

LABORTOPS

valid until 31.12.2023

Centrifuge Frontier™ Multi FC5707+R05

- **Compact**
- **10 Acceleration and Deceleration Rates**
- **Incl. Rotor for 8 x 15 ml Tubes**



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Label printer DYMO® Rhino™ 6200+ Set



- New in our Assortment
- Portable
- 20 Languages Selectable
- 5 Lines per Label



The sturdy and portable Rhino™ 6000+ features practical quick access buttons. Thanks to PC connectivity, complex label layouts can be created, saved, and printed on the computer using DYMO® ID software.

- Barcode printing: Code 39, Code 128, Codabar, EAN 13, EAN 8, UPC-A, UPC-E, PDF 417, Code 39 Mod 43 variant, QR code
- Internal memory for last printed labels and space for up to 200 customised labels
- Automatic tape cutter
- One-touch cassette eject system
- Prints up to five lines per label
- 20 languages selectable
- Thermal transfer printing with 180 dpi resolution
- Meets ANSI and TIA/EIA-606-B industrial labelling standards
- PC connection via USB interface
- ABC keyboard

Scope of supply: Label printer, label tape vinyl black on white (9 mm x 5.5 m), label tape nylon black on white (24 mm x 3.5 m), Li-Ion rechargeable battery, power adapter optionally with plug adapter UK, quick start guide, case

Label width: 6 ... 24 mm
Print speed: 10 mm/s
Power supply: 6 x AA batteries, Li-Ion rechargeable battery or power adapter

-20%

Type	External dimensions (W x D x H) mm	Weight g	PK	Cat. No.	Price EUR	Now EUR
6000+ Set	137 x 246 x 75	1810	1	4.687 588	429,00	343,20

IND label tapes for label printers DYMO® Rhino™, Vinyl

The label tape with industrial adhesive is suitable for versatile labelling applications and withstands UV light, extreme temperatures, chemicals, and moisture.

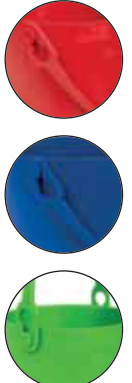
- External ribbon cartridges made from 100 % recycled material
- UL recognized as a component to UL 969
- Meet OSHA, ANSI, and ISO standards
- REACH and RoHS compliant
- Temperature resistant from -40 to 80 °C



-15%

Width mm	Length m	Color	PK	Cat. No.	Price EUR	Now EUR
12	5.5	black on yellow	1	4.687 545	23,30	19,81
19	5.5	black on yellow	1	4.687 546	26,30	22,36
9	5.5	black on white	1	4.687 547	22,30	18,96
12	5.5	black on white	1	4.687 548	22,30	19,81
19	5.5	black on white	1	4.687 549	26,30	22,36
24	5.5	black on white	1	4.687 559	31,10	26,44
24	5.5	black on yellow	1	4.687 560	31,10	26,44

Safety bottle carrier, PP



Bottle carrier for safe transport of bottles in laboratories.

- Centring ring stabilises the bottle in the centre of the carrier
- With labelling field for easy identification

-18%

For bottles ml	Colour	Height mm	Diam. mm	PK	Cat. No.	Price EUR	Now EUR
1500	Red	165	114	1	4.688 196	60,00	49,20
1500	Black	165	114	1	4.688 197	60,00	49,20
1500	Blue	165	114	1	4.688 198	60,00	49,20
1500	Green	165	114	1	4.688 199	60,00	49,20
4500	Red	267	183	1	4.688 192	90,00	73,80
4500	Black	267	183	1	4.688 193	90,00	73,80
4500	Blue	267	183	1	4.688 194	90,00	73,80
4500	Green	267	183	1	4.688 195	90,00	73,80

Disposable weighing boats, PS, white



Deep vessel made of PS with sturdy handle and notched spout. Ideal for weighing and controlled pouring of liquids.

- Flat bottom ensures stability and prevents tipping
- Biologically inert and resistant to dilute and weak acids, aqueous solutions, bases, and alcohols
- Manufactured in an ISO Class 8 clean room
- Temperature range 0... 40 °C

-18%

Nominal capacity ml	Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR	Now EUR
50	40 x 92 x 43	200	4.688 189	45,00	36,90
100	90 x 107 x 48	200	4.688 190	55,00	45,10
200	117 x 148 x 51	200	4.688 191	65,00	53,30

Centrifuge Frontier™ Multi FC5707+R05



- **Universal Centrifuge**
- **Fast spin for small measurement runs**
- **Incl. Rotor for 8 x 15 ml Tubes**

Compact multifunctional centrifuge for general laboratory applications, with splash-proof control panel and touch-wheel control. The pre-installed 8x15 ml angle rotor is suitable for round-bottom and conical tubes, as well as for conventional blood tubes.

- Backlit, two-lined LCD display
- 10 acceleration and deceleration rates
- Fast spin for small measurement runs
- Memory for up to 99 parameters
- Lid locking system
- Imbalance sensor

Scope of supply: Centrifuge, 8x15 ml angle rotor

Specifications

Max. rcf:	4445 x g
Speed:	200 ... 6800 rpm
Runtime/timer H:Min:Sec	00:00:10 ... 99:59:59
Noise level:	60 db(A)
Dimensions (WxDxH):	277 x 356 x 236 mm
Weight:	10 kg
Rated capacity:	50 W
Power supply:	230 V, 50/60 Hz
IP code:	IP 44

-16%

Type	Plug type	PK	Cat. No.	Price	Now
FC5707+R05	EU/UK	1	6.313 561	1.275,00	1.071,00
				EUR	EUR

LLG-Microcentrifuge tubes, PP, with Safe-Lock lid



NEW

With tight-fitting Safe-Lock lid, which prevents unintentional opening of the lid during centrifugation.

- Frosted labelling area on the lid
- Lid membrane can be easily pierced
- Easy opening and closing with one hand
- Graduation lines for visual volume control
- RNase- and DNase-free

-25%

Volume ml	Form	Max. rcf x g	Temp. range °C	PK	Cat. No.	Price	Now
1.5	Conical	1500	-86 ... 121	1000	6.490 852	22,00	16,50
2.0	Round	1500	-86 ... 121	1000	6.490 853	25,00	18,75
						EUR	EUR

Mini centrifuge LLG-uniCFUGE 2



Compact and reasonably priced mini centrifuges with two rotor types. Speed can be adjusted to 4000 rpm or 6000 rpm. Powerful motor for fast starting. Quick stop when the lid is opened.

LLG-uniCFUGE 2 with **Universal rotor** for 6 x 1.5/2.0 ml and 6 x 0.5 ml tubes and 2 times 8 x 0.2 ml PCR-strips.

Scope of supply: Centrifuge, mains cable

Specifications

Max. RCF:	1200 x g and 2000 x g
Max. speed:	4000 rpm and 6000 rpm
Motor:	brushless DC motor
Max. load:	6 x 0.5/1.5/2 ml and 2 x 8-tube PCR strips (0.2 ml)
Dimensions (diam. x H):	140 x 120 mm
Power supply:	100 ... 240 V, 50/60 Hz

Description	Plug type	PK	Cat. No.	Price
LLG-uniCFUGE 2 with universal rotor	EU	1	6.263 510	EUR 130,00

LLG-Microtube racks, PP, 80-well



Large Colour Selection



Designed to hold 1.5 ml/2.0 ml microtubes (5 x 16 arrays) in a temperature range from -80 to 121 °C. Molded numbers on the surface for easy samples identification. Suitable for autoclaving at 121 °C.

-20%

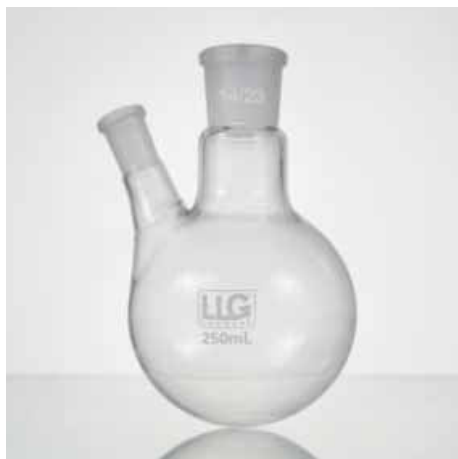
Colour	PK	Cat. No.	Price	Now
yellow, red, blue, orange, green	5	4.672 062	24,80	19,84
yellow	5	4.672 063	24,80	19,84
red	5	4.672 064	24,80	19,84
blue	5	4.672 065	24,80	19,84
orange	5	4.672 067	24,80	19,84
green	5	4.672 068	24,80	19,84
			EUR	EUR



New Assortment



LLG-Two-neck round bottom flasks with standard ground joint, borosilicate glass 3.3, angled side neck



Side neck at 20° angle to the middle neck. With white inscription. Acc. to DIN 12394.

-15%

Nominal capacity ml	Dimensions (dia. x H) mm	Centre neck NS	Side necks NS	PK	Cat. No.	Price EUR	Now EUR
50*	51 x 92	14/23	14/23	1	4.686 152	17,70	15,05
100*	64 x 107	14/23	14/23	1	4.686 153	18,20	15,47
100	64 x 107	29/32	14/23	1	4.686 154	27,20	23,12
250*	85 x 142	14/23	14/23	1	4.686 155	22,50	19,13
250*	85 x 142	29/32	14/23	1	4.686 156	26,00	22,10
500*	105 x 165	29/32	14/23	1	4.686 157	33,10	28,14
1000*	131 x 203	29/32	14/23	1	4.686 158	53,00	45,05

* DIN 12394

LLG-Three-neck round bottom flasks with standard ground joint, borosilicate glass 3.3, angled side necks



Side necks at 20° angle to the middle neck. With white inscription. Acc. to DIN 12394.

-15%

Nominal capacity ml	Height mm	Centre neck NS	Lateral neck	PK	Cat. No.	Price EUR	Now EUR
250*	140	29/32	NS14/23	1	4.686 159	37,10	31,54
250	140	29/32	NS29/32	1	4.686 160	42,80	36,38
500*	163	29/32	NS14/23	1	4.686 161	41,60	35,36
500	163	29/32	NS29/32	1	4.686 162	47,80	40,63
1000*	200	29/32	NS14/23	1	4.686 163	54,80	46,58
1000	200	29/32	NS29/32	1	4.686 164	56,70	48,20
2000	240	29/32	NS29/32	1	4.686 165	82,50	70,13

* DIN 12394

LLG-Condenser acc. to Dimroth, borosilicate glass 3.3



Water connection with with glass olives or PP olives. With standard ground cone and socket. Acc. to DIN 12576.

-15%

Description	Effective length mm	Cone NS	Socket NS	PK	Cat. No.	Price EUR	Now EUR
Glass olive	250	29/32	29/32	1	4.686 190	61,30	52,11
Glass olive	400	29/32	29/32	1	4.686 191	71,20	60,52
PP olive	250	29/32	29/32	1	4.686 192	61,50	52,28
PP olive	400	29/32	29/32	1	4.686 193	72,60	61,71

LLG-Separating funnel acc. to Squibb, borosilicate glass 3.3



Separating funnel acc. to Squibb with PTFE stopcock.

- DIN ISO 4800
- With standard ground joint and stopper
- White graduation

-15%

Nominal capacity ml	Bore mm	Ground size NS	PK	Cat. No.	Price EUR	Now EUR
50	2.5	19/26	1	4.686 263	41,50	35,28
100	2.5	19/26	1	4.686 264	43,00	36,55
250	4	29/32	1	4.686 265	46,00	39,87
500	4	29/32	1	4.686 266	52,20	44,37
1000	6	29/32	1	4.686 267	73,00	62,05
2000	6	29/32	1	4.686 268	98,40	83,64

Disposable spoon spatula LaboPlast®/SteriPlast®, PS



White. The spoon spatula is a double spatula with spoon 0.5 ml and spatula blade 17 mm. Chemical-resistant and corrosion-proof.

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

-10%

Type	Length	Sterile	PK	Cat. No.	Price	Now
	mm				EUR	EUR
LaboPlast®	178	-	100	6.284 543	22,10	19,89
SteriPlast®	178	+	100	6.284 544	55,00	49,50

Disposable double scoop spatula LaboPlast®/SteriPlast®, PS



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

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

-10%

Type	Length	Sterile	PK	Cat. No.	Price	Now
	mm				EUR	EUR
LaboPlast®	180	-	100	6.284 545	22,10	19,89
SteriPlast®	180	+	100	6.284 546	55,00	49,50

Chemistry scoop, PP, with rod handle



For aggressive liquids, complete with strong handle made of polypropylene.

