions (W x H x D):	68 x 88.7 x 16.2 mm
Weight (with battery):	87 g
Power supply:	2 x AAA 1.5 V (not included)
Warranty:	12 months

Type	PK	Cat. No.	Price
			EUR
LLG-Timer Triple pro	1	6.313 417	29.20

## LLG-Short period timer with alarm



Easy-to-use combination timer and stopwatch, with large display and alarm function from/up to 99 min. and 59 sec. With a magnet for easy fixing. Battery LR 44 inclusive.

Dimensions (Ø x H):	54 x 16.5 mm
Weight:	approx. 40 g

Type	PK	Cat. No.	Price
			EUR
LLG-Short period timer with alarm	1	9.260 150	10.60

## Alkaline Batteries, Energizer® Industrial

Type	Volt	PK	Cat. No.	Price
				EUR
AAA	1.5	10	9.012 944	12.80

## Chiller DuraChill® with turbine pump



Stable and reliable cooling for a whole range of common heat dissipation applications.

- A bright, full-colour touchscreen display
- Cooling at ambient temperatures up to 30 °C
- DynamicFilter™ self-cleaning filter system
- Liquid level sensor
- UV light system to prevent growth inhibitors
- User-adjustable temperature, pressure, and flow rate alarms
- WhisperCool® noise reduction system
- Self-diagnostics service and functionality system
- Front fill reservoir
- 4 Casters, 2 of them locking

### Specifications:

Working temperature: -10 ... 70 °C  
 Temperature stability: ±0.1 °C  
 Cooling capacity: 850 ... 2900 W  
 Connectivity: RS232, status relay, dry contact  
 Power supply: 240 V, 50 Hz

Type	Pressure	Flow rate (50/60Hz) L / min.	Cooling capacity kW at 20 °C	PK	Cat. No.	Price
	bar					EUR
CA 02	1.4 ... 5.2	8.3	0.7	1	4.675 229	6,778.88
CA 03	1.4 ... 5.2	8.3	1.28	1	4.675 231	7,204.85
CA 05	1.4 ... 5.2	8.3	1.84	1	4.675 233	7,612.62

## Water baths PURA™



PURA 10

All PURA™ water baths (except PURA™ 4) have an integrated drain screw. The bright, easy-to-read white LED display is clearly visible, even from a distance. With integrated side recessed grips for easy transport and non-slip rubber feet for safe standing.

- Including platform
- Integrated timer
- Bright display with membrane keypad
- Built-in dry-running protection

### Please order bath cover separately.

Working temperature range: 18 ... 99.9 °C  
 Temperature stability: ±0.15 °C  
 Power supply: 230 V, 50 ... 60 Hz

Type	Capacity of the bath litres	Internal dimensions (W x D x H) mm	PK	Cat. No.	Price
					EUR
PURA™ 4	0.8 ... 4.5	120 x 270 x 140	1	4.667 880	911.00
PURA™ 10	1.4 ... 9.5	220 x 270 x 140	1	4.667 881	1,045.00
PURA™ 14	2.0 ... 14.0	330 x 270 x 140	1	4.667 882	1,081.00
PURA™ 22	3.4 ... 25.5	550 x 270 x 180	1	4.667 883	1,190.00
PURA™ 30	4.8 ... 36.0	770 x 270 x 180	1	4.667 884	1,430.00

## Lids for Water baths, PURA™

For model	PK	Cat. No.	Price
			EUR
PURA™ 4	1	9.857 931	161.00
PURA™ 10	1	9.857 932	202.00
PURA™ 14	1	9.857 933	215.00
PURA™ 22	1	9.857 934	262.00
PURA™ 30	1	9.857 935	317.00

## Stirred thermostatic baths Optima™ series



Complete units including stainless steel bath, bridge mounting plates and controller. For 220-240 V, 50/60 Hz.

- The thermal thermostats enable excellent temperature stability and consistency in a cooling/heating range from -15 to 120 °C
- Models with ST12, ST18 and ST26 including siphon

At temperatures between 60 and 100 °C, polypropylene balls or a lid must also be used as evaporation protection. Use above 100 °C only with the lid.

