



2025 Q2 Labortops

VALID UNTIL 30.06.2025

Temperature Measurement	2	Occupational Safety	18
Vacuum Technology	3	Burner	19
General Laboratory Supply	4 - 5	Genomics / Proteomics	20
Chromatography	6	Cell Culture	21
Filtration	7	Microscopy	22
Glass ware	8 - 9	Spectroscopy	23
Sampling / Sample Preparation	10	Calibration Standards	24
Ultra Sonic	11	Weighing	25
Liquid Handling	12 - 13	Analytical Measurement	26
Cooling and Heating Technology	14 - 15	Centrifugation	27
Personal Protection	16	Heating / Incubation	28
pH Measurement	17	Stirring, Shaking, Mixing	29 - 32



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.

- Practical pocket size for daily use
- Backlit display allows reading in a 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)

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

Type	PK	Cat. No.	Price
TLC 750i-V2	1	6.491 695	119.81

LLG-General-purpose thermometers, green filling



Glass, solid stem, with loop, white backed. Environmentally friendly thermometer, with biodegradable, green spirit filling.

Measuring range	Graduations	Length	PK	Cat. No.	Price
-10/0 ... 110	1.0	300	1	9.235 275	15.17
-10/0 ... 110	0.5	300	1	9.235 276	15.82
-10/0 ... 150	1.0	300	1	9.235 277	16.74
-10 ... 250	2.0	300	1	9.235 278	24.53
-10 ... 360	2.0	300	1	9.235 279	26.46

Temperature meter testo 110 Food



- Precise temperature measurement
- HACCP compliant
- Reports as PDF



testo 110 Food Set

1-channel temperature measuring device for simple, fast and precise temperature measurement with external NTC or Pt100 temperature sensors. The temperature measuring device is certified to EN 13485 and HACCP-compliant.

Scope of supply testo 110 Food: Temperature meter, protective case TopSafe, calibration protocol, batteries (3 x AA).

Scope of supply testo 110 Food Set: Temperature meter, stainless steel food probe, protective case TopSafe, calibration protocol, batteries (3 x AA).

Protective case: with mounting magnets and stand-up bracket. Protects the device from impact and dirt.

Type	External dimensions (W x D x H) mm	Dim. Probe (Ø x L) mm	PK	Cat. No.	Price
testo 110 Food	60 x 28 x 135	-	1	4.701 464	137.70
testo 110 Food Set	60 x 28 x 135	4 x 125	1	4.701 465	203.40
Protective case	-	-	1	4.701 466	34.20

LLG-Adapter for thermometer, borosilicate glass 3.3



Adapter for securing thermometers. With compression screw cap and O-ring.

Ground size	Adapter bore diam. mm	Neck thread	PK	Cat. No.	Price
NS		GL			GBP
14/23	6	14	2	4.686 179	18.36
29/32	6	14	2	4.686 178	22.77

Scroll vacuum pump
SCROLLVAC 3S plus



- Low final pressure
- Low noise
- Low maintenance



New



The oil-free, dry-compressing vacuum pump works on the principle of a scroll compressor and combines a high pumping speed with a good ultimate vacuum. Ideal for small laboratories as well as applications in research and development. The integrated exhaust valve provides effective protection against a rapid pressure rise in the event of a power failure.

- Powerful, dry-operating alternative to diaphragm pumps
- Can be operated horizontally or vertically
- Compact design with low-weight
- Max. pump speed of 3 m³/h
- Build-in manual gas ballast
- Long maintenance intervals due to oil-free operation, low maintenance
- Low vibration and quiet operation

Specifications

Ultimate vacuum: 0.1 mbar
 Ultimate vacuum with gas ballast: 0.15 mbar
 Connection on suction side: KF DN 16
 Noise level: 54 db(A)

Type	Plug type	Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
SCROLLVAC 3S plus	EU	158 x 224 x 231	1	4.700 564	3,733.38
SCROLLVAC 3S plus	UK	158 x 224 x 231	1	6.523 175	3,733.38

Digital vacuum gauge
THERMOVAC TM 101



The temperature-compensated vacuum gauge is used for absolute pressure measurement. It can be used as a mobile hand-held gauge or as an instrument permanently integrated into a system. The integrated memory function stores up to 2000 measured values.

- For rough and fine vacuum measurements
- Large display
- Can be used directly in a vacuum
- Adjustable gas type correction factor
- Pressure unit selectable between mbar, Torr, and Pascal
- Incl. 9 V block battery 6LR61

Type	Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
THERMOVAC TM 101	60 x 25 x 120	1	4.700 538	944.10

Diaphragm vacuum pumps
LABOPORT® N820G/N840G,
chemically-resistant



The compact pumps feature a control knob for manual adjustments of the flow rate, making them well-suited to a wide variety of applications. Due to the manual rotational speed control, the pumps are quiet, very energy efficient, and can be optimally adjusted following the application.

- Easy-to-clean surface
- The combination of PTFE pump head and PTFE-coated diaphragm makes the pump ideal for extremely aggressive/corrosive gases and vapours
- High level of compatibility with vapour and condensation
- Integrated gas ballast valve
- 3-color status display: In operation/Stand-by/Error
- ATEX-compliant by II 2/-G IIB+H2 T3 internal atmosphere only

Specifications

Ultimate vacuum (abs.): 6 mbar
 Operating pressure: 0.1 bar
 Connectors for tube: ID 9/10 mm
 Permissible ambient temperature: 5 ... 40 °C
 Pump head: TFM™ PTFE
 Diaphragm: PTFE-beschichtet
 Valves: FFPM

Type	Flow rate L / min.	Dimensions (W x D x H) mm	PK	Cat. No.	Price GBP
N820G	20	163 x 259 x 220	1	4.672 375	1,755.94
N840G	34	177 x 289 x 240	1	4.672 376	1,933.78

Vacuum tubing, rubber (NR)



Red. Durometer 45 Shore A.