-10%

Capacity	Stem diam.	Stem	PK	Cat. No.	Price	Now
ml	mm	mm			EUR	EUR
250	20	1000	1	9.303 840	66,30	59,67
600	20	1000	1	9.303 842	68,70	61,83
1000	20	1000	1	9.303 844	70,40	63,36

Sampling lance milky, stainless steel V4A, acc. to EN ISO 707



Universal powder and granulate collector, made of stainless steel V4A. Standardised, according to DIN and IDF. Autoclavable.

-15%

Capacity	Length	Imm. depth	Ext. diam.	PK	Cat. No.	Price	Now
ml	cm	mm	mm			EUR	EUR
150	48	385	28	1	6.051 629	196,60	167,11

LLG-Sample containers, PS, with metal cap, sterile



Ideal for sample collection and storage. Made of virgin polystyrene. All materials are non-cytotoxic. The metal cap with inert PVC-Liner ensures leak proof seal.

-30%

Nominal capacity ml	Ø with Cover mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
60	43	60	300	9.070 321	180,50	126,35
100	49	75	200	9.070 322	211,50	148,05
250	63	121	50	9.070 323	93,00	65,10

VITgrip™ lab bottles, PP, GL 45



Allround lab bottle made of polypropylene, with GL 45 thread and supplied with tamper-evident closure (PP).

- Excellent grip due to innovative design. The slim and waisted shape of the VITgrip™ makes it much easier to handle compared to conventional laboratory bottles
- Leakproof due to optimised sealing system of the bottle thread and the screw cap with ergonomic design
- With tamper-evident closure that reliably signals, if the bottle is still sealed

-20%

Capacity ml	Height* mm	Bottom diam. mm	PK	Cat. No.	Price EUR	Now EUR
125	103	54	6	6.270 627	32,10	25,68
250	149	64	6	6.270 628	36,00	29,52
500	192	77	6	6.270 629	45,00	36,00
1000	234	97	6	6.270 630	63,00	51,12
2000	278	126	1	6.270 631	24,60	19,68

* Height without screw cap

Space-saving jerrycans, HDPE, electrically conductive



Black. For use in explosion-protected areas.

- Antistatic
- Surface resistance < 10⁵ Ohm
- With or without threaded connector 3/4"
- Space-saving due to its narrow width
- Grounding by means of antistatic set (available as accessory)
- Electrically conductive stopcock StopCock PA (available as accessory)

-10%

Nominal capacity ml	Description	Width mm	PK	Cat. No.	Price EUR	Now EUR
5000	Space-saving jerrycans without threaded connector	65	1	4.665 330	51,10	45,99
5000	Compact jerrycan set, with StopCock PA	65	1	4.665 322	75,10	67,59
10000	Space-saving jerrycans without threaded connector	125	1	4.665 331	67,00	61,11
10000	Compact jerrycan set, with StopCock PA	125	1	4.665 329	90,70	81,63

Wide-mouth bottles, PE, graduated



Will withstand considerable pressure before rupturing. Secured by tagging points on bottle and PP cap. Confidential notes can be placed in the space between insert sealing plug and cap. Food-safe according to EC Regulation 1935/2004 and EC Regulation 10/2011.

-25%

Capacity ml	Grad. ml	Ext. diam. mm	Int. diam. mm	Height mm	PK	Cat. No.	Price EUR	Now EUR
50	10	40	24.0	77	10	4.672 391	16,50	12,38
100	20	48	24.0	89	10	4.672 387	18,50	13,88
250	25	61	34.5	126	10	4.672 390	24,00	18,00
500	50	75	34.5	158	10	4.672 392	28,00	21,00
1000	100	93	45.0	200	10	4.672 388	46,00	34,50
2000	100	115	45.0	247	10	4.672 389	88,00	66,00

Pump drive Hei-FLOW Precision 06



- For Dosing and Transferring
- Made in Germany



Dosing and Feeding pumps for reproducible results. This pump drive is only suitable for use with single-channel pump heads.

- Digital read-out of Speed, Tubing diameter, Flow rate, Dosing volume, Interval dosing, Pause function
- With buttons for selecting all process parameters
- Pump heads with convex rollers for cell protection are available for use in cell biology

The pump head is not included. Please order separately.

Specifications

Speed range:	24 ... 600 rpm
Flow rates single-channel pumps:	2.0 ... 4056 ml/min
Flow rate accuracy (water without counter pressure):	±2 %
Control accuracy motor:	±0,5 %
Motor power:	100 W
Volume dosing:	0:001 ... 9999 ml
Interval dosing:	0.001 ... 9999 ml in breaks 0.1 s ... 750 h
Permissible ambient conditions:	5 ... 31 °C
Permissible rel. humidity:	80 %
Dimensions (W x D x H):	166 x 256 x 225 mm
Protection class DIN EN 60529:	IP 55
Weight:	7.3 kg

-10%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
Hei-FLOW Precision 600	EU	1	9.829 245	3.525,00	3.172,50

Single-channel Pump Heads SP quick for Pump drives Hei-FLOW



- Fast and convenient tube changes
- Low pulsation due to 5 roller system
- Pump head features ball bearings
- Rollers made of stainless steel
- For tubes with a 1.6 mm or 2.5 mm wall thickness (wt)
- Depending on drive and tubing, the flow rate ranges from 0.38 to 3436 ml per minute

-10%

Tubing wall thickness	Flow rate	PK	Cat. No.	Price	Now
	ml/min.			EUR	EUR
1.6	0.38 ... 3436	1	9.829 250	544,00	489,60
2.5	0.38 ... 3436	1	9.829 251	549,00	494,10

Hand pumps Otal



For jerry cans and balloons up to 60 l capacity. Universal bungs for container openings of 30 to 70mm diameter.

PP: weak acids, caustic solutions and detergents
PVDF: suitable for acids and alkalis, chlorine bleaching, not for strongly oxidizing acids and caustic solutions
Stainless steel: solvents and liquids of VbF Hazard Class AIII (not easily flammable)

-15%

Diam. mm	Immersion depth mm	Flow rate L / min.	Material	PK	Cat. No.	Price	Now
						EUR	EUR
10	450	4	PP*	1	9.001 210	57,20	48,62
12	700	14	PP	1	9.001 112	78,30	66,56
15	700	20	PP	1	9.001 115	82,20	69,87
18	700	26	PP	1	9.001 118	83,50	70,98
16	700	20	PVDF	1	9.001 135	140,00	119,77
18	900	26	Stainless steel tubing	1	9.001 137	140,00	119,77
12	700	12	PP / PVC dispensing tube	1	9.001 138	82,20	69,87

*Miniature pump for container openings 20 to 36mm.

LLG-Surface protector DescProtect



- Stays flat, does not ripple or curl to de-stabilise vessels
- White surface can be written on using pens or pencils
- Rapid absorption of liquid spills
- Excellent fluid protection
- No contamination of work surfaces or laboratory cabinets
- Suitable for school laboratories, wet chemistry, industry

-20%

Type	Size	PK	Cat. No.	Price	Now
				EUR	EUR
Sheets	460 mm x 570 mm	50	9.160 270	49,00	39,92
Spool	400 mm x 50 m	1	9.160 271	94,10	75,28

Single channel microliter pipettes LLG-proMLP



Proven Quality

- High quality **Made in France**
- Extremely light weight while the robustness still remains
- Perfect ergonomics for highest comfort
- Colour-coded push-button for quick operation
- Extremely low pipetting forces
- **Built-in volume locking** for error-free results
- **Tip ejector button***, adjustable for right- and left-handed users
- Completely autoclavable at 121°C
- Including individual calibration certificate (according to EN ISO 8655)

*not available for 5 ml and 10 ml pipettes

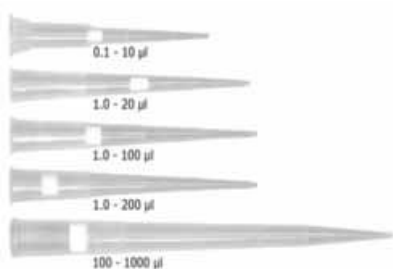
Scope of supply: microliter pipette, calibration tool



-35%

Capacity	Increments	Accuracy max. vol. (± R%)	Precision max. vol. (≤ CV%)	Colour code	PK	Cat. No.	Price	Now
µl	µl						EUR	EUR
0.2-2	0.002	1.65	0.75	dark orange	1	6.270 420	215,70	140,21
0.5-10	0.02	1.10	0.44	red	1	6.270 421	215,70	140,21
2-20	0.02	1.00	0.33	light yellow	1	6.270 422	215,70	140,21
10-100	0.2	0.80	0.17	light orange	1	6.270 423	215,70	140,21
20-200	0.2	0.80	0.17	dark yellow	1	6.270 424	215,70	140,21
100-1000	2	0.80	0.17	dark blue	1	6.270 425	215,70	140,21
500-5000	2	0.66	0.18	purple	1	6.270 426	215,70	140,21
1000-10000	20	0.60	0.18	light blue	1	6.270 427	215,70	140,21

LLG-Filter tips 2.0 Low Retention, PP



The new generation of LLG Labware filter tips with low liquid retention. Available in easy-to-open boxes with color coded racks. Compatible with all common pipette brands. You can find the appropriate compatibility list on www.llg-labware.com in the Downloads section.

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

-40%

Capacity	Package contents	PK	Cat. No.	Price	Now
µl				EUR	EUR
0.1 ... 10	10 x 96	960	4.668 784	98,00	58,80
0.1 ... 10*	10 x 96	960	4.668 785	98,00	58,80
1 ... 20	10 x 96	960	4.668 786	98,00	58,80
1 ... 100	10 x 96	960	4.668 787	98,00	58,80
1 ... 200	10 x 96	960	4.668 788	98,00	58,80
100 ... 1000	8 x 96	768	4.668 789	98,00	58,80

* Tip XL

LLG-Pipette carousel, ABS

LLG-Pipette carousel made of ABS for safe and comfortable storage of microlitre pipettes. Rotating stand allows quick access to the desired pipette.

- Space-saving storage of up to 6 single channel or multi-channel pipettes
- Suitable for common pipette brands of BRAND, GILSON®, Eppendorf®, Thermo Fisher Scientific and RAININ
- Easy to clean



-40%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Pipette carousel	1	6.490 522	97,60	58,56



Transferpette® electronic are produced in Germany with 100% green electricity from certified hydropower plants and self-generated electricity from an efficient combined heat and power plant. BRAND GMBH + CO KG has been successfully participating in the sustainability ranking of the EcoVadis evaluation platform since 2022 and was awarded silver status for it.



Single channel microliter pipettes, Transferpette® electronic, variable



• Ergonomic • Environmentally Friendly Production

- Motor-driven, to reduce the risk of RSI and imprecision/inaccuracy caused by operator variability
- Five operating modes: Pipetting mode, Reverse pipetting, Mixing, Dispensing, Gel-electrophoresis modes
- Easy Calibration function for rapid adjustment of the unit without tools
- Extremely fast pipetting speed
- NiMH rechargeable battery pack and battery regeneration-mode
- Optionally, the Transferpette® can also be charged via the 3-fold charging stand

Items supplied: Transferpette® electronic, DE-M marking, with performance certificate, battery, power supply, silicone grease.



-10%

Capacity	Increments	Accuracy max. vol. (± R%)	Precision max. vol. (≤ CV%)	Plug type	PK	Cat. No.	Price	Now
µl	µl						EUR	EUR
0,5 - 10	0.01	1.0	0.4	EU	1	9.280 113	402,60	362,34
2 - 20	0.02	1.0	0.4	EU	1	9.280 100	402,60	362,34
10 - 200	0.2	0.8	0.2	EU	1	9.280 101	402,60	362,34
50 - 1000	1.0	0.6	0.2	EU	1	9.280 102	402,60	362,34
250 - 5000	5.0	0.6	0.2	EU	1	9.280 114	402,60	362,34

LLG-Disposable Reagent reservoirs economy, PS



Made from polystyrol. Designed for use with multi-channel pipettes and can accommodate up to 12-channel standard pipettes. Available as sterile and non-sterile versions.

- DNase-, RNase- and pyrogen-free certified

Description	Capacity	PK	Cat. No.	Price	Now
	ml			EUR	EUR
non-sterile, bulk	25	100	6.282 144	70,00	42,54
sterile, single packed	25	100	6.282 145	132,00	79,20
non-sterile, bulk	50	100	6.282 146	86,00	52,14
sterile, single packed	50	100	6.282 147	172,00	103,32

-40%

Multichannel microliter pipettes Transferpette® -8/-12 electronic, variable



• Ergonomic • Environmentally Friendly Production • New: 1250 µl Volume Multichannel Pipettes



The effortless ease of operation and its unique ergonomic shape make working with the Transferpette® -8/-12 piston-operated pipette so comfortable.