**When used for temperatures below RT, the C1G (item no. 9.920 765) or C2G (item no. 9.920 766) cooler must also be ordered.**

Type	Capacity	External dimensions (W x D x H) mm	PK	Cat. No.	Price
	l				EUR
TC120-ST5	5	180 x 330 x 395	1	9.699 651	1,689.00
TC120-ST12	12	330 x 360 x 415	1	9.699 652	1,942.00
TC120-ST18	18	330 x 540 x 415	1	9.699 653	2,049.00
TC120-ST26	26	330 x 540 x 465	1	9.699 654	2,142.00



## Orbital shaker Endeavor™ 5000



Robust orbital shaker with microprocessor control for a variety of shaking applications of small to medium-sized vessels (up to 1 L) in the laboratory. The orbital shaker is equipped with a menu to set, store, and recall multi-step programs.

- Bright, backlit LCD for speed and time
- RS232 interface for data logging and control
- Visual and audible alarm
- With timer
- Integrated overload and unbalance detection
- Maintenance-free, brushless DC motor
- Suitable for use in cold rooms and incubators
- Small footprint saves space on the lab bench
- Individually customisable with flask clamps or tube racks (please order separately)

Type	Speed range	Plate dimensions	PK	Cat. No.	Price
	rpm	mm			EUR
E51LD0420	50 ... 300	222 x 300	1	4.693 840	1,160.00

## LLG-Magnetic stirrer RCT standard 2.0, Set



- Made in Germany
- Complete set
- Top seller



- Digital-controlled speed and temperature
- Clearly arranged LED display
- Digital display of the set safety temperature limit
- Hot top indicator, hot surface warning to prevent burns
- Adjustable safety circuit of the heating plate temperature
- Connection for external PT1000 temperature probe
- Aluminium hotplate for optimal heat transfer
- USB interface
- Powerful motor
- Improved magnetic coupling
- Tested acc. to DIN EN IEC 61010-1

**Scope of supply:** Magnetic stirrer, contact thermometer ETS-D5, temperature probe PT1000, housing protection cover, stand accessories



### Specifications

Max. stirring quantity (H <sub>2</sub> O):	20 l
Speed range:	50 ... 1500 rpm
Heating plate	Ø 135 mm
Temperature range:	RT + device self-heating ... 310 °C
Heat output:	600 W
Safety temperature range:	50 ... 360 °C
Dimensions (W x D x H):	160 x 270 x 85 mm
Power supply:	220 ... 230/115/100 V, 50/60 Hz
IP code:	IP 42
Warranty:	3 years

Description	Plug type	PK	Cat. No.	Price
				EUR
LLG magnetic stirrer RCT standard 2.0, set	EU	1	6.320 411	1,340.90
LLG magnetic stirrer RCT standard 2.0, set	CH	1	6.322 748	1,340.90
LLG magnetic stirrer RCT standard 2.0, set	UK	1	6.322 749	1,340.90

## Multiposition magnetic stirrer with heating, Multi-HS digital



For synchronous stirring and heating up to 120 °C.

- CerATop™ plate - easy cleaning and maximum resistance
- Brushless motor guarantees constant speed
- SpeedServo™ technology maintains speed constant when viscosity changes
- Integral timer
- Programmable auto-reverse of the stirring direction
- Safe hot plate warnings when the plate temperature is above 50 °C
- The Lock feature prevents unintentional changes

### Specifications

Max. stirring quantity per stirring position (H <sub>2</sub> O):	400 ml // 250 ml
Number of stirring positions:	6 // 15
Temperature range:	0 ... 120 °C
Speed range:	100 ... 1000 rpm
Timer:	1 min ... 99 h : 59 min
Plate dimension:	223 x 432 mm
Distance between stirring positions:	100 mm // 74 mm
Dimensions (W x D x H):	240 x 550 x 65 mm
Power supply:	230 V/50 ... 60 Hz

Type	PK	Cat. No.	Price
			EUR
Multi-HS 6	1	4.678 195	1,607.00
Multi-HS 15	1	4.678 196	2,549.00

Rotary evaporator package RV 3 Starter Solution

IKA®

New

- !
- Complete set
  - Entry-level model



The Starter Solution package is the complete solution for rotary evaporator construction. The RV 3 rotary evaporator with manual lift is the ideal entry-level model. It is versatile and can be used in the chemical, pharmaceutical and bio-industry, in the fields of research and development, production and quality assurance, in laboratories and in plant construction. Bath heating temperature: RT to 99 °C.