Int. diam. mm	Wall thickness mm	PK	Cat. No.	Price GBP
6	5	10	9.205 812	101.37
8	5	10	9.205 814	133.38

Mini coolers, PC



Mini coolers are designed to protect a wide range of solutions (enzymes, DNA, RNA, cell suspensions) by helping to maintain freezer temperatures on the lab bench. Durable polycarbonate filled with non-toxic gel. Mini coolers hold twelve 0.5 ml to 2.0 ml tubes.

Colour	Temperature-maintained on lab bench	PK	Cat. No.	Price
				GBP
Red	0 °C, up to 60 min	1	6.802 253	100.67
Yellow	-20 °C up to 60 min	1	7.300 442	100.67
White	-70 °C up to 45 min	1	7.090 437	100.67

LLG-Multipurpose containers, PP, with screw cap

Made in the EU



New



Transparent multipurpose containers with red screw caps made of PE. Universally applicable, e.g. for storing or transporting samples. With graduation and frosted labelling field.

For research and development only.

Nominal capacity ml	Sterile	PK	Cat. No.	Price
				GBP
60*	no	500	4.694 707	101.07
60*	yes	500	4.694 708	114.84
120*	no	250	4.694 710	56.97
120*	yes	250	4.694 711	87.30
60	no	600	4.694 706	114.84
120	no	300	4.694 709	61.56

* individually wrapped

Measuring jugs, PP



Transparent. With a stable handle and easily readable, printed black graduations on both sides. Therefore, the volume is equally visible for left- and right-handers. To preserve markings, do not clean at temperatures exceeding 60 °C.

- Stackable
- Food-safe product according to regulation (EU) No. 10/2011

Nominal capacity ml	Grad. ml	Ext. diam. mm	Height mm	PK	Cat. No.	Price
						GBP
250	5	75	115	1	9.275 738	3.02
500	10	97	140	1	9.275 740	3.28
1000	10	125	167	1	9.275 742	4.66
2000	20	148	212	1	9.275 744	9.48
3000	50	170	242	1	9.275 746	12.82

Wide-mouth bottles, HDPE, with screw cap, PP



Ideal for sampling, storing, and transporting liquid, pasty and granulated products. Food safe. The batch certificate is available to download. Transparent.

Capacity ml	Diam. mm	Thread external diam. mm	Height mm	PK	Cat. No.	Price
						GBP
30	32	29.6	70	10	6.253 645	10.16
60	40	29.6	82	10	6.253 646	11.28
100	51	36.9	89	10	6.253 178	11.64
125	51	36.9	104	10	6.252 222	12.39
150	51	36.9	116	10	6.254 042	14.25
250	60	43.1	140	10	6.256 221	25.70
500	75	53.0	161	10	6.252 111	31.61
1000	90	61.6	205	5	6.252 112	26.60
2000	120	61.6	242	5	6.253 038	52.51

Lab storage system MagLab, magnetic



MagLab Series

Features four powerful magnets for a secure hold onto most metal surfaces, or create your holding point with the metal plate provided.

- MagRack holds four 50 mL tubes and nine 15 mL tubes (Part of the MagLab series Cat. No. 6.254 581, not to be purchased individually)
- MagWipe holds a wipe box (110 x 210 mm)
- MagPette holds two common pipettors
- MagBox holds miscellaneous accessories
- MagLab Series incl. MagRack, MagWipe, MagPette, MagBox
- Incl. self-adhesive metal plate

Type	Colour	Dimensions (W x D x H) mm	PK	Cat. No.	Price
MagLab Series	assorted	-	4	6.254 581	72.35
MagWipe	green	130 x 91 x 98	1	6.254 583	20.87
MagPette	purple	131 x 112 x 76	1	6.254 584	20.87
MagBox	orange	130 x 78 x 102	1	6.254 585	20.87

Assortment box, ABS



Kit B

- Replaceable inserts
- Compartment for a sharps container
- With supply drawer
- Built-in side pockets offer additional storage space
- The handle includes a soft rubber grip to reduce hand and finger strain

Scope of supply: Tray, 13 or 16 mm OneRack® tube rack, 2 x disposable polystyrene inserts

Type	Description	Dimensions (W x D x H) mm	PK	Cat. No.	Price
Kit A	Insert for 13 mm Tube Rack	429 x 265 x 172	1	6.243 252	111.65
Kit B	Insert for 16 mm Tube Rack	429 x 265 x 172	1	6.238 550	105.77

Label printer
DYMO® LabelWriter™ 550 Turbo



- Ethernet interface enables LAN network connectivity

Scope of supply: Label printer, 1 x label starter roll (28 x 89 mm), power adapter, power cable, USB cable, quick start guide

Max. label width:	59 mm
Print speed:	90 labels/min.
Weight:	645 g
Power supply:	24 V, 2.5 A

Type	External dimensions (W x D x H) mm	PK	Cat. No.	Price
DYMO® LabelWriter™ 550 Turbo	127 x 187 x 136	1	4.687 586	163.79

High-performance labels for
DYMO® LabelWriter™ 550 Turbo, white

LW Labels with industrial adhesive for secure, permanent adhesion to many surfaces, such as paper, plastic, metal, wood, and glass.