- Individual shafts and seals can easily be replaced in the laboratory, for long instrument life
- Easy Calibration Technique: Calibration and adjustments are done in seconds without tools
- Autoclavable lower housing (121°C), freely rotatable over 360°
- Colored tip ejector caps indicate appropriate tips to use
- Corrosion resistant design

For research and development only.

Scope of supply:

Transferpette® electronic 8 or 12 channel, DE-M marking, with performance certificate, battery, power supply, 1 stand, 1 reagent reservoir, silicone grease, 1 extra set of sealing rings made of FKM and assembling aid

-10%

Channels	Capacity	Increments	Accuracy max. vol. (± R%)	Precision max. vol. (≤ CV%)	Connector	PK	Cat. No.	Price	Now
	µl	µl						EUR	EUR
8	0,5 - 10	0,01	1,2	0,8	EU	1	9.280 117	813,10	731,79
8	50 - 1250	1,0	1,0	0,25	Uni	1	6.491 810	813,10	731,79
8	1 - 20	0,02	1,0	0,5	EU	1	9.280 107	813,10	731,79
8	5 - 100	0,1	0,8	0,25	EU	1	9.280 108	813,10	731,79
12	50 - 1250	1,0	1,0	0,25	Uni	1	6.491 811	930,50	845,55
8	10 - 200	0,2	0,8	0,25	EU	1	9.280 118	813,10	731,79
8	15 - 300	0,5	0,6	0,25	EU	1	9.280 109	813,10	731,79
12	0,5 - 10	0,01	1,2	0,8	EU	1	9.280 119	930,50	845,55
12	1 - 20	0,02	1,0	0,5	EU	1	9.280 110	930,50	845,55
12	5 - 100	0,1	0,8	0,25	EU	1	9.280 111	930,50	845,55
12	10 - 200	0,2	0,8	0,25	EU	1	9.280 128	930,50	845,55
12	15 - 300	0,5	0,6	0,25	EU	1	9.280 112	930,50	845,55

Colony counter, Scan® 50

interscience



- Easy Handling
- Light Signal for Counted Colonies



Manual colony counter for Petri dishes (from Ø 55 to 90 mm). Counting is done by a simple touch pressure and is subsequently recorded. The export of the counting results via USB to a computer ensures the traceability of the data.

- LCD screen
- Counting buttons on both sides, for left- or right-handers
- With inclined counting surface and hand rest
- Light signal for each colony counted
- 9 different sounds and headphone jack
- Dark field 2, high-contrast, indirect LED illumination
- Counting range 0 - 1999

Scope of delivery:
Scan 50 colony counter, mains cable, USB cable, black pen, manual.

Dimensions (WxDxH): 273 x 295 x 151 mm
Power supply: 100 ... 240 V, 50/60 Hz
IP code: IP 20
Warranty: 3 years

-5%

Type	Plug type	PK	Cat. No.	Price	Now
Scan® 50	EU	1	4.688 030	EUR 937,50	EUR 890,63

Filter funnel, Biosart® 250

SARTORIUS



For microbiological and analytical quality assurance in industry. 250 ml sterile plastic funnels reduce process time in colony and particle analysis. For use with Sartorius membrane filters and Sartorius cardboard culture plates.

-20%

Type	PK	Cat. No.	Price	Now
BioSart®250 disposable funnel, sterile	50	9.049 340	EUR 94,40	EUR 75,52

Manifolds Microsart®, stainless steel



SARTORIUS



For microbiological quality control. Quick connectors at both sides of the manifolds enable fast connections of either tubing, another manifold or end caps.

- Full autoclavability without disassembly
- Sterile venting
- Reduced risk of secondary contamination
- Low working height
- Rubber feets providing better stability at the workplace
- 3 branch
- Dimensions (W x D x H): 474 x 98 x 120 mm (without funnels and tubing)

Scope of supply:

Microsart® Manifolds for Microsart® funnels and filters:

Manifold, filter base support with sinter frit, blind coupling, 20 cm tubing and venting filter

Microsart® Manifolds for Biosart® 250 funnels:

Manifold, filter base support with sinter frit, blind coupling, 20 cm tubing and plug for venting holes

Microsart® Manifolds including stainless steel funnels (100/500 ml):

Manifold, filter base support with sinter frit, blind coupling, 20 cm tubing and plug for venting holes

-20%

Type	PK	Cat. No.	Price	Now
Microsart® Manifolds for Microsart® funnels and filters	1	4.669 472	EUR 3.110,00	EUR 2.488,00
Microsart® Manifolds for Biosart® 250 funnels	1	4.669 479	EUR 3.110,00	EUR 2.488,00
Microsart® Manifolds including stainless steel funnels 500 ml	1	4.669 485	EUR 3.780,00	EUR 3.024,00

Plastic Funnels, Microsart®, PP



SARTORIUS



Fully Autoclavable



The sterile plastic funnels with 47 mm diameter allow quick performance of the filtrations required in the routine testing of water, food and beverages, pharmaceutical and cosmetic products.

- Click-Fit closure for optimum sealing
- Graduation with markings for exact volume dosing

-20%

Volume	PK	Cat. No.	Price	Now
ml			EUR	EUR
100	100	7.659 614	EUR 160,00	EUR 128,00
250	96	7.671 690	EUR 175,00	EUR 140,00

Disposable Erlenmeyer Flasks Nalgene™ with vented closure, PETG, sterile

thermo
scientific



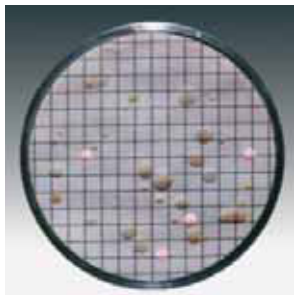
Blue closure made of HDPE with 0.2 µm hydrophobic PTFE membrane allowing sterile gas exchange. Individually packed. Planner bottom.

-30%

Capacity	Cover type	PK	Cat. No.	Price	Now
ml				EUR	EUR
125	38-430	24	6.234 530	278,20	194,74
250	38-430	12	6.231 087	152,10	106,47
500	45-430	12	9.141 304	182,00	127,40
1000	45-430	6	9.141 305	102,70	71,89
2000	45-430	4	9.141 306	101,20	70,84
2800	70	4	9.141 307	195,00	136,50

Nutrient pads, diam. 50 mm

SARTORIUS



Sterile dry culture media with membrane filter. Sterile dry culture media in Petri dishes with matching membrane filter for economical and time-saving microbiological quality control. Individually sterile packed in climate-proof aluminium foil. Further culture media on request.

-20%

Pore size µm	Type	For	Colour	PK	Cat. No.	Price	Now
						EUR	EUR
0.45	Endo	E. coli + Coliforms	white / green	100	9.055 008	226,00	180,80
0.45	Caso	Colony count	green / green	100	9.055 017	226,00	180,80
0.45	Standard TTC	Colony count	green / green	100	9.055 010	226,00	180,80
0.65	Wort	Yeasts + moulds	grey / white	100	9.055 013	226,00	180,80
0.45	Glucose-Tryptone	thermophilic spore formers, mesophilic bacteria	white / green	100	9.055 020	226,00	180,80
0.65	Sabouraud	Yeast + moulds	grey / green	100	9.055 023	226,00	180,80

Orbital shaker Solaris™ 2000 Set

thermo
scientific



- Complete Set
- Incl. Platform and Brackets

Robust orbital shaker with high capacity.

- For timer and continuous operation
- 99 individual programmes can be stored
- Large, easy-to-read touchscreen display with indication of speed and run time
- USB and Ethernet connection for data output and device monitoring

Scope of delivery: Orbital shaker, universal platform, clamps, mains cable, platform screws, operating instructions

Specifications

Type of movement:	orbital
Shaking stroke:	25 mm
Speed:	15 ... 525 rpm
Max. loading capacity:	25 kg
Moving table (WxD):	356 x 305 mm
Dimensions (WxDxH):	364 x 469 x 141 mm
Weight:	20.9 kg
Rated capacity:	60 W
Power supply:	100 ... 240 V, 50/60 Hz
IP code:	IP 20

-17%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Solaris™ 2000 Set	1	6.325 128	3.855,28	3.199,88

LLG-Microbiological Media



- Made in EU
- Wide Selection

LLG
LABWARE

For numerous micro- and molecular biological applications. The safety data sheets of these products are available under www.llg-labware.com/en/zertifikate.

-30%

Description	Capacity	PK	Cat. No.	Price	Now
	g			EUR	EUR
Luria Bertani (Miller), Powder	500	1	6.271 000	56,90	39,83
Luria Bertani (Lennox), Powder	500	1	6.271 010	58,70	41,09
Terrific Broth, Powder	500	1	6.271 007	61,10	42,77
2xYT Broth, Powder	500	1	6.271 001	72,60	50,82
Bact. Agar, Powder	500	1	6.271 003	107,90	75,53
Luria Bertani Agar (Miller), Powder	500	1	6.271 009	65,40	45,78
Luria Bertani Agar (Lennox), Powder	500	1	6.271 008	65,10	45,57
YPD Broth, Powder	500	1	6.271 002	62,70	43,89
Yeast Extract, Powder	500	1	6.271 004	56,40	39,48
Tryptone, Powder	500	1	6.271 005	94,60	66,22
Casein Peptone, Powder	500	1	6.271 011	81,30	56,91
Tryptic Soya Agar (Caso-Agar), Powder	500	1	6.271 006	89,50	62,65
Trypticasein Soy Broth (TSB-media), Powder	500	1	6.271 018	80,00	56,00

LLG-Pipette controller easy



Convenient Handling



The LLG-Pipette controller easy enables fast and exact pipetting with glass and plastic pipettes.

- Ergonomic and lightweight construction for constant ease of use over prolonged usage
- Unique nose cone angle for enhanced flexibility in operation e.g. in fume hoods
- Eco-friendly rechargeable NiMH batteries, offering up to 8 hours of continuous working
- Autoclavable tip cone for avoiding cross-contamination

Scope of supply: Pipette controller, manual, charger, wall-mount, desktop stand

-20%

Description	Plug type	PK	Cat. No.	Price	Now
LLG-Pipette controller easy	EU	1	6.263 683	EUR 249,00	EUR 199,20

LLG-Serological pipettes, PS, sterile



Proven Quality



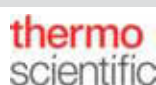
Serological pipettes from LLG are ideally suited for sterile serological and cell culture applications. Easy to read graduation scales facilitate volume measurement and dosing. All LLG serological pipettes are plugged, sterile, pyrogen-free and have an increased volume capacity through extra graduations.

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

-25%

Volume	Grad.	Colour code	Negative graduations	PK	Cat. No.	Price	Now
ml	ml					EUR	EUR
1	1/100	yellow	0.3	500	9.380 440	69,70	52,28
2	1/50	green	0.6	500	9.380 441	80,70	60,53
5	1/10	blue	3	200	7.930 401	45,50	34,13
10	1/10	orange	3	200	6.268 240	64,00	48,00
10	1/10	orange (wide mouth)	3	200	9.380 442	62,80	39,60
25	2/10	red	8	150	7.930 403	69,00	51,75
50	5/10	purple	10	100	9.380 443	69,60	52,20
5	1/10	blue (short form)	3	200	6.265 881	78,80	59,10
10	2/10	orange (short form)	10	150	6.265 882	78,80	59,10
25	5/10	red (short form)	9	100	6.265 883	74,20	53,40

Cell Culture Tubes Nunc™, PS, sterile



The surface of the tubes is coated with Thermo Scientific™ Nunclon™ Δ and designed for the cultivation of adherent cell cultures. With cap made of PE.

- Tubes with flat side provide 5.5 cm² culture surface
- Suitable for microscopy, use of cover glasses possible
- Leakproof

-35%

Working volume	Diam.	Height	Base	Cover type	PK	Cat. No.	Price	Now
ml	mm	mm					EUR	EUR
3	16	110	flat side	screw cap	450	6.510 332	459,00	298,35
7	14	100	round	screw cap	600	9.407 230	478,00	310,70
7	13	100	round	push-on lid	600	4.008 816	481,00	312,65

Cell Scrapers Rotatable®, sterile



Free rotating blade to twist easily to the desired direction. Easy changes of the blade angle by slight pressure on the handle. Material blades PE and handle ABS.

