



2026

Q1

Labortops

VALID UNTIL 31.03.2026

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PARTNER OF
LLG
Laboratory Supply Solutions

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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

SOCOREX
SWISS



Volume	Graduations	Recycle valve	PK	Cat. No.	Price
ml	ml				GBP
0.1 - 1	0.02	without	1	6.281 543	337.50
0.25 - 2.5	0.05	without	1	6.281 544	337.50
0.5 - 5	0.1	without	1	6.281 545	337.50
1 - 10	0.2	without	1	6.281 546	337.50
2.5 - 25	0.5	without	1	9.411 565	432.00
5 - 50	1.0	without	1	9.411 566	474.30
10 - 100	1.0	without	1	6.258 446	545.85
0.1 - 1	0.02	with	1	6.281 547	388.35
0.25 - 2.5	0.05	with	1	6.281 548	388.35
0.5 - 5	0.1	with	1	6.281 549	388.35
1 - 10	0.2	with	1	6.281 550	388.35
2.5 - 25	0.5	with	1	6.261 221	482.40
5 - 50	1.0	with	1	6.261 222	525.15
10 - 100	1.0	with	1	6.261 223	596.70

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



DURAN
WHEATON
KIMBLE
Excellence in your hands

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	Neck thread with cap	PK	Cat. No.	Price
ml	mm	mm	GL			GBP
25 *	36	74	25	10	4.679 006	83.25
50	46	91	32	10	4.679 003	88.65
100	56	105	45	10	4.679 004	75.96
250	70	143	45	10	4.679 005	85.05
500	86	181	45	10	4.679 007	105.84
1000	101	230	45	10	4.679 010	150.12
2000	136	265	45	10	4.679 008	353.16

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

Dispensers Multipette® M4

eppendorf

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
Multipette® M4 incl. holder	1	9.283 604	417.82

Pipette tips, Eppendorf Combitips advanced®

eppendorf



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
Combitips advanced®	0.1	white	100	9.283 135	106.63
Combitips advanced®	0.2	light blue	100	9.283 136	106.63
Combitips advanced®	0.5	purple	100	9.283 137	106.63
Combitips advanced®	1.0	yellow	100	9.283 138	106.63
Combitips advanced®	2.5	green	100	9.283 139	106.63
Combitips advanced®	5.0	blue	100	9.283 140	106.63
Combitips advanced®	10.0	orange	100	9.283 141	106.63
Combitips advanced®	25.0	red	100	9.283 142	125.06
Combitips advanced®	50.0	light grey	100	9.283 143	137.66
advanced® Adapter	25.0	red	1	9.283 162	11.73
advanced® Adapter	50.0	light grey	1	9.283 163	11.73



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				GBP
1	0.1 ... 1	grey	1	4.713 242	306.00
1	0.1 ... 2.5	grey	1	4.713 243	306.00
1	0.5 ... 10	grey	1	4.713 244	306.00
1	2 ... 20	yellow	1	4.713 245	306.00
1	2 ... 20	grey	1	4.713 246	306.00
1	5 ... 50	yellow	1	4.713 247	306.00
1	10 ... 100	yellow	1	4.713 248	306.00
1	20 ... 200	yellow	1	4.713 249	306.00
1	30 ... 300	green	1	4.713 250	306.00
1	100 ... 1.000	blue	1	4.713 251	306.00
1	500 ... 5.000	red	1	4.713 253	306.00
1	1.000 ... 10.000	light blue	1	4.713 254	306.00
8	0.5 ... 10	grey	1	4.713 255	765.00
8	5 ... 50	yellow	1	4.713 256	765.00
8	10 ... 100	yellow	1	4.713 257	765.00
8	20 ... 200	yellow	1	4.713 258	765.00
8	30 ... 300	green	1	4.713 259	765.00
8	50 ... 1.250	violet	1	4.713 260	765.00
12	0.5 ... 10	grey	1	4.713 261	855.00
12	5 ... 50	yellow	1	4.713 262	855.00
12	10 ... 100	yellow	1	4.713 263	855.00
12	20 ... 200	yellow	1	4.713 264	855.00
12	30 ... 300	green	1	4.713 265	855.00
12	50 ... 1.250	violet	1	4.713 266	855.00

Wall mount and shelf brackets for Transferpette® pro



Wall mount



Shelf bracket

Pipette tips, racked in TipRack, non-sterile



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

Description	PK	Cat. No.	Price
Wall mount (for 1 device)	1	4.713 268	16.42
Shelf bracket (for 1 device)	1	4.713 267	10.26
Capacity	Package contents	PK	Cat. No.
µl			Price
0.5 - 20	10 TipRacks of 96	960	9.409 758
2 - 200	10 TipRacks of 96	960	9.409 760
5 - 300	10 TipRacks of 96	960	9.409 761
50 - 1000	10 TipRacks of 96	960	9.409 762

For single- and multichannel pipettes.