- Scratch and tear-resistant plastic material
- Label printing with direct thermal printing technology
- Pre-assembled labels for quick and easy application
- Moisture resistant
- BPA-free
- Temperature resistant from -18 to 50 °C

Package contents	Dimensions (D x W) mm	For	PK	Cat. No.	Price
1 roll with 800 labels	32 x 57	4.687 583	1	4.687 583	140.39
2 rolls with 450 labels	19 x 64	4.687 578	1	4.687 578	108.57
2 rolls with 350 labels	25 x 89	4.687 579	1	4.687 579	108.57
2 rolls with 850 labels	25 x 25	4.687 580	1	4.687 580	108.57

Laboratory toolbox



- Complete set
- For routine works

You can find a detailed description of the contents of the laboratory case in our shop.

Type	PK	Cat. No.	Price
PROXXON 23650	1	9.306 125	250.77

Hydrogen generator Precision Hydrogen SL 100

The smallest hydrogen generator in the Precision Hydrogen SL line safely and continuously produces laboratory-quality hydrogen with a purity of 99.9995% for GC-FID. The generator is available either by manual or automatic water filling.



Small and compact



- Minimal hydrogen storage in the system
- Very low maintenance requirements
- Auto-shutdown fail-safe

Specifications

Purity:	99.9995%
Max. pressure:	6.9 bar
Required water quality:	<1.0 µS/cm
Gas connection:	1 x 1/8" Swagelok
Dimensions (W x D x H):	160 x 355 x 250 mm
Power supply:	100 ... 240 V, 50/60 Hz
Warranty:	2 years



Description	Colour	Flow rate L / min.	PK	Cat. No.	Price GBP
With manual water fill	black	0.1	1	4.678 137	5,379.30
With manual water fill	white	0.1	1	4.678 138	5,379.30
With auto water fill	black	0.1	1	4.678 139	5,692.50
With auto water fill	white	0.1	1	4.678 140	5,692.50

LLG-Headspace-Precision Thread Vials ND18



Type	Capacity ml	o.d. x Height mm	Colour	Form	PK	Cat. No.	Price GBP
(1)	10	22.5 x 46	clear	rounded bottom	100	9.003 466	38.75
(2)	20	22.5 x 75.5	clear	rounded bottom	100	4.008 270	43.11

LLG-Magnetic Universal Screw Seals ND18 for Precision Thread Vials ND18



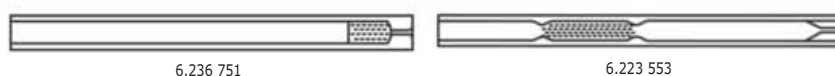
Type	Caps	Septa	Hardness	Thickness mm	PK	Cat. No.	Price GBP
(3)	silver, center hole	Butyl red / PTFE grey	55° shore A	1.6	100	4.008 269	55.17
(4)	silver, center hole	Silicone blue transparent/PTFE white	45° shore A	1.3	100	6.241 111	81.24
(5)	silver, center hole	Silicone white / PTFE blue	55° shore A	1.5	100	4.008 268	103.71
(6)	silver, without hole	Butyl red / PTFE grey	55° shore A	1.6	100	6.262 513	67.50
(7)	silver, without hole	Silicone white / PTFE red UltraClean	45° shore A	1.3	100	6.267 122	81.45

Inlet Liner and o-rings for Agilent GC

Inlet Liner for Agilent 5890, 6850, 6890, 7890 and HP4890.



- 5 or 25 packs, individually packed
- Complete with instrument-appropriate o-rings and sealing rings
- Each pack is supplied with quality test results



Description	Ext. diam. mm	Int. diam. mm	Length mm	PK	Cat. No.	Price GBP
Split, with Quartz wool	6.3	4.0	78.5	5	9.003 576	120.96
Split / Splitless with Single Taper (Quartz Wool)	6.3	4.0	78.5	5	6.236 751	151.83
Split/Splitless FocusLiner®	6.3	4.0	78.5	25	6.239 332	672.39
Split/Splitless Tapered Focus Liner®	6.3	4.0	78.5	5	6.223 553	205.92
Split/Splitless FAST FocusLiner®	6.3	2.3	78.5	5	6.223 554	187.65

TFF cassettes Vivaflow® SU series



! For research and development

Tangential flow filtration (TFF) cassettes for ultrafiltration and diafiltration of medium sample volumes. Specially designed for applications in research and development laboratories. High-performance membranes with a membrane area of 50 cm² ensure maximum recovery. No flushing or cleaning is required.

New



Individual run, 0.2 µm

For the individual run of a cassette with a volume of 100 to 500 ml.

- Scope of supply:**
 2 x cassettes,
 2 x feed tubing,
 2 x permeate tubing,
 2 x pressure indicator,
 2 x retentate tubing with restrictor

Pore size µm	Dimensions (W x D x H) mm	Material Membrane	PK	Cat. No.	Price GBP
0.2	98 x 13 x 116	PES	2	4.704 918	198.90

Serial run, 0.2 µm

For the serial run of both cassettes with 500 to 1000 ml volume.