- Small raised knobs on the handle for better grip
- Sterilized by gamma irradiation
- Individually wrapped
- DNase/RNase-free
- Pyrogen-free

-35%

Description	Length	PK	Cat. No.	Price	Now
	mm			EUR	EUR
Scraper, 12.5 mm	230	150	4.672 556	121,30	78,85
Scraper, 12.5 mm	300	150	4.672 557	177,90	115,64
Scraper, 19.5 mm	230	150	4.672 558	121,30	78,85
Scraper, 19.5 mm	300	150	4.672 559	177,90	115,64



New Assortment



Basic embedding moulds, stainless steel



- Sizes are suitable for many embedding cassettes
- Robust
- Excellent heat exchange
- Rounded corners

Dimensions (W x D x H) mm	PK	Cat. No.	Price EUR
10 x 10 x 5	10	4.688 501	102,40
24 x 24 x 5	10	4.688 502	102,90
30 x 24 x 9	10	4.688 503	102,60
30 x 24 x 9	10	4.688 504	102,30

Embedding agent Histoplast, paraffin



Package: 8 x 1 kg

Type	Description	PK	Cat. No.	Price EUR
Histoplast-PE	Infiltration/embedding, melting point: 56 °C	1	4.688 493	53,90
Histoplast-IM	Infiltration, with DMSO, melting point: 56 °C	1	4.688 494	61,90
Histoplast-LP	Against torsion, melting point: 55 ... 54 °C	1	4.688 495	56,90

Blades for Microtomes and Cryostats



Compatible with most common microtomes and cryostats.

- Low profile
- Cutting angle 34°

Type	Description	Width mm	Length mm	Thickness mm	PK	Cat. No.	Price EUR
MX35 Premier™	Routine histology	8	80	0.25	50	4.688 509	84,60
MB35 Premier™	Thin sections	8	80	0.5	50	4.688 508	81,00
MX35 Ultra™	Frozen sections	8	80	0.25	50	4.688 511	92,30
MX35 Premier+™	Hard tissue	8	80	0.25	50	4.688 510	84,60

Embedding cassettes PrintMate, Plastic, pore style round or slotted



For routine specimens, with loose lid. The embedding cassettes are comprehensively validated for print quality, processing quality and reliability during embedding and cutting.

- Opening and closing forces have been carefully adjusted
- The colour spectrum was selected for reliability during scanning
- Lid hinge on both sides

Package: 1 bag of 1000.

Colour	Dimensions (W x D x H) mm	Pore style	PK	Cat. No.	Price EUR
Blue	28,3 x 41 x 7	round	1000	4.688 417	71,60
Green	28,3 x 41 x 7	round	1000	4.688 418	71,60
Pink	28,3 x 41 x 7	round	1000	4.688 419	71,60
White	28,3 x 41 x 7	round	1000	4.688 420	71,60
Blue	28,3 x 41 x 7	slotted	1000	4.688 425	71,50
Green	28,3 x 41 x 7	slotted	1000	4.688 426	71,50
Pink	28,3 x 41 x 7	slotted	1000	4.688 427	71,50
White	28,3 x 41 x 7	slotted	1000	4.688 428	71,50

Biopsy bags, nylon



Biopsy bags made of blue, antistatic monofilament nylon, which allows optimal fluid circulation around the tissue and offers easy sample identification due to its blue colour.

Dimensions (D x W) mm	PK	Cat. No.	Price EUR
31 x 43	1000	4.688 546	199,10
45 x 65	1000	4.688 547	199,00
75 x 85	500	4.688 548	189,30

Muffle furnaces up to 1100 °C

SNOL



Muffle furnaces with fibre-insulated chambers and ceramic heating plates. Suitable for thermal treatments in industry, science and medicine.

- Side, top or down-opening door depending on model
- Outer casing made of powder-coated sheet metal
- Ceramic bottom plate
- Control panel in the lower part of the oven
- Incl. door safety switch
- Fast heating time
- Good stability and temperature distribution
- Low power consumption
- With Omron E5CC controller

Nom. capacity	Door opening	External dimensions (W x D x H) mm	Plug type	PK	Cat. No.	Price
L						EUR
3	Top	345 x 470 x 430	EU	1	4.669 202	1.440,00
8	Top	445 x 660 x 495	EU	1	4.669 203	1.830,00
8	Side	440 x 530 x 495	EU	1	4.669 204	1.600,00
8	Down	440 x 530 x 495	EU	1	4.669 205	1.770,00
13	Top	505 x 685 x 555	EU	1	4.669 206	2.260,00

LLG-Heat/Cold hand protector "TempHand", silicone rubber



Gripper made of red silicone rubber to protect hands when handling hot or cold vessels. Suitable for temperatures from -50 up to 250 °C. Two grip openings for quick and easy use. One size fits all, can be used on both sides. With non-slip grip surface.

-20%

Description	PK	Cat. No.	Price	Now
LLG-Heat/Cold hand protector "TempHand"	1	6.322 889	26,00	28,80

Stirring heating mantles LabHEAT® KM-MER series

ISOHEAT®



Incl. Magnetic Stirrer



LabHEAT® - Heating mantles for flasks, With built-in, separately switchable magnetic stirrer (infinitely variable speed up to 1600 rpm, stirring power 20 W) Control lamps for stirring and heating operation, max. heating conductor temperature 450 °C, 1.5 m mains connection cable with safety plug and personal protection switch, rated voltage 230 V AC.

-15%

Capacity	Flask diam.	Rating	Heating zones	PK	Cat. No.	Price	Now
ml	mm	W				EUR	EUR
100	64	100	1	1	9.642 545	628,00	533,80
250	85	150	2	1	9.642 546	639,00	543,15
500	105	200	2	1	9.642 547	685,00	582,25
1000	131	300	2	1	9.642 548	725,00	616,25

Safety Gloves, Heat Protection up to 1000 °C

EN 388 EN 407



1542 423444



- 5-finger glove
- Protection against contact heat short term up to 1000 °C
- Made of aramide fabric with special insulation
- Usable on both sides
- Abrasion resistant
- 1 pair per pack

Length: 400mm
EN: 388, 407

-30%

Description	PK	Cat. No.	Price	Now
Heat Protection, 5 finger	1	4.652 475	122,50	85,75

Circulator bath RC 2 lite/HRC 2 lite



For External Applications

IKA®



RC 2 lite: Powerful recirculating chiller for external cooling tasks down to -10 °C.

HRC 2 lite: Compact peripheral device designed for simple tempering tasks from -10 to 100 °C.

- Natural refrigerant R290
- Easy-to-clean stainless steel mesh filter
- Interfaces: RS 232, USB

Scope of supply RC 2 lite: Circulator bath, 2 x olive for DN 8 hoses
Scope of supply HRC 2 lite: Circulator bath, 2 x olive for DN 8 hoses, USB A-B cable

Specifications

Safety class:
 Cooling power (at 20 °C):
 Heat output HRC 2 lite:
 Working temperature range:

RC 2 lite // HRC 2 lite

I (NFL) // II (FL)
 400 W
 1000 W
 -10 °C ... RT //
 -10 °C ... 100 °C

Temperature stability in accordance with DIN 12876:

±0.5 K
 Filling volume: 1 ... 3.5 l
 Pump power pressure side/suction side: 0.35 bar/0.15 bar
 Max. flow rate: 18 l/min
 Permissible ambient temperature: 5 ... 32 °C
 Permissible relative humidity: 80 %
 Dimensions (W x D x H): 225 x 430 x 385 mm
 Weight: 24.5 kg // 24.9 kg
 Power supply: 230 V, 50/60 Hz
 IP code: IP 21

-14%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
RC 2 lite	EU	1	6.319 710	2.408,00	2.070,88
HRC 2 lite	EU	1	6.491 839	2.899,00	2.493,14

Refrigerated circulators CORIO™ CP



For Internal and External Applications

Julabo

NEW



With insulated stainless steel bath tanks, flexible performance and an operating temperature range of up to 200 °C.

- Suitable for internal and external applications
- Stainless steel bath tanks
- External pump connections M16x1
- Early warning system for low level
- Simple switchover between internal and external circulation
- Powerful, infinitely variable pump
- Natural refrigerant R290
- 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

Specifications

Setting accuracy: 0.01 °C
 Temperature uniformity: ±0.03 °C
 Temperature range: -30 ... 200 °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 litres	Cooling capacity kW at 20/0/-20 °C	Plug type	PK	Cat. No.	Price
						EUR
CP-310F	4	0,3 / 0,27 / 0,12	EU	1	4.685 630	4.973,00
CP-450F	4	0,44 / 0,37 / 0,16	EU	1	4.685 632	5.439,00

Digital water baths JB Nova

grant



With Lid



General-purpose water baths with stable temperature control and fast heating rate. Base tray and lid included as standard.

- Ambient +5 °C to 95 °C
- Unique Set and Forget™ technology, fast reliable temperature control
- Drain tap on 12L, 18L and 26L baths
- Practical front panel lock, deactivated OPERATING UNIT
- 3-year warranty

Accessory polypropylene spheres or a lid must be used at temperatures between +60 °C and +99 °C.

-6%

Type	Capacity of the bath litres	External dimensions (W x D x H) mm	Plug type	PK	Cat. No.	Price	Now
						EUR	EUR
JBN5	5	335 x 215 x 200	EU	1	9.905 870	727,00	692,78
JBN12	12	360 x 380 x 225	EU	1	9.905 871	852,00	800,88
JBN18	18	335 x 590 x 275	EU	1	9.905 872	1.010,00	949,40
JBN26	26	335 x 590 x 275	EU	1	9.905 873	1.182,00	1.112,02

Ultrasonic sieve-bath SONOREX SUPER RK 106

BANDELIN



Ultrasonic bath for cleaning of 1 test sieve with 200 mm diameter.
Please order sieve holder SH 7 separately.

- Stainless steel tank and housing
- Drip water protected
- With integral tank drain tap G 4 for easy emptying
- Radio shielded

Specifications

HF-Frequency: 35 kHz, SweepTec®
Temperature range: 30 ... 80 °C
Timer: 1 ... 15 min or continuous
Power supply: 230 V~, 50/60 Hz
IP code: IP 32

-22%

Type	Capacity of the bath litres	Plug type	PK	Cat. No.	Price	Now
RK 106	5.6	EU	1	9.877 106	EUR 1,146,00	EUR 893,88

Test sieve holder for Sonorex ultrasonic baths



Sieve holder for test sieve 200 mm diameter.

-22%

Type	For bath type	PK	Cat. No.	Price	Now
SH 7	RK/DT 106	1	9.877 784	EUR 57,00	EUR 44,46

Ear Defender uvex K1

uvex



Soft memory foam cushions are light and extremely comfortable to wear.

- Easy length adjustment
- Padded headband for optimal comfort
- Wearer comfort is ensured through soft surface

Sound protection (SNR): 28 dB(A)

-30%

Type	PK	Cat. No.	Price	Now
uvex K1	1	6.270 939	EUR 60,80	EUR 42,56

Ear Plugs

3M



Non-allergenic, comfortable polyurethane. Smooth surface, dirt-repellent and hygienic. Conical shape expands to fill the ear canal. Meets EN 352-2 requirements. Available with, or without, connecting cord.

Sound protection (SNR): 37 dB(A)

-30%

Type	PK	Cat. No.	Price	Now
Without cord	200	9.005 046	EUR 55,00	EUR 38,50
With cord	100	9.005 047	EUR 67,50	EUR 47,25

Ultra centrifugal mill ZM 300



- **Very Short Grinding Time**
- **Extensive Accessories**

The ultra centrifugal mill is used for high-speed size reduction of soft to medium-hard, as well as temperature-sensitive or fibrous materials. Thanks to the Push-Fit system and the patented cassette principle, the accessory components can be changed without tools.

- Touch display with rotary knob
- Integrated temperature sensor
- Very short grinding time
- Prevention of overloads by feeding the sample too quickly
- Two-stage pre- and fine grinding in one working run

Scope of supply: Ultra-centrifugal mill ZM 300, 900 ml cassette

Please order rotors and sieves separately.

Feed size:	< 10 mm
Final fineness:	< 40 µm
Speed range:	6000 ... 23000 rpm
Rotor diameter:	99 mm
Dimensions (W x D x H):	452 x 426 x 431 mm
Weight:	38 kg
IP code:	IP 20



Type	Supply requirements	PK	Cat. No.	Price
ZM 300	200 ... 240 V, 50/60 Hz	1	4.685 119	EUR 7.310,00



Cyclones for ZM 300

Cyclones incl. cassette bottom, with outlet and holder.