**Scope of supply:** rotary evaporator RV 3 Flex, VACSTAR lite vacuum pump, VC 10 lite vacuum controller, HB eco heating bath, vertical glass condenser set with 1 l receiver and evaporator flask, RC 2 lite recirculating chiller, stand pole, set of hoses, cable

Speed range	Ultimate vacuum	PK	Cat. No.	Price
rpm	mbar			EUR
20 ... 300	9	1	4.699 401	7,482.00

Evaporating flasks with conical ground joint, DURAN®



Lenz  
 Labortechnik GmbH & Co. KG

LLG-Fork clamps for spherical joints



LLG  
 LABWARE

Made of stainless steel 304.  
 For spherical ground joint connections. With a set screw.

Size	PK	Cat. No.	Price
			EUR
S19	1	9.011 798	12.20
S29	1	9.011 799	13.90
S35	1	9.011 800	17.80

Rubber Balloon with Hose Connection

DEUTSCH & NEUMANN®



- Latex (NR)
- For Rotary Evaporators

Especially for rotary evaporators, with centre neck and conical joint, pear-shaped, material: DURAN®

Nominal capacity ml	Socket NS	Flask diam. mm	PK	Cat. No.	Price
					EUR
50	29/32	56	1	9.196 020	20.23
100	29/32	60	1	9.196 024	24.62
250	29/32	81	1	9.196 036	42.78
500	29/32	101	1	9.196 044	49.29
1000	29/32	126	1	9.196 054	70.99
2000	29/32	158	1	9.196 063	93.42

Size	Volume litres	PK	Cat. No.	Price
				EUR
5	approx. 1.5 ... 2	1	9.115 515	57.12
8	approx. 3.5 ... 4	1	7.652 667	83.00



## Vacuum drying ovens VD series



**BINDER**  
Best conditions for your success

For gentle, fast drying without residues, encrustations or oxidation.

- Program-controlled drying monitoring with automatic ventilation at the end of the process
- Internal data logger, measured values can be read out in an open format via USB
- Safety glass pane, spring-mounted with splinter protection
- Ethernet interface
- Temperature range: RT +10 °C to 220 °C
- For non-flammable solvents
- 2 switching outputs 24 V DC (max. 0.4 A)

Type	Nom. capacity L	Max. grids	PK	Cat. No.	Price EUR
VD 23	24	4	1	4.678 317	<b>7,702.00</b>
VD 56	55	5	1	4.678 318	<b>9,157.00</b>
VD 115	119	6	1	4.678 319	<b>12,068.00</b>

## LLG-Vacuum measuring instrument DVR 2 pro



**LLG**  
LABWARE

Versatile vacuum gauge for vacuum measurement between atmospheric pressure and 1 mbar.

- Large display
- High measuring accuracy
- With a support rod
- All parts in contact with media are made of chemically resistant materials

**Scope of supply:** Vacuum measuring instrument with connections for small flange D16, compression fitting and tubing nozzle for tubing with 6 to 10 mm ID.

### Specifications

Measuring range:	1080 to 1 mbar (hPa), 810 to 1 Torr
Measuring accuracy:	< 1 mbar (0.75 Torr) ±1 digit
Power supply/battery:	9 V battery
Dimensions (W x D x H):	115 x 115 x 66 mm

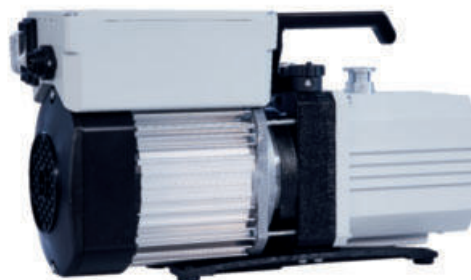
Type	PK	Cat. No.	Price EUR
DVR 2 pro	1	6.263 582	<b>693.82</b>

## Rotary vane pump TRIVAC D 2.5 E

**Leybold**



- New assortment
- Compact design
- High vacuum performance
- Low final pressure



The oil-sealed, two-stage rotary vane pump is suitable for industrial standard applications.

- Small, compact design
- Low oil back streaming
- High water vapour compatibility
- Suitable for continuous operation at 1000 mbar
- Higher performance thanks to a 3-stage gas ballast device
- Low noise level

Flow rate	Ultimate vacuum	Number of steps	Connection	PK	Cat. No.	Price EUR
m³/h	mbar					
3.2	0.002	2	KF DN 16	1	4.700 553	<b>2,912.00</b>

## Diaphragm pumps chemistry design, ME 1C

**vacuubrand**



Single-stage diaphragm pumps, ideal for continuous, oil-free pumping of gases with low vacuum requirements. In chemical diaphragm pumps (C'), the pumped gases and vapours only come into contact with chemical-resistant fluoroplastics. Gas ballast for reliable pumping performance.