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
Aluminium, anodised	100 cm	1	9.262 600	26.24 GBP
Aluminium, anodised	50 cm	1	9.262 601	18.14 GBP

Measuring jugs with handle, PP



Kartell



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			GBP
500	25	90	116	1	9.013 591	5.33
1000	50	116	131	1	9.013 592	5.72
2000	50	145	165	1	9.013 593	10.69
3000	100	165	180	1	9.013 594	14.62
5000	250	190	225	1	9.013 595	22.03

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			GBP
100	50	60	1	4.714 086	18.27
250	65	85	1	4.714 087	19.98
500	80	110	1	4.714 088	31.59
1000	100	130	1	4.714 089	46.62
3000	150	180	1	4.714 090	69.93
5000	180	210	1	4.714 091	74.88

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 ±0.1 ml

Capacity	Ext. diam.	Neck diam. int.	Height	PK	Cat. No.	Price
ml	mm	mm	mm			GBP
250	60	18.0	220	1	9.223 152	5.18
500	75	18.0	240	1	9.223 155	6.03
1000	98	17.5	295	1	9.223 160	6.03

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
LLG-uniPERISTALTICPUMP 1	EU	1	6.263 540	567.45
LLG-uniPERISTALTICPUMP 1	UK	1	6.263 541	526.14

GBP

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
LLG-uniPERISTALTICPUMP 3	EU	1	6.263 550	665.73
LLG-uniPERISTALTICPUMP 3	UK	1	6.263 551	628.92

GBP

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 mm	Flow rate L / min.	Material	PK	Cat. No.	Price
1000	8	PP/FKM	1	9.001 110	129.24

GBP





- 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			GBP
5	0.1	0.05	2	4.686 202	17.64
10	0.2	0.10	2	4.686 203	17.64
25	0.5	0.25	2	4.686 204	18.72
50	1.0	0.50	2	4.686 205	19.98
100	1.0	0.50	2	4.686 206	23.85
250	2.0	1.00	2	4.686 207	38.25
500	5.0	2.50	2	4.686 208	52.92
1000	10.0	5.00	1	4.686 209	34.29
2000	20.0	10.00	1	4.686 210	58.23

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			GBP
5	0.040	10/19	2	4.686 232	19.62
10	0.040	10/19	2	4.686 233	19.08
20	0.040	10/19	2	4.686 234	19.80
25	0.040	10/19	2	4.686 235	19.89
25	0.060	12/21	2	4.686 236	21.78
50	0.060	12/21	2	4.686 238	22.23
50	0.100	14/23	2	4.686 237	24.84
100	0.100	12/21	2	4.686 239	27.00
100	0.100	14/23	2	4.686 240	25.20
200	0.150	14/23	2	4.686 241	31.86
250	0.150	14/23	2	4.686 242	32.31
500	0.250	19/26	2	4.686 243	42.84
1000	0.400	24/29	1	4.686 244	32.40
2000	0.600	29/32	1	4.686 245	45.36

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			GBP
1	0.025	7/16	2	4.686 225	25.65
2	0.025	7/16	2	4.686 226	25.65
3	0.025	7/16	2	4.686 227	25.65
4	0.025	7/16	2	4.686 228	25.65
10	0.040	10/19	2	4.686 229	26.28
20	0.040	10/19	2	4.686 230	32.04
25	0.040	10/19	2	4.686 231	32.04

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			GBP
5	0.040	10/19	2	4.686 246	22.95
10	0.040	10/19	2	4.686 247	22.95
20	0.040	10/19	2	4.686 248	24.57
25	0.040	10/19	2	4.686 249	24.57
50	0.100	14/23	2	4.686 250	32.31
100	0.100	14/23	2	4.686 251	36.63
200	0.150	14/23	2	4.686 252	48.60
250	0.150	14/23	2	4.686 253	48.60
500	0.250	19/26	2	4.686 254	81.54
1000	0.400	24/29	1	4.686 255	63.09

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 GBP
LaboStar PRO TWF	1.2	400 x 410 x 535	1	6.493 837	4,375.80
LaboStar PRO TWF UV	1.2	400 x 410 x 535	1	6.269 356	4,848.48

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	Dimensions (dia. x H) mm	Neck diam. mm	Cap size mm	PK	Cat. No.	Price GBP
10	249 x 376	65	83	1	4.692 534	53.28
20	285 x 518	65	83	1	4.692 535	89.10
50	376 x 665	65	83	1	4.692 536	158.94

LLG-Wide-Mouth Bottle, HDPE, round



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

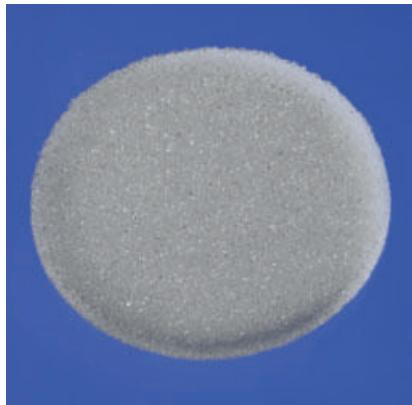
Capacity	Diam.	Neck diam. int.	Height	PK	Cat. No.	Price GBP
ml	mm	mm	mm			
30	34.6	21.0	59.1	12	4.692 544	14.76
60	39.2	21.1	81.5	12	4.692 545	17.46
125	50.3	28.3	94.7	12	4.692 546	23.04
250	60.9	32.8	127.0	12	4.692 547	28.53
500	72.7	44.0	164.0	12	4.692 548	45.99
1000	92.0	51.9	195.0	6	4.692 549	31.23
2000	119.0	90.8	236.0	1	4.692 550	17.46

FILTRATION

Filter discs, quartz glass



- New assortment
- Additional porosities available



The surfaces of the filter plates are ground and have an exact thickness (± 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 GBP
2	10 x 2.5	1	4.711 554	28.13
-	30 x 4	1	4.711 562	63.45
2	30 x 4	1	4.711 564	63.45