Description	PK	Cat. No.	Price
			EUR
With filter bag and sample jars 0.25 l and 0.5 l	1	4.685 135	2.300,00
With filter bag and collecting vessel 3 l	1	4.685 133	2.730,00
With filter bag and collecting vessel 5 l	1	4.685 132	2.730,00
With connection for hoover and sample jars 0.25 l and 0.5 l	1	4.685 134	1.960,00
With connection for hoover and collecting vessel 3 l	1	4.685 131	2.430,00
With connection for hoover and collecting vessel 5 l	1	4.685 130	2.430,00



Rotors for ZM 300

Description	PK	Cat. No.	Price
			EUR
Rotor, stainless steel, 6 teeth	1	9.739 064	1.760,00
Rotor, stainless steel, 12 teeth	1	9.739 065	1.760,00
Rotor, stainless steel, 24 teeth	1	9.739 066	1.760,00

Further Ring sieves and rotors available on request.

Ring sieves, stainless steel

For Ultra Centrifugal Mill ZM 300. With reinforced rim.

Description	Aperture size mm	PK	Cat. No.	Price
				EUR
Trapezoidal perforation	0,50	1	4.685 085	339,00
Trapezoidal perforation	1,00	1	4.685 087	339,00

pH Tester LLG-pH Pen



Cost efficient pH tester, ideal for testing small amounts of liquid and in narrow vessels.

- 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

-15%

Type	PK	Cat. No.	Price	Now
LLG-pH Pen	1	6.263 690	EUR 45,00	EUR 38,25

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

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

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



-25%

pH-value at 25 °C	Colour	Capacity ml	PK	Cat. No.	Price	Now
4.00	Red	250	1	9.040 868	EUR 13,00	EUR 9,75
7.00	Yellow	250	1	9.040 869	EUR 13,00	EUR 9,75
10.00	Blue	250	1	6.324 541	EUR 14,00	EUR 11,18

Multiparameter meters ProfiLine pH/Cond 3320



Professional pH and redox meter for mobile measurements. The pH/Cond 3320 has a robust, waterproof housing (IP67) and is equipped with a memory as well as a data logger with an adjustable interval between 1 s and 60 min. All entries contain GLP-supporting data, like the date, time and ID number. The modern, waterproof USB interface is used for easy and quick data transfers.

- Two inputs for the simultaneous measurement of pH/mV/ISE/redox potential and conductivity
- Backlit graphic display for the parallel display of the measured values
- Perfect for monitoring process applications
- Waterproof USB interface

Scope of supply pH/Cond 3320 Set:

Meter in transport case with SenTix® 41, TetraCon® 325, buffer solution STP 4 and STP 7, conductivity standard 0.01 mol/l KCl, manual, stand, beaker, CD-ROM, driver software for USB, batteries, cable



Specifications

Measuring range/Resolution

pH:	-2.000 ... 19.999 ±0.005 pH
mV:	-2500 ... +2500 ±1 mV
ISE (mg/l, µmol/l, mg/kg, ppm, %):	0.000 ... 999999
Conductivity:	0.000 µS/cm ... 1000 mS/cm
Salinity:	0.0 ... 70.0
TDS:	0 mg ... 199.9 g/l
Temp.:	-5.0 ... 105.0 °C ±0.1 °C
Memory:	Manually 200/5000 automatically
Power supply:	4 x 1.5 V AA or 4 x 1.2 V NiMH battery

IP code:

IP 67

-10%

Type	PK	Cat. No.	Price	Now
pH/Cond 3320 Set	1	6.262 509	EUR 1,753,00	EUR 1,577,70

LLG-Indicator paper sticks



Additional Measuring Ranges

For pH determination. Box of 100 indicator paper sticks of 80 mm length.



-25%

Range	Package contents	PK	Cat. No.	Price	Now
pH				EUR	EUR
0 ... 14	100 sticks per pack	100	9.129 807	EUR 12,80	EUR 9,60
5.5 ... 9	100 sticks per pack	100	6.322 832	EUR 9,20	EUR 6,90
0 ... 6	100 sticks per pack	100	6.322 833	EUR 9,40	EUR 7,05

Multiparameter meters MultiLine® 3510 IDS



Professional digital multiparameter meters for mobile measurement. Sequential multi-parameter measurement. All WTW IDS pH, ORP, dissolved oxygen sensors, conductivity cells and turbidity sensors can be connected to the universal channel, either with cable or wireless module. Data transfer to PC with MultiLab® Importer. With Mini USB-B interface and black/white display.

Multi 3510 IDS:

Single meter in a carrying case with buffer 4, 7, KCl 3 mol/l, conductivity standard, batteries, USB cable

Multi 3510 IDS SET:

Meter in a carrying case with optical oxygen sensor FDO® 925, batteries, USB cable



Specifications

Memory:	manual: 500 data records automatic: 4500 data records
Dimensions (W x D x H):	approx. 180 x 80 x 55 mm
Weight:	400 g
Power supply:	4 alkaline batteries, USB
IP code:	IP 67

-10%

Type	Description	PK	Cat. No.	Price	Now
				EUR	EUR
Multi 3510	1 channel, meter only	1	6.282 979	945,00	850,50
Multi 3510 SET	1 channel, with FDO® 925	1	6.270 393	1.841,00	1.656,90

pH electrodes InLab® Expert Pro



METTLER TOLEDO

pH-combination electrode with chemically resistant PEEK shaft, ARGENTAL™ reference system. Fixed BNC/RCA (Cinch) cable. InLab® Expert Pro ISM for SevenCompact and SevenExcellence.

Specifications

Temperature range:	0 ... 100 °C
pH range:	0 ... 14 pH
Temperature sensor:	NTC 30 kΩ
Length/Diam.:	120 mm/12 mm
Electrolyte:	XEROLYT® polymer
Diaphragm:	open junction
Membrane resistance at 25 °C:	< 250 MΩ

-20%

Type	Connector	Cable	PK	Cat. No.	Price	Now
		m			EUR	EUR
InLab® Expert Pro-ISM	BNC/RCA	1.2	1	9.041 508	356,00	284,80
InLab® Expert Pro	BNC/RCA	1.2	1	9.041 506	315,00	252,00

pH/mV meter Orion™ Lab Star PH111



thermo
scientific

- Compact Tabletop Meter
- Up to 5-point pH Calibration



Compact pH/mV benchtop meter for simple pH analyses in the laboratory.

- Simultaneous measurement and display of pH, mV, and temperature
- Large 5" LCD display with backlighting
- 1 to 5-point pH calibration and 1-point ORP calibration
- Calibration with automatic buffer recognition or manual entry within the same calibration
- Stabilisation and ready indicators signal when measurements are complete
- Electrode icon on the display shows the status of the pH electrode
- Memory for up to 500 data points
- Easy data export with the supplied PC cable
- With electrode stand for easy positioning of the probe in the sample
- Logs with date and time stamp for GLP-compliant work

Scope of supply: pH/mV meter, electrode stand, refillable pH/ATC electrode, pH buffer and solution kit, PC cable, universal power supply with plug adapter EU and UK

Specifications

pH range:	-2.000 ... 18.000
Resolution:	0.1/0.01/0.001
Accuracy:	±0.005 pH ±1 lowest digit
Calibration points:	Up to 5 points
mV range:	±2000 mV
Resolution:	0.1 mV
Accuracy:	±0.2 mV or ±0.05 % of the measured value - the higher value applies in each case
Calibration points:	1 point
Temperature range:	-5 ... 105 °C
Resolution:	0.1 °C
Accuracy:	±0.3 °C
Calibration points:	1 point
Dimensions (W x D x H):	155 x 198 x 62 mm
Weight:	0.7 kg
Power supply:	100 ... 240 V, 50 ... 60 H
IP code:	IP 54

-15%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Lab Star PH111	1	6.491 802	865,00	735,93

Conductivity Measurement

Conductivity meters FiveEasy™ F30/FiveEasy™ Plus FP30



FiveEasy™ and FiveEasy™ Plus benchtop meters provide high quality conductivity measurements with the simple click of a button.

- Large, easy to read and easy to understand display with all information visible at a glance
- Electrode arm extension pole included

Scope of supply:

F30/FP30-Meter: Meter with CD operating instructions, QuickGuide, declaration of conformity, test certificate, universal power supply with plug adapter EU and UK

F30/FP30-Standard: as F30/FP30-Meter, plus LE703 conductivity sensor, 1 each x 1413 µS/cm and 12.88 mS/cm standard sachets

Specifications

Measuring range (Accuracy)

Conductivity F30/FP30: 0.01 µS/cm ... 200 mS/cm/
0.01 µS/cm ... 500 mS/cm
(±0.5 % of measured value)

TDS F30/FP30: 0.01 mg/l ... 200g/l/0.01 mg/l
l ... 300 g/l

Temperature F30/FP30: 0 ... 100 °C (0.5 °C)/-5 ... 105 °C
(0.3 °C)

Calibration: 1 point, 3 predefined standards

Temperature compensation: Linear: 0.00 %/°C ... 10.00 %/°C

Reference temperature: 20 °C and 25 °C

Power supply: 100 ... 240 V/50 ... 60 Hz/12 V DC

FP30 only

Salinity: 0.00 ... 42 psu

Memory: 200 measurements

Interface: RS232, USB

-20%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
F30-Meter	1	6.280 107	965,00	772,00
F30-Standard Kit	1	6.280 108	1.120,00	896,00
FP30-Meter	1	6.280 109	1.135,00	908,00
FP30-Standard Kit	1	6.280 110	1.250,00	1.000,00

Conductivity testers Expert CTS

For accurate measurement of conductivity, TDS, and salinity in one single instrument.

thermo
scientific

- Large 4 digit double line display
- Display of battery life, status and re-calibration
- Automatic temperature compensation (ATC)
- Auto conductivity buffer recognition and calibration
- Selectable TDS factor: 0.40 to 1.00

Specifications

Conductivity range: 0.00 ... 20.00 mS/cm
Accuracy: ±2 % full scale ±1 LSD
TDS range: 0 ... 20000 ppm
Accuracy: ±2% full scale ±1 LSD
Salinity range: 0 ... 10000 ppm
Accuracy: ±2 % of full scale ±1 LSD
Temperature range: 0 ... 50 °C
Resolution: 0.1 °C
Operating temperature: 5 ... 45 °C
Dimensions (W x L x H): 45 x 170 x 30 mm
Power supply: Incl. 4 batteries
(A76 or LR44 equivalent)

IP code: IP 67
Warranty: 1 year

-20%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
Expert CTS	1	6.284 906	99,40	79,52

Conductivity Standards



Reagecon

Conductivity standards tested and ISO 17025 certified at 25 °C. Uncertainty of measurement of ±1%. Directly traceable to N.I.S.T. Temperature dependence data is printed on the label as are lot numbers and expiry dates. HDPE bottles.

-40%

Type	Capacity	PK	Cat. No.	Price	Now
µS/cm	ml			EUR	EUR
1.3*	250	1	6.225 059	209,20	125,52
5	500	1	6.901 629	209,20	125,52
10	500	1	6.901 622	209,20	125,52
20	500	1	6.802 901	209,20	125,52
50	500	1	6.074 754	209,20	125,52
100	500	1	6.234 859	209,20	125,52
500	500	1	6.205 415	209,20	125,52
1000	500	1	6.901 670	209,20	125,52

*1.25 - 1.35 µS/cm at 25 °C.

LLG-Conductivity Solutions



LLG
LABWARE

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

-15%

Type	Capacity	PK	Cat. No.	Price	Now
	ml			EUR	EUR
84 µS/cm	500	1	9.040 861	34,70	29,50
147 µS/cm	500	1	9.040 862	34,70	29,50
1.413 µS/cm	500	1	9.040 863	34,70	29,50
12.880 µS/cm	500	1	9.040 864	34,70	29,50

Infra-red thermometers, testo 830-T1



Infrared thermometer for non-contact measurement of surface temperatures. Laser measurement point marker and large optics for exact measurement even at medium distances.

- Fast recording of measurement values at 2 measurements per second
- Adjustable emissivity
- 2 adjustable alarm limit values
- Hold function and display of min./max. values

Scope of supply: Thermometer, batteries, works calibration certificate

Specifications

Measuring range:	-30 ... +400 °C
Accuracy:	±1.5 °C or 1.5 % of measured value (+0.1 ... +400 °C) ±2 °C or ±2 % of measured value (-30 ... 0 °C) larger value counts
Resolution:	0.1 °C
Measuring spot marking:	1-point-laser
Distance to measured spot:	10:1
Dimensions (W x D x H):	38 x 75 x 190 mm
Weight:	200 g
Power supply:	9 V block batterie

Type	PK	Cat. No.	Price
testo 830-T1	1	9.718 418	EUR 72,00

Precision thermometers ACCU-SAFE, stem shape



Precision thermometer for temperature measurement for daily laboratory use.