Dimensions (W x D x H)	Flow rate (50/60Hz) L / min.	Connector	PK	Cat. No.	Price EUR
mm					
247 x 121 x 145	11.66 / 14.16	EU	1	9.880 934	<b>1,005.00</b>
247 x 121 x 145	11.66 / 14.16	CH	1	9.880 935	<b>1,005.00</b>
247 x 121 x 145	11.66 / 14.16	UK	1	9.880 936	<b>1,005.00</b>

## Analytical balances Pioneer® PX



High-performance, economical balances with high accuracy and repeatability.

- 2-line, backlit LCD
- 4 quick keys enable the most common weighing modes
- Draftshield
- USB and RS-232 interface for data exchange with PCs and PLCs
- Real-time clock with GLP/GMP data
- Integrated weigh-below-hook
- Auto-tare
- Many weighing units are selectable; a custom unit can be defined
- Models with removable side draftshield doors and a static removal bar made from ABS
- 4 menu languages

Models with extra code /E with external calibration.  
Models with extra code D have with dual range function.

### Specifications

Permissible ambient temperature range:	10 ... 30 °C
Height in draftshield:	235 mm
Dimensions (W x D x H):	209 x 321 x 309 mm
Weight:	4.5 kg
Power supply:	100 ... 240 V/50 ... 60 Hz

Type	Weighing range	Readability	Plate diam.	PK	Cat. No.	Price
	g	mg	mm			EUR
PX85	82	0.01	80	1	4.663 322	3,461.73
PX225D	82 / 220	0.01 / 0.1	80	1	4.663 324	3,598.74
PX124	120	0.1	90	1	4.663 327	1,778.03
PX224	220	0.1	90	1	4.663 330	1,906.39
PX224/E	220	0.1	90	1	4.663 329	1,687.70

## LLG-Sample dishes, Aluminium



High-quality aluminium sample dishes for moisture determination.

Description	Diam.	Height	PK	Cat. No.	Price
	mm	mm			EUR
Sample dishes	90	7	80	6.282 670	45.20
Sample dishes	100	7	80	6.265 408	46.20

## Halogen Moisture Analyser DBS 60-3



Modern moisture analyser with 10 memories and a graphic display

- Halogen quartz glass heater 400 W
- Backlit LCD, digit height 15 mm: Previous drying time, current temperature, unit for displaying the results, current moisture content in %, drying mode/Status display drying
- Internal memory for an automatic sequence of 10 drying programs and 100 drying processes carried out
- 10 sample plates included

### Specifications

Readability:	0.01% or 0.001 g
Weighing range, max:	60 g
Reproducibility, weight of sample 2 g:	0.15%
Reproducibility, weight of sample 10 g:	0.02%
Temperature range:	50 ... 200 °C
Dimensions (W x D x H):	204 x 336 x 167 mm

Type	PK	Cat. No.	Price
			EUR
DBS 60-3	1	9.901 441	1,650.00

## Balance brush



Oval.

Type	Size	PK	Cat. No.	Price
				EUR
Brush set	2, 4, 6	1	6.266 825	27.72

## Centrifuge Frontier™ Multi FC5707



- Complete set with rotor
- General laboratory applications
- For 15 and 50 ml centrifuge tubes



Compact multifunctional centrifuge.

- Splash-proof control panel
- Backlit, two-lined LCD display
- Quiet brushless motor
- 10 acceleration and deceleration rates
- Timer 10 s to 99 h 59 min 59 s
- Memory for up to 99 programmes
- Imbalance sensor
- Angle rotor for 4 x 50 ml or 4 x 15 ml tubes

**Scope of supply:** Centrifuge, 4 x 50/15 ml angle rotor

**Specifications**

Max. rcf:	4445 x g
Speed:	200 ... 6800 rpm
Permitted ambient temperature:	2 ... 35 °C
Dimensions (WxDxH):	277 x 356 x 236 mm
Power supply:	230 V, 50/60 Hz
Weight:	10 kg