LLG-Fast filtration funnels with internal ribs, PP



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 GBP
40	6	55 - 70	40	10	9.251 191	7.83
60	8	70 - 90	60	10	9.251 192	14.40
80	8	125 - 150	80	10	9.251 193	18.54
80	9	125 - 150	150	10	9.251 197	21.60
100	10	150 - 185	100	10	9.251 194	20.79
120	16	185 - 240	120	10	9.251 195	27.18
150	16	240 - 270	150	10	9.251 196	37.35

Filter paper, qualitative, Grade 3 hw, folded filters



Membrane filters, cellulose acetate



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	PK	Cat. No.	Price GBP
125	100	9.049 403	37.71
150	100	9.049 404	37.71
185	100	9.049 405	37.71
240	100	9.049 406	64.26
270	100	9.049 407	70.65
320	100	9.049 408	92.70

Diam. mm	Pore size μm	PK	Cat. No.	Price GBP
25	0.20	100	9.053 064	98.10
25	0.45	100	9.053 044	98.10
47	0.20	100	9.053 068	131.40
47	0.45	100	9.053 048	131.40
50	0.20	100	9.053 069	141.30
50	0.45	100	9.053 049	141.30

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

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)

Resolution	Mag- nification	Lighting	PK	Cat. No.	Price
					GBP
5.0 MP	10x ... 140x	LED, white	1	6.285 930	1,052.10

Description	PK	Cat. No.	Price
			GBP
Achromatic objective 4x, 10x, 40x, 100x	1	4.670 978	342.00

LLG-Staining jars, soda-lime-glass

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

LLG
LABWARE

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	
					GBP
Schifferdecker staining jar	87 x 74 x 40	1	9.163 250	16.80	
Hellendahl staining jar	60 x 60 x 105	1	9.163 251	16.25	
Makro staining jar	105 x 90 x 75	1	9.163 252	29.39	
Rack, stainless steel, for Makro staining jar	85 x 70 x 20	1	9.163 253	37.47	



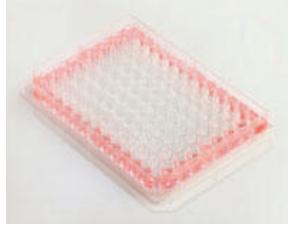
CO₂ Incubators with Chambers
HERAcell™ 150i, 240i

- Reliable
- Simple operation



Protect valuable samples while optimising cell growth. CO₂ 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
			GBP
HERAcell 150i CO ₂ single chamber incubator, stainless steel inner chamber, 230 V, 50/60 Hz	1	4.672 663	10,890.00
HERAcell 150i CO ₂ single chamber incubator, copper inner chamber, 230 V, 50/60 Hz	1	4.672 664	12,690.00
HERAcell 240i CO ₂ single chamber incubator, stainless steel inner chamber 230 V, 50/60 Hz	1	4.672 665	15,750.00
HERAcell 240i CO ₂ single chamber incubator, copper inner chamber, 230 V, 50/60 Hz	1	4.672 666	17,370.00

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 H₂O or media
- Low background fluorescence, ideal for optical instruments
- Untreated or cell culture-treated hydrophilic surface (Nunclon™ Δ)

Material: Polystyrene

Total well volume: 400 µL

Description	Surface	Sterile	PK	Cat. No.	Price
					GBP
with lid	Nunclon™ Δ	+	50	6.283 122	135.00
with lid	Non-treated	+	50	6.283 126	108.00
with lid	Nunclon™ Δ	+	160	6.283 123	382.50
without lid	Nunclon™ Δ	+	50	6.283 125	116.10
without lid	Nunclon™ Δ	+	160	6.283 124	357.30
with lid	Non-treated	+	160	6.283 127	316.80
without lid	Non-treated	+	50	6.283 130	92.70
without lid	Non-treated	+	160	6.283 128	297.90
with lid	Non-treated	-	160	6.283 131	287.10
without lid	Non-treated	-	160	6.283 129	294.30

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

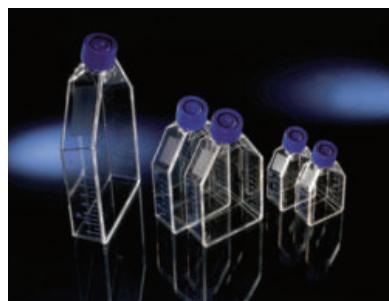
TX-750: for Multifuge™ X3, X4 pro/Sorvall X3, X4 Pro/MegaFuge™ ST4 Plus/ Sorvall ST4 Plus/MegaFuge™ 40/Sorvall 40

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
			GBP
TX-400 Cell culture package	1	6.323 336	4,653.00
TX-750 Cell culture package	1	6.494 188	5,049.00
TX-1000 Cell culture package	1	6.494 189	5,589.00

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

Cell culture flasks with culture surfaces of 25-225 cm² with Nunclon™Δ. Sloping bottle neck. Closure: Filter. Sterile.