- Scope of supply:**
 2 x cassettes,
 1 x feed tubing,
 1 x serial connector,
 2 x permeate tubing,
 1 x pressure indicator,
 1 x retentate tubing with restrictor

Pore size µm	Dimensions (W x D x H) mm	Material Membrane	PK	Cat. No.	Price GBP
0.2	98 x 13 x 116	PES	2	4.704 919	198.90

Individual run, 2-1000 kDa MWCO

For the individual run of a cassette with a volume of 100 to 500 ml.

- Scope of supply:**
 2 x cassettes,
 2 x feed tubing,
 2 x permeate tubing,
 2 x pressure indicator,
 2 x retentate tubing with restrictor

MWCO kDa	Dimensions (W x D x H) mm	Material Membrane	PK	Cat. No.	Price GBP
5	98 x 13 x 116	PES	2	4.704 904	198.90
10	98 x 13 x 116	PES	2	4.704 906	198.90
30	98 x 13 x 116	PES	2	4.704 908	198.90
50	98 x 13 x 116	PES	2	4.704 910	198.90
100	98 x 13 x 116	PES	2	4.704 912	198.90
300	98 x 13 x 116	PES	2	4.704 914	198.90
1000	98 x 13 x 116	PES	2	4.704 916	198.90
2	98 x 13 x 116	RC	2	4.704 920	198.90
5	98 x 13 x 116	RC	2	4.704 922	198.90
10	98 x 13 x 116	RC	2	4.704 924	198.90
30	98 x 13 x 116	RC	2	4.704 926	198.90
100	98 x 13 x 116	RC	2	4.704 928	198.90
300	98 x 13 x 116	RC	2	4.704 930	198.90

Serial run, 2-1000 kDa MWCO

For the serial run of both cassettes with 500 to 1000 ml volume.

- Scope of supply:**
 2 x cassettes,
 1 x feed tubing,
 1 x serial connector,
 2 x permeate tubing,
 1 x pressure indicator,
 1 x retentate tubing with restrictor

MWCO kDa	Dimensions (W x D x H) mm	Material Membrane	PK	Cat. No.	Price GBP
5	98 x 13 x 116	PES	2	4.704 905	198.90
10	98 x 13 x 116	PES	2	4.704 907	198.90
30	98 x 13 x 116	PES	2	4.704 909	198.90
50	98 x 13 x 116	PES	2	4.704 911	198.90
100	98 x 13 x 116	PES	2	4.704 913	198.90
300	98 x 13 x 116	PES	2	4.704 915	198.90
1000	98 x 13 x 116	PES	2	4.704 917	198.90
2	98 x 13 x 116	RC	2	4.704 921	198.90
5	98 x 13 x 116	RC	2	4.704 923	198.90
10	98 x 13 x 116	RC	2	4.704 925	198.90
30	98 x 13 x 116	RC	2	4.704 927	198.90
100	98 x 13 x 116	RC	2	4.704 929	198.90
300	98 x 13 x 116	RC	2	4.704 931	198.90



LLG-Erlenmeyer flasks with standard ground joint, borosilicate glass 3.3



Ideal for mixing liquids. With standard ground joint and white graduation. Acc. to ISO 4797.

Capacity	Ground size	Height	PK	Cat. No.	Price
ml	NS	mm			GBP
50	14/23	85	2	4.686 106	13.32
50	19/26	85	2	4.686 107	13.77
50	29/32	85	2	4.686 108	14.40
100	14/23	100	2	4.686 109	14.22
100	19/26	100	2	4.686 110	15.30
100	29/32	100	2	4.686 111	14.58
250	19/26	140	2	4.686 112	19.71
250	24/29	140	2	4.686 113	20.25
250	29/32	140	2	4.686 114	15.84
300	29/32	156	2	4.686 115	18.27
500	29/32	175	2	4.686 116	20.70
1000	29/32	220	1	4.686 117	19.08
2000	29/32	270	1	4.686 118	41.13

LLG-Erlenmeyer flasks, with a screw cap, borosilicate glass 3.3

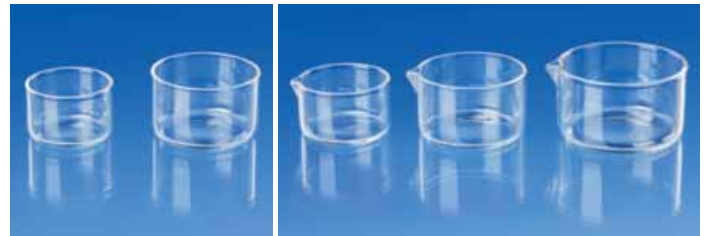


Erlenmeyer flasks made of borosilicate glass 3.3, screw cap with PTFE liner.

- White graduation and labelling field
- GL thread

Capacity	Thread	PK	Cat. No.	Price
ml	GL			GBP
100	32	2	4.686 198	27.54
250	32	2	4.686 199	36.72
500	32	2	4.686 200	41.58
1000	32	1	4.686 201	36.63

LLG-Crystallising dishes without and with spout, borosilicate glass



The crystallising dishes have a flat base, are made of borosilicate glass, and are characterised by high temperature and chemical resistance. Complies with DIN 12337 and DIN 12338 (with spout). Autoclavable.