- White enameled, round capillary
- Stem shape
- Environmentally friendly, blue filling
- Tolerance ±0.2 °C

Measuring range:	-20 °C ... 102 °C
Division:	0.2 °C
Length:	435 mm
Diameter:	6 ... 7 mm
Immersion depth:	total

Description	PK	Cat. No.	Price	Now
calibratable, without certificate	1	6.324 925	EUR 116,50	EUR 104,85

-10%

Combi infrared and insertion thermometer TLC 750i-V2



Handy infrared thermometer for non-contact measurement of surface temperature or core temperature with the foldable insertion probe. Ideal for time-saving, precise temperature measurements during goods receipt, as well as during storage and transport of goods and foodstuffs.

- Practical pocket size for daily use
- Simplified operation
- Backlit display allows reading in dark environment
- Rotating display makes it easy to read the measured value
- Double laser pointer
- Optics 8:1
- HACCP and DIN EN 13485 compliant, incl. calibration certificate
- Waterproof housing (IP 65)

Specifications

Temperature infrared:	-50 ... 250 °C
Resolution infrared:	0.1 °C
Accuracy sensor:	±0.5 °C (-30 ... 99 °C)
Accuracy infrared:	±1.0 °C (0 ... 65 °C)
Dimensions (WxDxH):	44 x 170 x 23 mm
Weight:	140 g

-15%

Type	PK	Cat. No.	Price	Now
TLC 750i-V2	1	6.491 695	EUR 128,00	EUR 108,80

LLG-General purpose thermometers economy

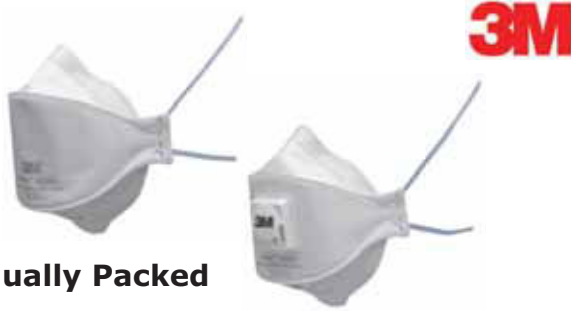


Solid stem, with loop, capillary yellow enameled, graduation resistant against acids and alkalis. Red filling environmentally friendly filling.

-35%

Measuring range °C	Graduations °C	Length mm	Diam. mm	PK	Cat. No.	Price EUR	Now EUR
-10 ... 50	1	300	6	10	4.679 534	87,00	56,55
-10 ... 100	1	300	6	10	4.679 530	97,00	63,05
-10 ... 150	1	300	6	10	4.679 531	105,00	68,25
-10 ... 200	1	300	6	10	4.679 532	105,00	68,25
-10 ... 250	1	300	6	10	4.679 533	167,00	108,55

Respirators Aura™ 9300+ Series, Folding Masks



Individually Packed

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
- Barely perceptible breathing resistance
- 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
- Flat-fold; easy to store when not in use
- Hygienic individual packaging helps protect the respirator from contamination before use

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

-35%

Type	Protection-level	PK	Cat. No.	Price	Now
Aura™ 9322+	FFP2	10	9.005 673	EUR 49,20	EUR 31,98
Aura™ 9332+	FFP3	10	9.005 675	EUR 98,30	EUR 63,90

LLG-Disposable Protective Suits, PP



White PP non-woven 30 g/m², with hood and zipper, elastic band on the hood and on the wrists and ankles, latex-free

-40%

Size	PK	Cat. No.	Price	Now
			EUR	EUR
L	10	6.282 791	31,40	18,66
XL	10	6.282 792	31,40	18,84
XXL	10	6.282 793	32,50	19,50

Working and Chemical Protective Apron SIERRA



The SIERRA apron is suitable for usage in chemical industries and engineering. It is a reusable protective clothing against accidental spills (Type PB[6]) of some liquid chemical products and against chemical permeation and jet liquid (Type PB[3]), especially NaOH soda at 40 %, H2SO4 sulfuric acid at 40 %, butan-1-ol and o-xylene. The SIERRA apron resists water spray or oil spray to 180 °C.

- With brass eyelets and discs in nickel-free finish
- This apron is consistent with the requirements of European Directive 89/686/EEC.
- NF EN 340: 2003, NF EN 13034 + A1 2009 Type PB [6], NF EN 14605 + A1 2009 Type PB [3]
- Apron in accordance with Article 33 of the REACH Regulation N°1907/2006 on products containing SVHC and its amendments.
- Does not contain phthalate, silicone (and silicone derivatives), or bisphenols.

Material: Vinyl on polyester support
Thickness: 630 µm (±20)
Weight: 750 g/m²

-35%

Width	Length	Colour	PK	Cat. No.	Price	Now
mm	mm				EUR	EUR
900	1200	white	10	6.291 678	295,30	191,95
900	1200	brown	10	6.291 679	295,30	191,95

Skin Protection Cream LINDESA® PROFESSIONAL with Beeswax



Proven Quality

Slightly greasy, quickly absorbed. Smoothes and nourishes without lasting greasiness.

-40%

Capacity	PK	Cat. No.	Price	Now
ml			EUR	EUR
50	10	4.665 408	43,50	26,10
100	10	4.665 407	75,50	45,30

Disposable Gloves Format, Nitrile

EN ISO 374-1
Type C
EN ISO 374-5
EN 420



Non-sterile, powder-free, hypoallergenic, with beaded cuff and microroughened surface.

EN 455 T 1-3, CE. Type examination test acc. EN 374.

Cat. III Low Chemical resistant.

Supplied in dispenser box containing 100 gloves.

According to EN ISO 374-1:2016/Type C,
EN ISO 374-5:2016, EN 420

-30%

Size	PK	Cat. No.	Price	Now
			EUR	EUR
XS (5 to 6)	100	9.005 344	17,10	11,97
S (6 to 7)	100	9.005 345	17,10	11,97
M (7 to 8)	100	9.005 346	17,10	11,97
L (8 to 9)	100	9.005 347	17,10	11,97
XL (9 to 10)	100	9.005 348	17,10	11,97

Disposable gloves MICROFLEX® 94-242, nitrile

EN ISO 374-1
Type B
EN ISO 374-5
EN 16350:2014



NEW



- **With Carrying Case**
- **For Infrared or White Light**



Static dissipative glove

- Exceptional protection from electrostatic discharge
- Low vertical resistivity: below $10^8 \Omega$
- TNT™ Chemical Splash Resistance Technology
- Ambidextrous
- Textured fingers
- Rolled edge
- Powder free

According to EN ISO 374-1:2016/Type B (JKPT), EN ISO 374-5:2016 (VIRUS), EN 16350, Food-safe

Length: 245 mm
Thickness: 0.12 mm
Colour: black
Interior finish: chlorinated
AQL: 1.5

-40%

Size	PK	Cat. No.	Price	Now
			EUR	EUR
S (6.5 - 7)	100	4.688 603	33,00	19,80
M (7.5 - 8)	100	4.688 604	33,00	19,80
L (8.5 - 9)	100	4.688 605	33,00	19,80
XL (9.5 - 10)	100	4.688 606	33,00	19,80
XXL (10.5 - 11)	100	4.688 607	33,00	19,80

LLG-Disposable Gloves classic, Latex

EN ISO 374-1
Type C
EN ISO 374-5
EN 420



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

- Skin-friendly
- Powder-free
- Excellent tactile sensitivity
- 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 374-5:2016, EN 420 Suitable for food handling.
You can find the appropriate compatibility list on www.llg-labware.com in the Downloads section.

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

-15%

Size	PK	Cat. No.	Price	Now
			EUR	EUR
S	100	9.006 383	12,50	10,63
M	100	9.006 384	12,50	10,63
L	100	9.006 385	12,50	10,63
XL	90	9.006 386	12,50	10,63

Universal Holder DRACULA



The holder is used to hold dispenser boxes up to 140 mm in size.

- Dispenser holders made of polystyrene with two adhesive strips on the back for mounting on smooth, non-porous surfaces
- The dispenser holders are also provided with two screw holes for permanent installation
- To insert box, push top of holder upwards with the box
- The teeth will clamp down on box and hold it securely in place

-20%

Dimensions (W x D x H) mm	PK	Cat. No.	Price	Now
			EUR	EUR
100 x 20 x 190	1	4.688 613	12,00	9,60

LLG-Safety Eyeshields *lady*



- CE approved to EN 166 and EN 170
- Panoramic wrapping lens
- 180° visual field
- Frame made of tested hypo-allergenic material
- Temples with rubber tips, adjustable in length and inclination
- Nosepad and terminal tips made from soft, moldable material for optimal comfort and individual customisation
- 100 % UV protection (up to 400 nm)
- Weight only 25 g

-17%

Colour	Lens	PK	Cat. No.	Price	Now
				EUR	EUR
white/green	clear, AF+, AS+, 2C-1.2 U 1 FT KN CE	1	9.006 007	11,90	9,88
white/pink	clear, AF+, AS+, 2C-1.2 U 1 FT KN CE	1	9.006 008	11,90	9,88
black/green	clear, AF, AS, 2C-1.2 U 1 FT CE	1	9.006 009	10,20	8,47

LLG-Disposable Protective Visors



- Transparent visor made of acetate
- With anti-fog coating
- Head holder made of TPU-foam with elastic
- Ideal as a disposable protection, for example, for visitors
- Can be worn over prescription glasses and protective masks
- Weight: 22 g

-35%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
LLG-Disposable Protective Visors	20	6.284 812	89,50	58,18

Working and Chemical Protective Apron AlphaTec®, PVC



- PVC fabric: Protection from acids, bases, punctures, and abrasion
- Sealed grommets with adjustable ties (122 cm): Easy adjustment with no tear-out

-20%

Colour	Width	Length	Thickness	PK	Cat. No.	Price	Now
	mm	mm	mm			EUR	EUR
Green	838	1118	0.46	1	4.688 610	9,90	7,92
White	838	1118	0.46	1	4.688 611	9,90	7,92

Chemical Protection Glove Ultranitrile 492, Nitrile

EN ISO 374-1

Type A



AJKOPT

EN ISO 374-5



VIRUS

EN 388



3101X



Green nitrile glove with cotton flock liner. Anatomical shape. Good grip finish on palm and fingers. High mechanical resistance. Excellent chemical protection against alcohols, oils, greases and hydrocarbons. Thin material for increased dexterity. Comfort, due to the quality of the flock-lining. Cat. III
Packing with 10 pair.

Length: 320 mm
Thickness: 0.38 mm
Colour: green

-37%

Size	PK	Cat. No.	Price	Now
			EUR	EUR
XS (6)	10	4.686 092	47,60	29,99
S (7)	10	4.686 093	47,60	29,99
M (8)	10	4.686 094	47,60	29,99
L (9)	10	4.686 095	47,60	29,99
XL (10)	10	4.686 091	47,60	29,99

Overshoe dispenser HYGOMAT COMFORT/CLEANROOM



franz
mensch
HYGIENE –
natürlich von Mensch

- No electrical power needed
- Easy to use, no need for bending over
- Easy and quick handling
- With handrail for extra comfort
- Capacity: two packs of overshoes
- With window for easy control of rest capacity
- Refilled with overshoes within seconds
- Weight: 21 kg

-20%

Description	PK	Cat. No.	Price	Now
			EUR	EUR
COMFORT, 740 x 300 x 730 mm	1	6.257 283	488,80	391,04
CLEANROOM, stainless steel, 740 x 300 x 730 mm	1	6.269 779	545,70	436,56

Overshoes for dispenser HYGOMAT



franz
mensch
HYGIENE –
natürlich von Mensch

6257285:

- Polypropylene nonwoven, CPE coated, white
- Waterproof sole
- Very slip resistant
- Perfect for smooth surface

6257286:

- PP overshoe with CPE sole, blue
- Polypropylene nonwoven
- At the top nonwoven, at the bottom strong waterproof CPE sole
- Very tearproof and slip resistant

6257287:

- CPE (Cast Polyethylene), blue
- Strong quality, approx. 60 micron
- Light protection against liquids

6257288:

- Polypropylene nonwoven, blue
- At the bottom structure made of CPE
- Permeable to air and light slip resistant
- For dry areas

-25%

Length	PK	Cat. No.	Price	Now
			EUR	EUR
mm				
440	80	6.257 285	28,80	21,60
440	70	6.257 286	22,40	16,80
470	110	6.257 287	17,00	12,75
460	100	6.257 288	19,10	14,33

Adhesive Mats ASPURE, MDPE



Removes dust and dirt from shoe soles in different adhesive levels with a thickness of 35 µm per layer.