Working volume	Culture surface	PK	Cat. No.	Price
ml	cm ²			GBP
7	25 Nunclon™	200	9.390 331	234.90
25	75 Nunclon™	100	9.390 333	198.00
55	175 Nunclon™*	30	7.510 686	107.10
70	225 Nunclon™*	30	6.236 539	222.30

* 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
				GBP
MS200	Low Profile	50	6.270 924	86.94
MS300	Low Profile	50	6.310 681	93.00
MS33	Low Profile	50	6.270 926	93.00
MS24	Low Profile	50	6.270 927	93.00
HP	High Profile Plasma	50	4.670 750	93.00

Tissue Vial CryoELITE®, sterile



DURAN
WHEATON
KIMBLE
Excellence in your hands

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
			GBP
Tissue Vial CryoELITE®, 5 ml, sterile	250	4.658 776	400.01

Rotary Microtome RAZOR, manual



micros

! Ideal for paraffin cuts

Rotary Microtoms 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) mm	Weight kg	PK	Cat. No.	Price GBP
460 x 460 x 280	36	6.270 919		10,296.00

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
				GBP
white	28 x 40 x 6.8	500	6.207 173	95.54
blue	28 x 40 x 6.8	500	6.280 220	95.54
yellow	28 x 40 x 6.8	500	6.284 765	95.54
red	28 x 40 x 6.8	500	6.284 766	95.54
green	28 x 40 x 6.8	500	6.284 767	95.54
pink	28 x 40 x 6.8	500	6.226 853	95.54
white	28 x 40 x 13.6	100	7.910 449	36.79
green	28 x 40 x 13.6	100	6.284 772	36.79
pink	28 x 40 x 13.6	100	6.284 773	36.79

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
			GBP
MultiSUB Mini 10	1	9.584 650	422.33

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 W	Supply requirements	PK	Cat. No.	Price
					GBP
nanoPAC-300P Mini	60	300 V / 400 mA	1	6.272 711	524.93

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:

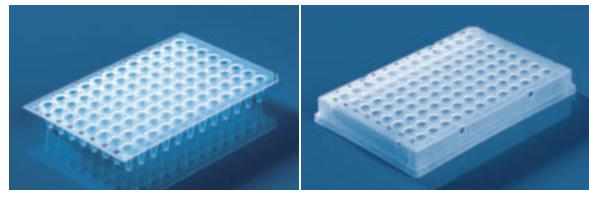
Transilluminator, orange-hinged filter, paper hood

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
			GBP
proBLUEVIEW	1	4.670 749	760.41

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



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				GBP
Low Profile, non-skirted	0.15	H12	50	9.409 247	165.74
Low Profile, semi skirted	0.15	A12	50	9.409 256	165.74
Low Profile, fully skirted*	0.15	H1	50	9.409 351	280.67
Standard profile, non-skirted	0.20	A12	50	9.409 254	165.74
Standard profile, semi skirted	0.20	A12	50	9.409 264	165.74

* 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
			GBP
TTC/TTC for total viable count (TVC)	10	6.282 520	24.48
TTC/MALT for Yeast, Moulds, Fungi, TVC	10	6.282 521	24.48
TTC/ROSE for Yeast, Moulds, Fungi, TVC	10	6.282 522	24.48
TTC/MAC for coliforms, TVC	10	6.282 523	24.66
TTC/E.COLI for E. coli/coliforms, TVC	10	6.282 524	43.47
PDM/MAC for Pseudomonas species, coliforms	10	6.282 525	43.65
TTC/PDM for Pseudomonas species, TVC	10	6.282 526	43.65
SRB for Sulphate-reducing bacteria	10	6.282 527	66.51
R2A/R2A - TTC for testing of potable water	10	6.282 529	24.66

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			GBP
100	64	38	114	1	9.010 472	20.42
200	79	38	138	1	9.010 473	21.99
250	85	38	149	1	9.010 474	22.60
300	87	38	161	1	9.010 475	11.19
500	105	38	183	1	9.010 476	14.06
1000	131	38	229	1	9.010 477	29.33

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
			GBP
Lovibond® DI 10	1	6.291 192	548.79
Dipslide-Holder	1	6.274 399	128.02

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					GBP
195	1	dark green	Eyelet, fixed	1000	4.691 889	59.13
195	10	blue	Eyelet, fixed	1000	4.691 890	59.13
195	1	light green	Eyelet, flexible	1000	4.691 891	59.13
195	10	light blue	Eyelet, flexible	1000	4.691 892	59.13

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
GBP					
DA 5-3	5 Nm	0.001	1	4.676 254	1,791.00
DA 10-3	10 Nm	0.002	1	6.285 947	1,773.00

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
GBP				
200 ... 200.000 lx	185 x 68 x 38	1	4.691 198	94.50

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
GBP			
Sound level meter SU 130, class II	1	6.270 977	108.00

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 AO 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
GBP					
HBA 100-0	100 HA	1.0 HA	1	6.284 083	112.50
HBO 100-0	100 HAO	1.0 HAO	1	6.312 365	117.00
HBD 100-0	100 HD	1.0 HD	1	6.270 975	153.00

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 µS/cm ... 200 mS/cm
Accuracy:	±0.5% of the measured value
Temperature	
Measuring range:	0 ... 100 °C
Accuracy:	±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
F3-Standard kit	1	6.280 116	540.00
F3-Field kit	1	6.280 117	585.00

LLG-Conductivity Solutions



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

Type	Capacity	PK	Cat. No.	Price
	ml			GBP
84 µS/cm	500	1	9.040 861	32.67
147 µS/cm	500	1	9.040 862	32.67
1.413 µS/cm	500	1	9.040 863	32.67
12.880 µS/cm	500	1	9.040 864	32.67