Nominal capacity	Dimensions (dia. x H)	PK	Cat. No.	Price
ml	mm			GBP
20	40 x 25*	1	4.705 694	4.47
40	50 x 30*	1	4.705 695	4.54
60	60 x 35*	1	4.705 696	5.37
100	70 x 40*	1	4.705 697	6.70
150	80 x 45*	1	4.705 698	14.19
300	100 x 45*	1	4.705 699	15.29
500	125 x 65*	1	4.705 700	16.74
900	150 x 75*	1	4.705 701	22.45
2000	200 x 90*	1	4.705 702	36.00
3500	230 x 100*	1	4.705 703	43.07
20	40 x 25	1	4.705 704	5.90
40	50 x 30	1	4.705 705	6.10
60	60 x 35	1	4.705 706	7.26
100	70 x 40	1	4.705 707	8.33
150	80 x 45	1	4.705 708	15.48
300	100 x 45	1	4.705 709	17.42
500	125 x 65	1	4.705 710	19.84
900	150 x 75	1	4.705 711	25.07
2000	200 x 90	1	4.705 712	38.97
3500	230 x 100	1	4.705 713	46.17

* without spout

LLG-Separating funnel, conical, borosilicate glass 3.3



Separating funnel with PTFE stopcock.

- DIN ISO 4800
- With standard ground joint and stopper

Nominal capacity	Bore	Ground size	PK	Cat. No.	Price
ml	mm	NS			GBP
50	2.5	19/26	1	4.686 257	36.27
100	2.5	19/26	1	4.686 258	36.72
250	4.0	29/32	1	4.686 259	42.66
500	4.0	29/32	1	4.686 260	45.36
1000	6.0	29/32	1	4.686 261	64.71
2000	6.0	29/32	1	4.686 262	77.76



LLG-Beakers, borosilicate glass



New



Low form

LLG-Beakers are made of borosilicate glass and are characterised by high temperature and chemical resistance. The beakers are graduated and the spout facilitates pouring. Complies with ISO 3819. Autoclavable.

Nominal capacity ml	PK	Cat. No.	Price GBP
5	10	4.705 680	33.84
10	10	4.705 681	36.50
25	10	4.705 682	36.32
50	10	4.705 683	30.60
100	10	4.705 684	26.01
150	10	4.705 685	28.71
250	10	4.705 686	33.17
400	8	4.705 687	28.48

Tall form

LLG-Beakers are made of borosilicate glass and are characterised by high temperature and chemical resistance. The beakers are graduated and the spout facilitates pouring. Complies with ISO 3819. Autoclavable.

Nominal capacity ml	PK	Cat. No.	Price GBP
25	10	4.705 688	36.32
50	10	4.705 689	26.91
100	10	4.705 690	28.22
150	10	4.705 691	31.86
250	10	4.705 692	33.71
400	8	4.705 693	31.10

LLG-Volumetric flasks, borosilicate glass 3.3, class A



Conformity certified with batch ID.

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

Capacity ml	Tolerance ± ml	Ground size NS	PK	Cat. No.	Price 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 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 ml	Tolerance ± ml	Ground size NS	PK	Cat. No.	Price 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
2000	0.600	29/32	1	4.686 256	82.98

Core drill, stainless steel V4A

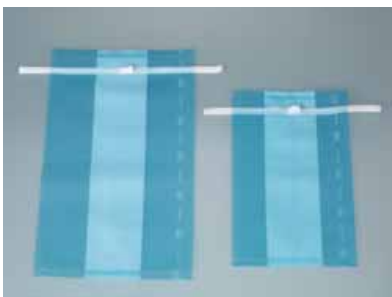


The core sampler can be used to sample bulk materials which, due to their particle shape, are easily jammed or stuck during sampling. Compared to conventional all-layer samplers for bulk solids, the two-part core sampler has no gaps into which the medium can tilt during sampling. This enables professional sampling of a wide variety of powders and granulates through several layers, e.g. glass beads or metal powder. Depending on the size, the stainless steel sampler can be used for a wide variety of containers, such as big bags or small containers. The bulk material sampler takes a representative core sample and is ideal for use in various areas of laboratory and industry.

Scope of delivery: Core drill (consisting of drill rod and drill tube), fixing clip

Nominal capacity ml	External (Ø x L) mm	PK	Cat. No.	Price GBP
15	15 x 200	1	4.680 865	489.24
110	25 x 400	1	4.680 866	532.13
230	25 x 800	1	4.680 867	577.22

Sample bags SteriBag blue, PE, sterile



For use in the food, animal feed and pharmaceutical industries. To prevent the danger of foreign matter in production, the sample bags and the tear-off closure are coloured blue.

- Liquid-tight
- Free of RNases, DNases and pyrogens
- With write-on panel

Nominal capacity ml	Width mm	Length mm	PK	Cat. No.	Price GBP
650	140	229	500	4.665 341	234.36
1650	178	305	250	4.665 342	170.28

Disposable tweezers, PS



For precise laboratory work.

- Serrated handles
- Cleanroom manufactured (cleanroom class 7)
- Food-safe

Form	Length mm	Sterile	PK	Cat. No.	Price GBP
Pointed / angled: fine, smooth, curved gripping tip	130	+	100	4.670 759	54.81
Pointed: straight, inside, serrated tip	130	+	100	4.670 761	54.81
Wide tip: smooth and blunt tip	130	+	100	4.670 763	54.81

Sample bags Sani-Stick and Sani-Sponge, with cellulose sponge



- High quality
- Made in Canada



For taking surface samples.