Type	PK	Cat. No.	Price
			EUR
FC5707 + angle rotor	1	6.492 207	1,400.00

## LLG-Centrifuge Tubes economy, PP



- With flat PE caps
- 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
- Autoclavable at 121 °C and freezable to -80 °C
- Free of pyrogens
- DNase/RNase-free

Capacity	Description	Form	PK	Cat. No.	Price
ml					EUR
15	Sterile, in a bag of 25 pieces	conical	500	4.668 482	84.09
50	Sterile, in a bag of 25 pieces	conical	500	4.668 483	104.09
50	Sterile, in a bag of 25 pieces	with rim	500	4.668 486	115.57
15	Aseptically, bulk pack	conical	500	6.270 403	68.04
50	Aseptically, bulk pack	conical	500	6.270 404	85.32
50	Aseptically, bulk pack	with rim	500	6.270 405	91.00

## Mini centrifuge LLG-uniCFUGE 3 pro



With two rotors



This compact mini centrifuge is specially designed for microfiltration, cell separation, and spin-down applications.

- Easy rotor change via magnetic fixing
- Brushless and non-wearing high-efficiency motor
- Digital display
- Integrated timer
- Electronic safety brake on lid opening for user safety
- Lid safety interlock

**Scope of supply:** Centrifuge, rotor for 8 x 1.5/2 ml tubes, rotor for 16 x 0.2 ml PCR tubes, adapter for 8 x 0.2/0.5 ml tubes, power adapter (24 V, 1.5 A)

**Specifications**

Max. RCF:	2000 x g
Max. speed:	1000 ... 6000 rpm
Motor:	brushless DC motor
Max. load:	8 x 1.5/2 ml or 16 x 0.2 ml PCR tubes
Timer:	1 ... 25 min, continuous
Dimensions (W x D x H):	162 x 157 x 116 mm
Power supply:	100 ... 240 VAC, 50/60 Hz
Warranty:	3 years

Description	Plug type	PK	Cat. No.	Price
				EUR
LLG-uniCFUGE 3 pro	EU	1	6.263 522	208.92

## LLG-Microcentrifuge tubes, PP



LLG-Microcentrifuge tubes are ideal for all test throughputs. Certified DNase-, RNase-, and pyrogen-free. Guaranteed metal-free. Suitable for microbiology.

**Specifications**

<b>Autoclavability</b>	
Temperature:	121 °C
Pressure:	1.05 bar or 15 psi
Time:	20 min or less
<b>Centrifugation</b>	
Fixed angle rotor:	25000 x g
Swing out rotor:	70000 x g

Form	Volume	PK	Cat. No.	Price
	ml			EUR
conical	0.5	1000	9.409 023	17.16
conical	1.5	500	6.521 309	5.61
round	2.0	500	6.521 310	7.61

## Spectrophotometer LLG-uniSPEC 1



- Universally Applicable
- Stand-alone Device
- Ideal for quality control and education



LLG-uniSPEC 1 UV/VIS spectrophotometer is the ideal device for various routine laboratory applications, including quality control, basic research and education.

- Standalone unit with a large 2.5" LCD Display
- Automatic wavelength setting
- Easy creation of standard curves for concentration determination

**Scope of supply:** Spectrophotometer, dust cover, manual, 4 glass cuvettes, 2 quartz cuvettes

### Specifications

Optical system:	Single beam, grating 1200 lines/mm
Wavelength range:	190 ... 1000 nm
Bandwidth:	2 nm
Wavelength accuracy:	±2 nm
Wavelength repeatability:	0.5 nm
Photometric range:	-0.3 ... 3 A, 0 ... 200% T, 0 ... 9999 C
Photometric mode:	T, A, C, F
Display:	LCD, 128 x 64 Dots
Detector:	Silicon photodiode
Light source:	Tungsten and deuterium lamp
Output:	USB port, parallel port
Dimension (W x D x H):	420 x 280 x 180 mm
Weight:	12 kg
Power supply:	85 ... 250 V

Type	Plug type	PK	Cat. No.	Price
LLG-uniSPEC 1	EU/UK	1	6.263 636	EUR 2,083.95

**Reagecon**

A CALIBRE SCIENTIFIC COMPANY

**Lab Unlimited**

CARL STUART GROUP

A CALIBRE SCIENTIFIC COMPANY



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**Labortops**

PARTNER OF  
**LLG**  
Laboratory Supply Solutions