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 ±1 digit
pH:	-2.0 ... 20.0 ±0.1 pH
	-2.00 ... 20.00 ±0.01 pH
	-2.000 ... 19.999 ±0.005 pH
mV:	±(1200.0 ±0.3) mV
	±(2500 ±1) mV
Temperature:	-5.0 ... 105.0 °C ±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
pH 7310	Meter only incl. accessories	1	9.920 100	1,132.20
pH 7310 Set 2	Meter incl. SenTix® 41 and accessories	1	9.920 101	1,234.80
pH 7310 Set 4	Meter incl. SenTix® 81 and accessories	1	9.920 102	1,261.80
pH 7310 BNC	Meter only incl. accessories	1	9.920 103	1,154.70
pH 7310P	Meter incl. integrated printer	1	9.920 104	1,574.10
pH 7310P BNC	Meter with integrated printer, incl. accessories, BNC input	1	9.920 107	1,675.80

LLG-Electrolyte solutions, KCl



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

Type	Capacity	PK	Cat. No.	Price
	ml			GBP
3 mol/l	1000	1	9.041 370	25.38
3 mol/l	250	1	9.041 371	14.94
3 mol/l, (AgCl saturated.)	250	1	9.041 372	18.45

SAMPLING AND SAMPLE PREPARATION

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
70	80	190 ml	1	9.738 200	5,595.69

The mortar and pestle must be ordered additionally.

Accessories for PULVERISETTE 2



Material	PK	Cat. No.	Price
GBP			
Grinding set stainless steel	1	9.738 235	2,481.25
Grinding set hard porcelain	1	9.738 240	1,442.48
Grinding set Sinterkond (99.7% Al2O3)	1	9.738 215	2,604.19
Grinding set Tungsten carbide	1	9.738 225	10,132.52
Grinding set Hardened chrome steel	1	9.738 230	1,832.18

Disposable double scoop spatula LaboPlast®/SteriPlast®, PS



burkle



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					
LaboPlast®	180	-	100	6.284 545	21.02
SteriPlast®	180	+	100	6.284 546	52.34

Disposable spoon spatula LaboPlast®/SteriPlast®, PS



burkle



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					
LaboPlast®	178	-	100	6.284 543	21.02
SteriPlast®	178	+	100	6.284 544	52.34

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 (H₂O) 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	Rotation speed	Dimensions (W x D x H)	PK	Cat. No.	Price
ml	rpm	mm			GBP
0.5 ... 100	8,000 ... 30,000	53 x 70 x 239	1	4.714 304	981.00

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	Diam. rotor / stator	PK	Cat. No.	Price
	ml	mm			GBP
S 10 N - 5 G	0.5 ... 10	3.8 / 5	1	7.631 964	1,374.30
S 10 N - 8 G	1 ... 50	6.1 / 8	1	6.225 614	1,374.30
S 10 N - 8 G ST	1 ... 50	6.1 / 8	1	4.656 091	1,487.70
S 10 N - 10 G	1 ... 100	7.6 / 10	1	6.225 477	1,374.30

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
					GBP
LS 40	EU	HD 2000.2 / HD 3000 / HD 4000	1	4.672 127	1,964.70
LS 40	UK	HD 2000.2 / HD 3000 / HD 4000	1	4.683 963	1,964.70
LS 40	CH	HD 2000.2 / HD 3000 / HD 4000	1	4.683 962	1,964.70

You can find our complete range on our website.

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

Dimensions (W x D x H):

UW 100

70 x 150 mm

max. 100 W

Type	Plug type	PK	Cat. No.	Price
				GBP
SONOPULS HD 4100	EU	1	9.650 152	4,161.60
SONOPULS HD 4100	UK	1	6.494 501	4,161.60
SONOPULS HD 4100	CH	1	6.494 502	4,161.60

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
			GBP
HG 40	1	4.672 126	863.10



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
GBP			
S	100	9.006 383	13.41
M	100	9.006 384	13.41
L	100	9.006 385	13.41
XL	90	9.006 386	13.41

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
1	from the side	250 x 85 x 136	1	4.712 226	41.31
3	from the front	260 x 90 x 405	1	4.712 225	59.31
3	from the side	280 x 85 x 460	1	4.712 227	80.91

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
GBP			
XS (5.5 - 6)	100	4.697 022	22.50
S (6.5 - 7)	100	4.697 023	22.50
M (7.5 - 8)	100	4.697 024	22.50
L (8.5 - 9)	100	4.697 025	22.50

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
130	330	1	9.005 271	72.98

BARIMASK C3V respiratory mask



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
			GBP
FFP3	5	6.493 674	15.77

LLG-Universal dispenser, acrylic glass



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			GBP
LLG-Universal dispenser	206 x 216 x 213	1	6.289 563	66.87

LLG-Dispenserbox, Acrylic Glass



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)	PK	Cat. No.	Price
	mm			GBP
LLG-Dispenserbox	216 x 216 x 200	1	6.286 593	66.87

LLG-Disposable Visitor Gowns, PP



White PP nonwoven 30 g/m², universal size with shirt collar and elastic at the wrists, latex-free, without pocket, 4 push buttons

Description	PK	Cat. No.	Price
			GBP
LLG-Visitors gown	50	6.282 796	74.25

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



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			GBP
800	1000	0.45	1	4.687 061	29.25
800	1200	0.50	1	4.687 062	30.06
1000	1200	0.45	1	4.687 063	34.11

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			GBP
2 shelves, stainless steel case, 4 wheels	80	1	6.291 558	596.00
3 shelves, stainless steel case, 4 wheels	120	1	6.290 737	639.11