- With writing area
- Rigid handle (Sani-Stick)
- Integrated secure closure system with 2 round wires (Sani-Sponge)
- Quick release system for the sponge
- Integrated secure closure system with 2 round wires
- Sterile
- Contaminant-free
- Waterproof and airtight
- RNase, DNase and pyrogen-free

Nominal capacity ml	Dimensions (W x H) mm	Medium	PK	Cat. No.	Price GBP
1200	152 x 267*	Lethen broth	10	6.522 307	31.35
1200	152 x 267*	Dey-Engley neutralising broth	10	6.522 308	31.35
1200	152 x 267*	Buffered peptone water	10	6.522 309	31.35
1200	152 x 267*	Neutralising buffer	10	4.701 832	31.35
2100	191 x 292**	Buffered peptone water	100	6.522 404	288.70
2100	191 x 292**	Lethen broth	100	6.522 393	289.59
2100	191 x 292**	Neutralising buffer	100	6.522 405	281.57
2100	191 x 292**	Dey-Engley neutralising broth	100	6.522 406	286.44

* Sani-Stick, **Sani-Sponge

Ultrasonic baths SONOREX smart ST



- ECO mode
- Touchscreen
- Numerous functions



These all-round devices with intuitive touchscreen operation offer detailed setting options for every parameter, precise process monitoring and logging and program memory for reliably reproducible results.

- With warning and switch-off function
- With dry-running protection
- Adjustable from 10 to 100%
- Process duration is accurate to the second, with an automatic switch-off
- ECO mode to reduce energy consumption
- Individual programmes can be saved
- Choice of different languages
- Process documentation via DST 01 docking station (optional) with USB and Ethernet



Type	Nominal capacity l	Plug type	PK	Cat. No.	Price
smart ST 102 H	3.0	EU	1	4.709 932	1,312.20
smart ST 102 H	3.0	CH	1	4.710 003	1,312.20
smart ST 102 H	3.0	UK	1	4.710 004	1,312.20
smart ST 510 H	9.7	EU	1	4.709 937	1,702.80
smart ST 510 H	9.7	CH	1	4.710 018	1,702.80
smart ST 510 H	9.7	UK	1	4.710 019	1,702.80
smart ST 1028 H	28.0	EU	1	4.709 940	3,057.30
smart ST 1028 H	28.0	CH	1	4.710 027	3,057.30
smart ST 1028 H	28.0	UK	1	4.710 028	3,057.30

Suspension baskets for Sonorex ultrasonic baths



Stainless steel. Optimal ultrasonic wave transmission. Items to be cleaned should not be placed on the bottom of the tank.

Type	For bath type	Dimensions (W x D x H) mm	PK	Cat. No.	Price
K 3 C	ST 102 H	200 x 110 x 40	1	9.877 633	66.60
K 10	ST 510 H	250 x 195 x 50	1	9.877 697	188.10
K 28	ST 1028 H	455 x 245 x 50	1	9.877 698	270.90

Lids for Sonorex ultrasonic baths



Stainless steel. For covering bath tanks, as outlined below.

Type	For bath type	PK	Cat. No.	Price
D 100	ST 102 H	1	9.877 603	43.20
D 510	ST 510 H	1	9.877 610	62.10
D 1028	ST1028 H	1	9.877 607	82.80

Docking station DST 01 for ultrasonic baths SONOREX smart ST



Simple transfer of the process logs to other storage media. USB-A, USB-B and Ethernet connection.

Type	For	PK	Cat. No.	Price
DST 01	SONOREX smart ST	1	6.328 138	210.60



Solvent pump hand operated



For contamination-free removal of organic solvents and flavouring agents. Can be completely closed off with two ball valves so that no dangerous vapours can escape after dispensing. Electrostatic charge can be dissipated through the accessory antistatic set (please order separately).

- Medium-contacting parts are made of stainless steel (1.4301) and PTFE
- For containers up to 60 litres
- Suitable for containers with R 2" thread
- The solvent pump for tinplate canisters has a connector thread for pull-out spouts

Description	Immersion depth mm	PK	Cat. No.	Price
				GBP
Hand pump	600	1	9.001 349	457.74
Hand pump for tinplate canisters	600	1	6.237 176	493.70

Solvent pump foot operated



For filling off high-purity liquids such as solvents. Due to the barrel screw joint and the stopcock, the container and the pump can be hermetically sealed. Electrostatic charge can be dissipated through the accessory antistatic set (please order separately).

- Medium-contacting parts made of stainless steel (1.4301) and PTFE
- For barrels up to 220 litres, the immersion tube can be steplessly adjusted to the barrel depth
- Suitable for steel barrels with R 2" thread

Description	Immersion depth mm	Flow rate L / min.	PK	Cat. No.	Price
					GBP
Foot pump with rigid angled tube	950	30	1	9.001 134	501.21
Foot pump with flexible tubing	950	30	1	6.236 800	671.72

Space-saving jerrycans, HDPE, electrically conductive



Black. For use in explosion-protected areas. Electrostatic charge can be dissipated through the accessory antistatic set (please order separately).

- Antistatic
- Surface resistance <math>< 10^5 \text{ Ohm}</math>
- With or without threaded connector 3/4"
- Space-saving due to its narrow width
- Electrically conductive stopcock StopCock PA (available as accessory)

Nominal capacity ml	Description	Width mm	PK	Cat. No.	Price
					GBP
5000	with threaded connector	65	1	4.665 332	52.25
5000	without threaded connector	65	1	4.665 330	47.83
10000	with threaded connector	125	1	4.665 333	68.67
10000	without threaded connector	125	1	4.665 331	66.47

Tubing clamps stop-it, Metall



Tubing clamps can regulate or stop the flow through of tubings that carry fluids or gases.