If the top adhesive mat is soiled, you can simply remove this layer and work directly on the next one of the stack. The number of remaining mats on the stack is indicated by the number in the corner.

Medium adhesive, 30 layers. 1 carton with 10 mats, 30 layers.

-35%

Dimensions (D x W)	Thickness	Colour	PK	Cat. No.	Price	Now
mm	µm				EUR	EUR
450 x 900	35	blue	10	4.659 087	187,80	122,07
600 x 900	35	blue	10	4.659 088	210,50	136,83
600 x 1200	35	blue	10	4.659 089	218,80	142,22
450 x 900	35	white	10	4.659 092	187,00	121,55
600 x 900	35	white	10	4.659 090	210,50	136,83
600 x 1200	35	white	10	4.659 091	218,80	142,22

Cleanroom Wipes KIMTECH® Pure*W4



Kimberly-Clark
PROFESSIONAL®

Exceptional
Workplaces®

- 100 % Polypropylene white base sheets
- Dry wiping of critical equipment and surfaces in pharmaceutical
- Acid-, base-, and solvent resistant
- Thermally bonded with no glue or binding and straight
- Knife-cut edges
- Minimises lint

-35%

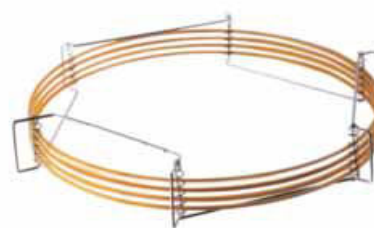
Type	Cleanroom Class	Dimensions	PK	Cat. No.	Price	Now
		mm			EUR	EUR
KIMTECH® Pure* W4	ISO 4	228 x 228	5	6.241 504	127,10	82,62

Capillary columns



HT8/Fast PCB

8 % Phenyl Polycarborane-siloxane. Ultra high temperature columns for polychlorinated biphenyl compounds (PCB), nitro-substituted aromatics, polynuclear aromatic hydrocarbons, pesticides and herbicides.



-25%

Int. diam.	Length	Film thickness	Temp. range	Type	PK	Cat. No.	Price	Now
mm	m	µm	°C				EUR	EUR
0.10	10	0.10	-20 °C... 360 / 370 °C	Fast PCB	1	6.233 627	402,90	302,18
0.25	30	0.25	-20 °C... 360 / 370 °C	HT8	1	6.207 027	725,50	581,63

GC BPX5

5 % Phenyl Polysilphenylene-siloxane. General purpose GC column for routine gas chromatographic analysis. Suitable replacement for: DB-5, DB-5ms, DB-5.625, XTI-5, Rtx-5ms, Ultra-2, HP-5, HP-5MS, HP5-TA, SPB-5, MDN-5S, CP-Sil8CB, Rxt-Sil 5MS, AT-5ms, VB-5, ZB-5, VF-5ms.

-25%

Int. diam.	Length	Film thickness	Temp. range	PK	Cat. No.	Price	Now
mm	m	µm	°C			EUR	EUR
0.25	30	0.25	-40 °C... 360 / 370 °C	1	6.089 900	700,40	525,30
0.32	12	1.00	-40 °C... 360 / 370 °C	1	7.635 438	400,00	367,50
0.53	25	0.25	-40 °C... 360 / 370 °C	1	6.313 876	825,00	618,75

GC BP5

5 % Phenyl/95 % Dimethyl Polysiloxane. Low bleed. General purpose GC column for all routine analyses such as aromatics, pesticides, herbicides, hydrocarbons. Suitable replacement for: DB-5, Rtx-5, HP-5, Ultra-2, PTE-5, SPB-5, MDN-5, CP-Sil 8CB, VB-5, ZB-5, VF-5ms.

-25%

Int. diam.	Length	Film thickness	Temp. range	PK	Cat. No.	Price	Now
mm	m	µm	°C			EUR	EUR
0.53	30	5	-60 °C... 280 / 300 °C	1	6.319 574	712,60	534,45

HT5

5 % Phenyl Polycarborane siloxane. Ultra-high temperature columns for simulated distillation applications, general hydrocarbon profiles, pesticides, herbicides and for GCMS applications.

-25%

Int. diam.	Length	Film thickness	Temp. range	PK	Cat. No.	Price	Now
mm	m	µm	°C			EUR	EUR
0.22	25	0.1	10 °C... 380 / 400 °C	1	4.667 654	762,10	571,58

GC BPX90

90 % Cyanopropyl Polysilphenylene-siloxane. For the fast separation of fragrances, aromatics, pesticides, PCB, isomers of fatty acid methyl esters.

-25%

Int. diam.	Length	Film thickness	Temp. range	PK	Cat. No.	Price	Now
mm	m	µm	°C			EUR	EUR
0.25	60	0.25	80 °C... 260 / 280 °C	1	6.225 162	1.364,40	1.023,30

Exhaust filters V3.0, GL 14

The exhaust air filters are equipped with three different activated carbon layers, which bind acids and alkalis and adsorb organic solvent vapours. Depending on the required capacity, filter with different service lives are available.

- Filter media with a very high performance spectrum for acids and alkalis
- Optimised for binding buffer solutions and solvent vapours
- With splash guard
- 1500 m²/g adsorption surface area



-15%

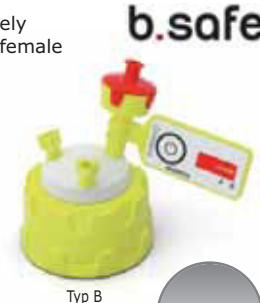
Filter size	Life time	PK	Cat. No.	Price	Now
				EUR	EUR
S	3 months	4	4.681 461	209,00	177,65
M	6 months	2	4.681 458	169,00	143,65
L	12 months	1	4.681 462	139,00	118,15

b.safe-Caps, GL45, PPS

Screw cap for thread GL 45 made of PPS, freely turnable distributor body made of PTFE with female threads for connecting capillary tubing (O. D. 3.2 mm) or a b.safe air valve.

Scope of supply:

- Cap A:** 2 x connections, 1 x fitting (PFA), 1 x air valve
- Cap B:** 3 x connections, 2 x fittings (PFA), 1 x blind fitting (PFA), 1 x air valve
- Cap C:** 4 x connections, 3 x fittings (PFA), 2 x blind fittings (PFA), 1 x air valve



Typ B

-12%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
A	1	6.313 834	63,70	56,06
B	1	6.313 835	72,00	63,36
C	1	6.313 836	74,80	65,82

Turbidity meter TB350 IR and TB350 WL



TB350 IR



TB350 WL



- With
- Carrying Case For Infrared or White Light

The mobile turbidimeters are characterised by the use of Multipath 90° BLAC® technology. Here, samples with low and high turbidity can be analysed purely nephelometrically with the highest accuracy over the entire measuring range up to 4000 NTU. By eliminating stray light, highly accurate results are achieved at low turbidity down to 0.01 NTU.

Scope of delivery: Instrument, carrying case with plastic insert, T-CAL® calibration and verification standards, silicone oil, sample vials with black lids, cleaning cloth, brush for sample vials, screwdriver, AA batteries.

TB350 IR:

With infra red LED light source (860 nm), acc. to ISO 7027.
Incl. Turbidity standards with 5, 20, 800 and 4000 NTU.

TB350 WL:

With white light LED light source, acc. to EPA (pending).
Incl. Turbidity standards with 5, 20, 800, 2000 and 4000 NTU.

Specifications

Measuring range:

Resolution:

Accuracy:

Reproducibility:

Dimensions

(W x D x H):

Weight:

Power supply:

IP code:

TB350 IR || TB350 WL

0 ... 4000 NTU

0.01 NTU

±1.8 % + <0.014 NTU

<1 %, ±0.01 NTU

155 x 225 x 83 mm

898 g

100 ... 240 V, 50/60 Hz,

4 x AA batteries || 4 x AA batteries

IP 67

-5%

Type	PK	Cat. No.	Price	Now
			EUR	EUR
TB350 IR	1	6.322 835	1,949,00	1.851,55
TB350 WL	1	6.321 184	1,949,00	1.851,55

Spectrophotometer LLG-uniSPEC 1



- Universally Applicable
- Stand-alone Device



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 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:

Wavelength range:

Bandwidth:

Wavelength accuracy:

Wavelength setting:

Photometric accuracy:

Photometric repeatability:

Photometric range:

Photometric mode:

Stray light:

Display:

Light source:

Output:

Dimension (W x D x H):

Weight:

Power supply:

Single beam, grating 1200 lines/mm

190 ... 1000 nm

2 nm

±2 nm

Auto

±0.5 % T

≤0.2 % T

-0.3 ... 3 A, 0 ... 200 % T, 0 ... 9999 C

T, A, C, F

≤0.1 % T

LCD, 128 x 64 Dots

Tungsten and deuterium lamp

USB port, parallel port

420 x 280 x 180 mm

12 kg

85 ... 250 V

-22%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG-uniSPEC 1	EU/UK	1	6.263 636	2,549,00	1.981,20

Disposable cuvettes



Kartell

Disposable cuvettes for spectroscopy made of PS or PMMA for optimum transmission when using wavelengths from 340 to 800 nm (PS) or from 280 to 800 nm (PMMA). Measurement tolerance of ±1 %. Layer thickness: 10 mm.

-35%

Description	Capacity	Material	PK	Cat. No.	Price	Now
	ml				EUR	EUR
Standard cuvettes	4.5	PS	100	9.406 431	20,00	13,00
Semi-micro cuvettes, low form	1.5	PS	100	9.406 432	20,60	13,39
Semi-micro cuvettes, high form	2.5	PS	100	9.406 433	21,50	13,98
Standard cuvettes, 4 clear faces	4.5	PS	100	9.406 434	17,80	11,57
Standard cuvettes	4.5	PMMA	100	9.406 435	28,80	18,72
Semi-micro cuvettes, high form	2.5	PMMA	100	9.406 436	28,10	18,27
Semi-micro cuvettes, low form	1.5	PMMA	100	9.406 437	32,50	21,13
Standard cuvettes, 4 clear faces	4.5	PMMA	100	9.406 438	25,20	16,38

Analytical balances ABP/ABP-A



Internal Adjustment

KERN

This new generation of analytical balances combines the highest level of precision with large weighing capacities. Thanks to the new Single-Cell Generation, the weighing result is displayed in a fraction of the time with comparable models. The multifunctional weighing plate (only for models with readability 0.01 mg) minimises the effect of air currents in the weighing chamber and therefore significantly improves the stabilisation time and repeatability. In addition samples, sample paper, PCR tubes and microcentrifuge tubes can be easily fixed and weighed.



- OLED display
- Navigation pad for super quick navigating through the menus
- Automatic internal adjustment in the case of a change in temperature $\geq 1^\circ\text{C}$ or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- The minimum weight of sample can be manually stored in the balance or automatically calculated, with warning message when the weighing is below this value
- Dosage aid: High-stability mode and other filter settings can be selected
- Simple recipe weighing and documenting with a combined tare/print function
- Menu language DE, GB
- Automatic data output to the PC/printer each time the balance is steady
- USB data interfaces and RS-232
- Large glass draught shield with 3 sliding doors for easy access to the items being weighed (ABP)
- With three automatic sliding doors, which can be opened and closed using sensors (ABP-A)
- Integrated ioniser (ABP-A)

Scope of supply: Analytical balance, protective working cover, universal mains adapter

Specifications

Overall dimensions, incl. draught shield
ABP (W x D x H): 213 x 407 x 344 mm

Overall dimensions, incl. draught shield
ABP-A (W x D x H): 220 x 370 x 350 mm

Plug type: EU/UK/CH/US/AUS

Net weight: 8 kg

Power supply: 220 ... 240 V AC, 50 Hz

-20%

Type	Weighing range	Readability	Plate diam.	PK	Cat. No.	Price	Now
	g	mg	mm			EUR	EUR
ABP 100-5M	135	0.01	91	1	6.321 067	4.290,00	3.432,00
ABP-A 100-5AM	135	0.01	91	1	6.325 002	9.230,00	7.384,00
ABP 200-4M	220	0.1	91	1	4.667 749	2.710,00	2.168,00
ABP-A 200-4AM	220	0.1	91	1	6.325 003	5.990,00	4.792,00

Balance brush



Oval.