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

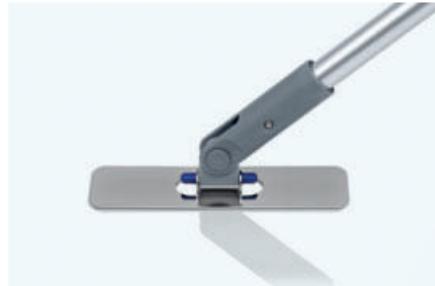
Material:	Clean-Tough
Mass:	60 g/m ²

Size	Sterile	PK	Cat. No.	Price
				GBP
XS	-	20	6.492 811	208.49
S	-	20	4.661 464	208.49
M	-	20	4.661 465	208.49
L	-	20	4.661 466	208.49
XL	-	20	4.661 467	208.49
XXL	-	20	4.661 468	208.49
S	+	20	4.661 485	306.12
M	+	20	4.661 486	306.12
L	+	20	4.661 487	306.12
XL	+	20	4.661 488	306.12
XXL	+	20	4.661 489	306.12

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
			GBP
Mop holder Clino CR, 50 x 190 mm	1	4.671 402	74.53
Mop holder Clino GMP, 50 x 190 mm	1	4.671 404	102.18
With tilting lever, Aluminium, 500 x 700 mm	1	6.318 040	38.41
With tilting lever, with sleeve and quick-release fastener, Aluminium, 1000 ... 1800 mm *	1	4.668 000	51.04
With tilting lever, Stainless steel, 1000 ... 1800 mm *	1	6.522 077	184.56

* 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.

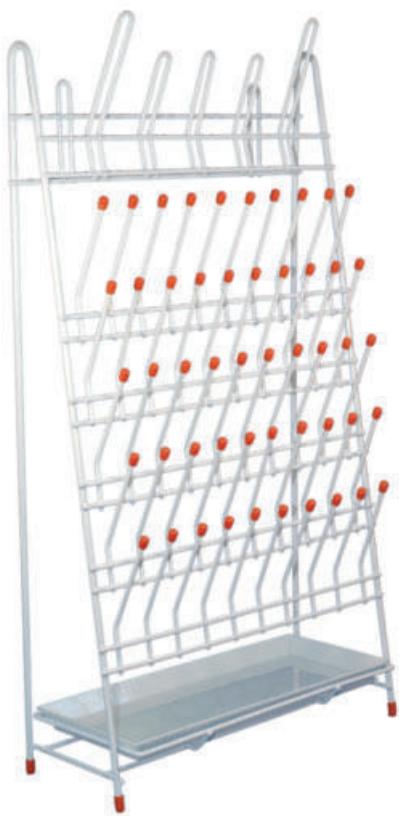
- 100% PES microfiber with special structure for optimum particle absorption
- ISO class 5
- GMP class A/B
- Very high-quality processing suitable for clean rooms
- Particularly smooth-running and effective due to soft bristles
- Pre-washed and single double packaged



Type	Dimensions (D x W)	Sterile	PK	Cat. No.	Price
	mm				GBP
Clino One Way Ultra PW-I*	400 x 120	+	5	4.668 011	27.62
Clino One Way Ultra PW	400 x 120	-	5	4.668 012	15.80

* 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
			GBP
For 50 reagent bottles and 5 flasks	1	6.281.619	88.83

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
			GBP
Carton of 30 boxes with 150 wipes	30	9.413.220	57.15

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	Chamber diam. x depth	PK	Cat. No.	Price
	Litres	mm			GBP
AES-28	28	300 x 400	1	9.851.894	5,591.70

DNA AWAY™ for surface decontaminant



thermo
scientific

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

Type	Capacity	PK	Cat. No.	Price
	ml			GBP
MBP DNA Away®	250	1	6.228.401	24.68

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
PU Foam	Castors	1	6.287 750	231.21
PU Foam	Glides, Foot Ring	1	6.287 751	268.29
Artificial Leather	Castors	1	6.287 753	227.43
PU Foam	Stop and Go Castors, Foot Ring	1	6.287 752	277.65
Artificial Leather	Glides	1	6.324 136	218.16
Artificial Leather	Glides, Foot Ring	1	6.287 754	264.60
Artificial Leather	Stop and Go Castors, Foot Ring	1	6.287 755	273.87
Armrests		1	6.287 756	97.47

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
2 shelves, vertical spacing 585 mm	900 x 600 x 950	1	9.148 101	305.10
3 shelves, vertical spacing 275 mm	900 x 600 x 950	1	9.148 104	355.50

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
white	1	4.714 679	71.48
black	1	4.714 680	71.48
red	1	4.714 681	71.48
blue	1	4.714 682	71.48
anthrazit	1	4.714 683	71.48
light grey	1	4.714 684	71.48

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
Mini Glove Box	300 x 400 x 400	5.7	1	6.283 002	1,679.27

Test tube racks Switch-Grid™, POM

**SP Bel-Art**

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) mm	PK	Cat. No.	Price GBP
10...30	318 x 67 x 111	1	6.328 291	90.91

Adhesive label tape Write-on™, writable

**SP Bel-Art**

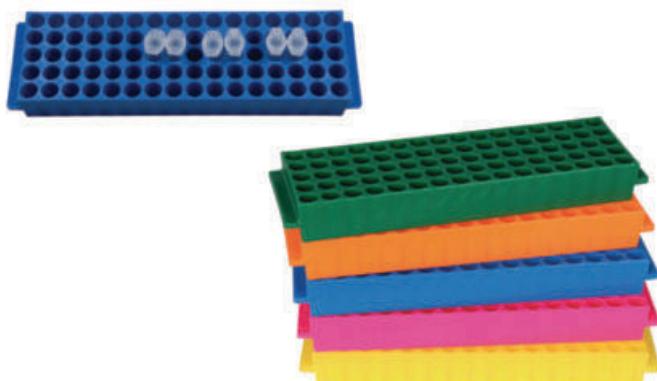
Specially coated plastic tape with adhesive backing. It can be used with any pens. Excellent adhesion to glass, metal, PE, etc. Resistant to humidity, as well as acids and alkali solutions in weak concentrations. Leaves no residue when removed.