To fit tubing mm	PK	Cat. No.	Price
			GBP
0.5 ... 10	1	9.303 787	3.04
0.8 ... 15	1	9.303 788	4.86
1.1 ... 20	1	9.303 789	5.27
2.5 ... 30	1	9.303 790	8.10

Anti-static set



When dispensing combustible/explosive liquids pump, both the dispensing and filling drum involved in the process must be sufficiently earthed, to prevent ignition or explosion through electrostatic discharges. The antistatic set includes three colour-coded connecting cables with clamps, supplied complete in a plastic case.

Type	PK	Cat. No.	Price
			GBP
Antistatic set	1	9.001 346	50.40

Single channel microliter pipettes, Transferpette® S, variable



Volume ranges from 0.1 µl to 10000 µl.

- Volume-change protection
- Easy Calibration technology: Calibration without tools
- Completely autoclavable at 121 °C
- Colour code on volume adjustment wheel, shaft and volume-change protection
- DE-M marking

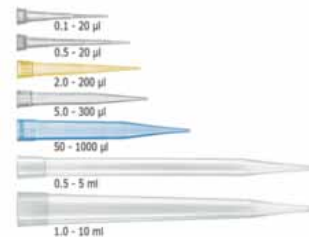
Scope of supply: Transferpette® S type adjustable volume, with performance certificate, shelf/rack mount, labelling foil, silicone grease



Capacity	Accuracy max. vol.	Precision max. vol.	Tip	PK	Cat. No.	Price
µl	(± R%)	(≤ CV%)	µl			GBP
0.1 ... 1	2	1.2	0.1 ... 20	1	9.280 140	191.42
0.1 ... 2.5	1.4	0.7	0.5 ... 20	1	9.280 141	191.42
0.5 ... 10	1.0	0.5	0.5 ... 20	1	9.280 142	191.42
2 ... 20	0.8	0.4	2 ... 200	1	9.280 143	191.42
5 ... 50	0.8	0.3	2 ... 200	1	9.280 144	191.42
10 ... 100	0.6	0.2	2 ... 200	1	9.280 145	191.42
20 ... 200	0.6	0.2	2 ... 200	1	9.280 146	191.42
100 ... 1000	0.6	0.2	50 ... 1000	1	9.280 147	191.42
500 ... 5000	0.6	0.2	500 ... 5000	1	9.280 148	191.42
1000 ... 10000	0.6	0.2	1000 ... 10000	1	9.280 149	191.42

Pipette tips, bulk, in reclosable bags, non-sterile

All tips and filter tips are produced under supervised state-of-the-art Cleanroom conditions and automatically shrink-wrapped in reclosable bags and packaged in cardboard boxes. The batch number is printed on every bag.



Colour	Capacity	Package contents	PK	Cat. No.	Price
	µl				GBP
natural	0.1 - 20	2 bags of 1000	2000	9.409 669	69.12
natural	0.5 - 20	2 bags of 1000	2000	9.409 670	64.44
yellow	2 - 200	1 bag of 1000	1000	9.409 672	21.42
natural	5 - 300	1 bag of 1000	1000	9.409 673	25.74
blue	50 - 1000	2 bags of 500	1000	9.409 674	24.26
natural	500 - 5000	1 bag 200	200	9.409 223	20.07
natural	1000 - 10000	2 bags of 100	200	9.409 191	37.54

Pipettors, variable, repeating, Stepper™ 416



Highly comfortable pipette, intended for reliable repeat dispensing from 10 to 5000 µl. Unique trigger action mechanism eliminates thumb fatigue. Wide selection between 53 different volumes; up to 73 doses per filling. Two-year warranty.

- Setting knobs bear a clear indication of volumes and number of aliquots
- Three positive displacement syringes, colour-coded
- Self-locking mechanism



Description	PK	Cat. No.	Price
Stepper™ 416 supplied with colour-coded adjustment knobs, adapter, samples of Eco-step syringes	1	4.678 370	301.58

Syringe tips, Eco-step for Stepper™ 416



The disposable PE/PP syringes can be quickly and easily inserted into the Stepper™ 416. Three sizes of syringes cover the entire volume range from 10 to 5000 µl.

Bioproof: Sterilized syringes are DNase-, RNase- and pyrogen-free certified.

Type	Capacity	Capacity	PK	Cat. No.	Price
	µl				GBP
Non-sterile	10 - 100	0.75	100	9.411 509	98.37
Non-sterile	50 - 500	3.75	100	9.411 511	100.20
Non-sterile	500 - 5000	37.5	100	9.411 513	132.30
Sterile	10 - 100	0.75	50	9.411 578	113.85
Sterile	50 - 500	3.75	50	9.411 579	116.73
Sterile	500 - 5000	37.5	50	9.411 580	153.23

Ultra-low temperature upright freezers ULT series, up to -86 °C

Compact ultra-low temperature freezer for temporary to long-term cold storage of biological samples.

- Temperature logger with USB port
- Battery backup for 48 h
- Digital controller with display
- High/low-temperature alarm
- Audible and visual alarm
- Contact for remote alarm
- Porthole for external probe and CO₂ backup
- Eco-friendly, HCFC-free Nature R refrigerant

Type designation -PLUS: With extended exchange warranty. In warranty cases which cannot be solved quickly on-site, the client receives a new device.