-25%

Type	Size	Diam.	PK	Cat. No.	Price	Now
		mm			EUR	EUR
Brush	1	5	5	6.320 168	21,00	15,75
Brush	2	6	5	6.320 169	24,00	18,00
Brush	4	9	5	6.320 171	32,00	24,00
Brush	6	12	2	6.320 170	17,30	12,98
Brush set*	2, 4, 6		1	6.266 825	35,70	26,78
Brush	6	12	1	6.266 808	15,60	11,70

*consisting of one brush each size 2/6 mm, size 4/9 mm and size 6/12 mm

Precision balances Pioneer® PX



- Large LCD Display
- For GxP Documentation



Powerful, economical scales with high accuracy and repeatability. For weighing, piece counting, percentage weighing, dynamic weighing and density determination.

- 2 line, backlit LCD display
- 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
- 4 menu languages

Please note:

Models with extra code /E with external calibration, all other models with internal calibration, models with extra code M are approved instruments according to EN 45501; OIML R76.

Specifications

Permissible ambient temperature: 10 ... 30 °C

Weighing plate (Ø): 180 mm

Height in draftshield: 235 mm

Dimensions (W x D x H): 209 x 321 x 98 mm

Weight: 3.5 kg

Power supply: 100 ... 240 V, 50/60 Hz

Plug type: EU/UK

-20%

Type	Weighing range	Readability	PK	Cat. No.	Price	Now
	g	g			EUR	EUR
PX3202/E*	3200	0,01	1	4.663 338	1.040,00	832,00
PX3202M**	3200	0,01	1	4.663 340	1.530,00	1.224,00
PX4201	4200	0,1	1	4.663 345	1.230,00	984,00
PX4201/E*	4200	0,1	1	4.663 344	985,00	788,00
PX4201M**	4200	0,1	1	4.663 346	1.425,00	1.140,00
PX6202/E*	6200	0,1	1	4.681 175	1.185,00	948,00
PX6202	6200	0,1	1	4.681 176	1.415,00	1.132,00
PX6202M**	6200	0,1	1	4.685 014	1.655,00	1.324,00

*external calibration

**approved acc. to EN 45501; OIML R76

LLG-Sample dishes, Aluminium



High quality aluminium sample dishes, for moisture determination.

-20%

Description	Diam.	Height	PK	Cat. No.	Price	Now
	mm	mm			EUR	EUR
Sample dishes	90	7	80	6.282 670	44,10	35,28
Sample dishes	100	7	80	6.265 408	45,00	36,00
Sample dishes with rim	100	7	80	6.281 537	45,00	36,00

Vacuum pump systems LABOPORT® SR 820 G/SR 840 G



Vacuum pump systems, consisting of chemically resistant diaphragm vacuum pump, base plate and two separators on suction and pressure side, for titrations, degassings, liquid aspirations, centrifugal concentrations and vacuum furnaces. The PTFE pump head and PTFE-coated diaphragm make the vacuum systems suitable for aggressive/corrosive gases and vapours.

- 100 % oil-free delivery
- High steam and condensate compatibility
- Integrated gas ballast valve
- Three-colour status display (in operation/stand-by/fault)
- Integrated speed control
- Start-up against ultimate vacuum of the pump
- Modularly expandable

Specifications

Tube connections:	Inlet: ID 8 ... 9.5 mm Outlet: ID 10 mm
Operating pressure:	0.1 bar
Permissible ambient temperature:	5 ... 40 °C
IP Code:	IP30
Ultimate vacuum:	6.0 mbar (abs).

-10%

Type	Rated capacity	Plug type	PK	Cat. No.	Price	Now
	W				EUR	EUR
SR 820 G	60	EU/UK/CH	1	4.684 031	2.412,00	2.170,80
SR 840 G	100	EU/UK/CH	1	4.684 032	2.789,00	2.510,10

Diaphragm pumps chemistry design, ME 1C



Due to their user-friendly functionality, compactness and high performance, ME 1C diaphragm pumps are perfect partners for single filtration and multiple suction devices. Single-stage diaphragm pumps are 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. An optional vacuum fine adjustment head with manual control valve and pressure gauge allows infinitely variable adjustment of the effective pumping speed and the final vacuum. Gas ballast for reliable pumping performance.

-7%

Flow rate (50/60Hz) L / min.	Ultimate vacuum without / with gas ballast mbar	Connector	PK	Cat. No.	Price	Now
11.66 / 14.16	100	EU	1	9.880 934	EUR 985,00	EUR 916,05

LLG-Vacuum measuring instrument DVR 2 pro



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

- Mains independent due to battery operation
- Large display
- With 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 1mbar (hPa), 810 to 1 Torr
Measuring accuracy:	< 1mbar (0.75 Torr) ±1 digit
Power supply/battery:	9V battery
Dimensions (W x D x H):	115 x 115 x 66 mm
Weight:	0.40 kg

Type	PK	Cat. No.	Price
DVR 2 pro	1	6.263 582	EUR 617,50

Stirring and Shaking

Microplate shaker MultiPlate Genie®



For Vortexing up to 4 Microplates

NEW



Shaker for vigorous, uniform vortex mixing of up to 4 microplates.

- Variable adjustable speed
- Timer or continuous operation
- Programmable pulse function: 0.1 sec to 99 min
- Can be used in cold rooms and incubators (except CO₂ incubators)

Specifications

Type of movement:	orbital
Shaking stroke:	1 mm
Speed:	500 ... 2700 rpm
Runtime/timer H:Min:Sec	00:01:00 ... 00:99:00
No. of plates	4
Permitted ambient conditions:	0 ... 38 °C , 95 % RH
Dimensions (WxDxH):	250 x 380 x 150 mm
Weight:	6 kg
Power supply:	230 V, 50 Hz

-25%

Type	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
MultiPlate Genie®	EU	1	4.688 684	1.120,60	840,45

LLG-Centrifuge Tubes economy, PP



- With additional graduation in the cone base
- Max. rotate speed up to 12000 x g and 6000 x g for self-standing tubes
- Autoclavable at 121 °C and freezable to -80 °C
- Pyrogen free
- DNase/RNase-free
- Aseptically, bulk pack



-35%

Capacity	Form	Height	Diam.	PK	Cat. No.	Price	Now
ml		mm	mm			EUR	EUR
15	conical	119.6	17	500	6.270 403	116,50	75,73
50	conical	113.9	30	500	6.270 404	129,30	84,05
50	with rim	116.5	30	500	6.270 405	155,90	101,34

Vortex mixers ZX4/WIZARD/TX4 with IR sensor



Fatigue-free Working



Vortexers with patented IR sensor for sample recognition: the shaking process starts automatically when the sample tube approaches the mixing cup head.

- For IR sensor and continuous operation
- Electronic speed control
- Adjustable shaking speeds up to 3000 rpm

ZX4: Analog vortex mixer

WIZARD: Compact, analog vortex mixer

TX4: Digital vortex mixer with timer and LCD display

Scope of delivery: Vortex mixer with mixing head

Specifications

Type of movement:	orbital
Orbital diameter:	4.5 mm
Speed range:	0 ... 3000 rpm
Input power	15 W
IP code:	IP 42
Power supply:	100 ... 240 V, 50 ... 60 Hz
Warranty:	3 years

-12%

Type	Net weight	Plug type	PK	Cat. No.	Price	Now
	kg				EUR	EUR
ZX4	2.7	EU	1	7.971 461	208,00	183,04
ZX4*	2.7	EU	1	4.666 714	252,00	221,76
WIZARD	2.2	EU	1	4.666 536	242,00	212,96
TX4	2.7	EU	1	4.666 537	293,00	257,84

* with foam stands

4-Position-Magnetic Stirrer LLG-uniSTIRRER 1/M4



Incl. Magnetic Stirring Bars



An **Ultra-flat** inductive magnetic stirrer with timer.
 - Max. stirring quantity per stirring position 400 ml
 - **Timer** (1 to 99 min, infinitely)
 - 100 % wear- and maintenance-free inductive drive
 - LED-display for an exact adjustment of the rotation speed
 - Digital regulated rotation speed
 - Alteration of the stirring direction
 - High Protection class IP 65
 - Stainless steel surface

Scope of supply: magnetic stirrer, 1 mains adapter each US, AUS, UK, 4 stirring rod 25 x 8 mm

Specifications

Stirring positions:	4
Distance between Stirring positions:	95 mm
Max. Stirring quantity (H ₂ O):	4 x 0.4 l = 1.6 l
Speed range:	15 ... 1200 rpm
Permissible ambient temperature:	5 ... 40 °C
Heating plate (W x D):	122 x 385 mm
Dimensions (W x D x H):	126 x 457 x 13.5 mm
Weight:	1.9 kg
Power supply:	100 ... 240 V, 50/60 Hz
IP code:	IP 65

-12%

Type	Plug type	PK	Cat. No.	Price	Now
LLG-uniSTIRRER 1/M4	EU	1	6.263 425	EUR 405,00	EUR 356,40

Beakers glass, DURAN®, low form



DIN 12331. ISO 3819. With graduation and spout. With retrace code (batch identification), except 5, 10 and 25 ml. Certificate via internet. Glass type 1/neutral glass according to USP/EP and JP. Autoclavable.

-20%

Nominal capacity ml	Diam. mm	Height mm	PK	Cat. No.	Price	Now
					EUR	EUR
25	34	50	10	4.665 746	63,50	50,80
50	42	60	10	4.665 753	61,00	48,80
100	50	70	10	4.665 751	60,50	48,40
150	60	80	10	4.665 750	63,50	50,80
250	70	95	10	4.665 749	66,00	52,80
400	80	110	10	4.665 748	79,00	63,20
600	90	125	10	4.665 745	98,00	78,40
800	100	135	10	4.665 744	135,00	108,00
1000	105	145	10	4.665 747	156,00	124,80

LLG-Magnetic stirrer RCT standard 2.0, Set



• **Complete Set**
 • **Made in Germany**



The next generation of our top-selling IKA/LLG-Labware co-branded LLG-RCT Standard magnetic stirrer.

- Digitally controlled speed and temperature
- Clear LED display
- Hot Top Indicator: Hot surface warning to protect against burns!
- Aluminium heating plate for optimum heat transfer
- USB interface
- Tested according 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 ₂ 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
Weight:	2.4 kg
Power supply:	220 ... 230/115/100 V, 50/60 Hz
IP code:	IP 42
Warranty:	3 years

-10%

Description	Plug type	PK	Cat. No.	Price	Now
				EUR	EUR
LLG magnetic stirrer RCT standard 2.0, set	EU	1	6.320 411	EUR 1.221,90	EUR 1.099,71

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

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



-25%

Diam. mm	Length mm	PK	Cat. No.	Price	Now
				EUR	EUR
6	10	10	9.198 910	16,10	12,08
3	12	10	9.198 766	16,30	12,23
6	15	10	9.198 919	17,20	12,90
6	20	10	9.198 920	20,20	15,15
6	25	10	9.198 925	21,30	15,98
8	25	10	9.198 767	22,00	16,50
6	30	10	9.198 930	24,20	18,15
6	35	10	9.198 935	26,90	20,18
8	40	10	9.198 940	27,80	20,85
8	45	10	9.198 945	30,40	22,80
8	50	10	9.198 950	32,90	24,68
9	60	10	9.198 960	35,80	26,85
9	70	10	9.198 970	45,00	33,75
9	80	10	9.198 980	51,00	38,25

LABORTOPS

Mini cooling incubator LLG-uniINCUB 20 cool



- **With Peltier-Cooling**
- **Uniform Temperature Distribution**
- **Internal Socket**



Digital mini incubator with cooling and heating function for cultivation of biological samples in small-volume vessels. With internal power outlet for positioning small shakers, mixers, or other devices in the inner chamber. Due to its small footprint, the LLG-uniINCUB 20 cool is ideal for small laboratories and educational institutions.

Scope of delivery: incubator, 1 shelf, 1 power supply unit, 1 power cable, operating instructions

- Good temperature stability of the set temperature (up to 15 °C below ambient temperature) in the inner chamber of the cooling incubator
- Large inner chamber with 22 l capacity
- Fast heating and homogeneous temperature
- With built-in calibration function of up to ± 5 °C

Specifications

Temperature range:	Ambient - 15 °C ... 60 °C
Temperature accuracy:	± 0.5 °C (at 37 °C)
Temperature uniformity:	± 1.5 °C (at 37 °C)
External dimensions (WxDxH):	340 x 410 x 480 mm
Internal dimensions (WxDxH):	235 x 260 x 360 mm
Weight:	7.5 kg
Power supply:	100 ... 240 V, 50 ... 60 Hz

-30%

Type	Plug type	PK	Cat. No.	Price	Now
LLG-uniINCUB 20 cool	EU	1	6.263 572	EUR 993,00	EUR 695,10