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 mm	Length m	Colour	PK	Cat. No.	Price GBP
19	36.4	White	1	9.040 380	31.19
19	54.6	White	1	9.040 352	38.44
19	36.4	Red	1	9.040 341	31.19
19	36.4	Yellow	1	9.040 342	31.19
19	36.4	Green	1	9.040 343	31.19
19	36.4	Blue	1	9.040 344	31.19
19	36.4	Orange	1	9.040 345	31.19

LLG-Microtube racks, PP, 80-well

**LLG LABWARE**

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 GBP
yellow, red, blue, orange, green	5	4.672 062	22.95
yellow	5	4.672 063	22.95
red	5	4.672 064	22.95
blue	5	4.672 065	22.95
orange	5	4.672 067	22.95
green	5	4.672 068	22.95

Hydrometer racks, PP

Heathrow Scientific
design | function | innovation

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) mm	PK	Cat. No.	Price GBP
grey	295 x 175 x 234	1	4.712 280	103.50
blue	295 x 175 x 234	1	4.712 281	103.50

TEMPERATURE MEASUREMENT

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
			GBP
EBI 300	1	7.655 865	87.30
EBI 300 TE	1	6.266 911	152.10

Infra-red thermometer ScanTemp 385



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
			GBP
ScanTemp 385	1	9.851 996	43.20

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				GBP
-30 ... 50	0.1	115 x 82 x 31	IP 30	1	4.712 365	303.30

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			GBP
-10/0 ... 50	1	200	7 ... 8	1	9.235 245	14.40
-10/0 ... 100	1	260	7 ... 8	1	9.235 250	14.76
-10/0 ... 150	1	260	7 ... 8	1	9.235 255	16.20
-10/0 ... 200*	1	300	7 ... 8	1	9.235 260	18.63
-10/0 ... 250*	1	300	7 ... 8	1	9.235 265	27.27

* 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
			GBP
LLG-timer pro	1	6.311 351	20.79

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
			GBP
LLG-Dual-Timer	1	6.311 350	19.80

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
			GBP
LLG-Timer Triple pro	1	6.313 417	26.28

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
			GBP
LLG-Short period timer with alarm	1	9.260 150	9.54

Alkaline Batteries, Energizer® Industrial

Type	Volt	PK	Cat. No.	Price
				GBP
AAA	1.5	10	9.012 944	11.52

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
Temperatur 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)	Cooling capacity kW at 20 °C	PK	Cat. No.	Price
CA 02	1.4 ... 5.2	8.3	0.7	1	4.675 229	6,100.99
CA 03	1.4 ... 5.2	8.3	1.28	1	4.675 231	6,484.37
CA 05	1.4 ... 5.2	8.3	1.84	1	4.675 233	6,851.36

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)	PK	Cat. No.	Price
TC120-ST5	5	180 x 330 x 395	1	9.699 651	1,520.10
TC120-ST12	12	330 x 360 x 415	1	9.699 652	1,747.80
TC120-ST18	18	330 x 540 x 415	1	9.699 653	1,844.10
TC120-ST26	26	330 x 540 x 465	1	9.699 654	1,927.80

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
PURA™ 4	0.8 ... 4.5	120 x 270 x 140	1	4.667 880	819.90
PURA™ 10	1.4 ... 9.5	220 x 270 x 140	1	4.667 881	940.50
PURA™ 14	2.0 ... 14.0	330 x 270 x 140	1	4.667 882	972.90
PURA™ 22	3.4 ... 25.5	550 x 270 x 180	1	4.667 883	1,071.00
PURA™ 30	4.8 ... 36.0	770 x 270 x 180	1	4.667 884	1,287.00

Lids for Water baths, PURA™

For model	PK	Cat. No.	Price
PURA™ 4	1	9.857 931	144.90
PURA™ 10	1	9.857 932	181.80
PURA™ 14	1	9.857 933	193.50
PURA™ 22	1	9.857 934	235.80
PURA™ 30	1	9.857 935	285.30



grant

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
E51LD0420	rpm 50 ... 300	mm 222 x 300	1	4.693 840	1,044.00

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: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
GBP				
LLG magnetic stirrer RCT standard 2.0, set	EU	1	6.320 411	1,206.81
LLG magnetic stirrer RCT standard 2.0, set	CH	1	6.322 748	1,206.81
LLG magnetic stirrer RCT standard 2.0, set	UK	1	6.322 749	1,206.81

Multiposition magnetic stirrer with heating, Multi-HS digital



Type	PK	Cat. No.	Price
Multi-HS 6	1	4.678 195	1,446.30
Multi-HS 15	1	4.678 196	2,294.10

Specifications

Max. stirring quantity per stirring position (H: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

Multi-HS 6 // Multi-HS 15

Rotary evaporator package RV 3 Starter Solution

IKA®



- Complete set
- Entry-level model

New



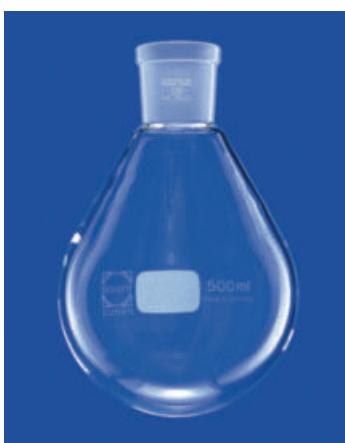
The Starter Solution package is the complete solution for rotary evaporator construction. The RV 3 rotary evaporator with manual lift is the ideal entry-level model. It is versatile and can be used in the chemical, pharmaceutical and bio-industry, in the fields of research and development, production 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 20 ... 300	mbar 9	1	4.699 401	6,733.80

Evaporating flasks with conical ground joint, DURAN®

LENZ
Laborglas GmbH & Co. KG



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
50	29/32	56	1	9.196 020	18.21
100	29/32	60	1	9.196 024	22.16
250	29/32	81	1	9.196 036	38.50
500	29/32	101	1	9.196 044	44.36
1000	29/32	126	1	9.196 054	63.89
2000	29/32	158	1	9.196 063	84.08

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
S19	1	9.011 798	10.98
S29	1	9.011 799	12.51
S35	1	9.011 800	16.02

Rubber Balloon with Hose Connection

DEUTSCH & NEUMANN!



- Latex (NR)
- For Rotary Evaporators

Size	Volume litres	PK	Cat. No.	Price
5	approx. 1.5 ... 2	1	9.115 515	51.41
8	approx. 3.5 ... 4	1	7.652 667	74.70

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 GBP
VD 23	24	4	1	4.678 317	6,931.80
VD 56	55	5	1	4.678 318	8,241.30
VD 115	119	6	1	4.678 319	10,861.20

LLG-Vacuum measuring instrument DVR 2 pro



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

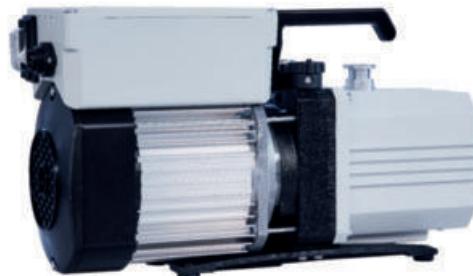
Type	PK	Cat. No.	Price GBP
DVR 2 pro	1	6.263 582	624.44

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 GBP
3.2 m³/h	0.002 mbar	2	KF DN 16	1	4.700 553	2,620.80

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)	Connector	PK	Cat. No.	Price GBP
247 x 121 x 145 mm	11.66 / 14.16 L / min.	EU	1	9.880 934	904.50
247 x 121 x 145 mm	11.66 / 14.16 L / min.	CH	1	9.880 935	904.50
247 x 121 x 145 mm	11.66 / 14.16 L / min.	UK	1	9.880 936	904.50

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
PX85	g	mg	mm			GBP
PX225D	82 / 220	0.01 / 0.1	80	1	4.663 322	3,115.56
PX124	120	0.1	90	1	4.663 324	3,238.87
PX224	220	0.1	90	1	4.663 327	1,600.23
PX224/E	220	0.1	90	1	4.663 330	1,715.75
				1	4.663 329	1,518.93

LLG-Sample dishes, Aluminium



High-quality aluminium sample dishes for moisture determination.

Description	Diam.	Height	PK	Cat. No.	Price
Sample dishes	90	7	80	6.282 670	40.68
Sample dishes	100	7	80	6.265 408	41.58

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
DBS 60-3	1	9.901 441	1,485.00

Balance brush



Oval.

Type	Size	PK	Cat. No.	Price
Brush set	2, 4, 6	1	6.266 825	24.95

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
FC5707 + angle rotor	1	6.492 207	1,260.00

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					GBP
15	Sterile, in a bag of 25 pieces	conical	500	4.668 482	75.68
50	Sterile, in a bag of 25 pieces	conical	500	4.668 483	93.68
50	Sterile, in a bag of 25 pieces	with rim	500	4.668 486	104.01
15	Aseptically, bulk pack	conical	500	6.270 403	61.24
50	Aseptically, bulk pack	conical	500	6.270 404	76.79
50	Aseptically, bulk pack	with rim	500	6.270 405	81.90

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
LLG-uniCFUGE 3 pro	EU	1	6.263 522	188.03

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
Autoclavability

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

Form	Volume	PK	Cat. No.	Price
conical	0.5	1000	9.409 023	15.44
conical	1.5	500	6.521 309	5.05
round	2.0	500	6.521 310	6.85

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	1,875.56 GBP

Lab Unlimited
CARL STUART GROUP

A CALIBRE SCIENTIFIC COMPANY

 **Calibre**
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Lab Unlimited UK | Carl Stuart UK Limited | Calibre Scientific UK
Unit 5A, R-Evolution @ The Advanced Manufacturing Park
Selden Way, Rotherham, S60 5XA, United Kingdom

Phone: 08452 304030
Email: sales@labunlimited.co.uk
Web: www.labunlimited.co.uk

Labortops

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