- Reliable and powerful
- Digital controller
- Audible and visual alarm



Specifications

Temperature range: -86 ... -60 °C
 Temperature probes: 1 x PT 1000
 Power supply: 230 V, 50 Hz

Type	Capacity	External dimensions (W x D x H) mm	Internal dimensions (W x D x H) mm	Weight kg	PK	Cat. No.	Price GBP
ULT U35	37 Litres	630 x 675 x 650	439 x 271 x 433	59	1	6.322 824	5,005.80
ULT U35-PLUS	37	630 x 675 x 650	439 x 271 x 433	59	1	6.490 712	7,356.60
ULT U100	93	595 x 630 x 825	430 x 425 x 625	60	1	4.672 408	4,626.00
ULT U100-PLUS	93	595 x 630 x 825	430 x 425 x 625	60	1	4.672 428	6,479.10

Ultra-low temperature chest freezers ULT series, up to -86 °C

Ultra-low temperature freezer for temporary to long-term cold storage of biological samples. Ideal for daily use in laboratories and scientific facilities.

- Digital controller with display
- Audible and visual alarm
- High/low-temperature alarm
- Contact for remote alarm
- Battery backup for 48 h
- Porthole (Ø12 mm) for external probe and CO₂ backup
- Integrated lock
- With 4 castors
- Eco-friendly, HCFC-free Nature R refrigerant

Specifications

Internal humidity: -86 ... -60 °C
 Temperature probes: 1 x PT 1000
 Power supply: 230 V, 50 Hz



Type	Capacity	External dimensions (W x D x H) mm	Internal dimensions (W x D x H) mm	Weight kg	PK	Cat. No.	Price GBP
ULT C75	71 Litres	555 x 630 x 630	387 x 387 x 465	45	1	4.672 404	3,785.40

Digital water baths



- Including lid
- Color TFT display

- Color TFT display with control panel
- Calibration offset feature
- 5 user programmable pre-sets (temperature and duration)
- 5 languages (English, German, French, Spanish and Chinese)
- Integrated independent timer
- Rear-mounted drain (10, 20 and 28 litres)

Scope of supply: Digital water bath, incl. lid



Specifications

Temperature range:	Ambient +5 °C ... 100 °C
Temperature uniformity:	±0.2 °C
Temperature stability:	±0.1 °C
Power supply:	240 V, 50 Hz

Type	Capacity of the bath litres	PK	Cat. No.	Price
				GBP
WBE02A12E	2	1	6.274 985	525.80
WBE05A12E	5	1	6.274 986	634.15
WBE10A12E	10	1	6.274 987	756.48
WBE20A12E	20	1	6.274 988	912.02
WBE28A12E	28	1	6.274 989	959.85

Heating bath circulator ECO ET Gold, with polycarbonate bath tank



Thermostatic bath circulator with the latest microprocessor technology. With flow rate switch on the control head for individual setting of the internal and external circulation, even during operation.

- User-friendly menu navigation in plain language
- Safety class III for operation with flammable and non-flammable liquids
- Pump with 6 adjustable performance levels
- Cooling coil as standard
- USB interface as standard
- Coloured TFT display for simultaneous indication of actual and set values and graphic illustration of the temperature profile
- Stainless steel pump connectors (M16x1 thread)

Type	Capacity litres	PK	Cat. No.	Price
				GBP
ET 6 G	5.0 ... 6.0	1	6.319 701	2,610.00
ET 12 G	9.5 ... 12.0	1	6.242 985	2,943.00
ET 15 G	13.5 ... 15.0	1	6.259 775	2,961.00
ET 20 G	15.0 ... 20.0	1	6.522 851	2,961.00

Refrigerated circulators CORIO™ CD series



- Choose your color!
- Environmentally friendly
- Natural refrigerant



Refrigerated circulators are suitable for internal and external standard temperature applications as well as routine work in laboratories and industry.

- Bright, white, easy-to-read display
- Easy pump switching between internal and external circulation
- External pump connections (M16x1)
- USB connection
- Space-saving cooling coil design yields more usable space in the bath tank
- Stainless steel bath tank including bath lid and drain tap
- Removable ventilation grid
- Refrigeration unit without lateral ventilation openings
- 2 hose olives each suitable for hose inner diameter 8 and 12 mm included
- Class III (FL) acc. to DIN 12876-1



Type	Capacity litres	PK	Cat. No.	Price
				GBP
CD-310F	3 ... 4	1	4.685 626	4,001.40
CD-450F	3 ... 4	1	4.685 628	4,437.90
CD-800F	5 ... 7.5	1	4.692 234	5,850.90
CD-1200F	5 ... 7.5	1	4.692 235	6,980.40
CD-310F, green foiled	3 ... 4	1	4.710 157	4,001.40
CD-450F, green foiled	3 ... 4	1	4.710 158	4,437.90
CD-800F, green foiled	5 ... 7.5	1	4.710 159	5,850.90
CD-1200F, green foiled	5 ... 7.5	1	4.710 160	6,980.40

LLG-Disposable Protective Suits, PP



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

Size	PK	Cat. No.	Price
			GBP
L	10	6.282 791	28.71
XL	10	6.282 792	29.07
XXL	10	6.282 793	30.06

Skin Protection Cream
LINDESA® K PROFESSIONAL
with Beeswax and Chamomile



Quickly absorbed. The cream strengthens the defensive functions of the skin, preventing skin damage from external pollution and soothes irritation. Smooths and cleans without leaving a residue.

Capacity	PK	Cat. No.	Price
			GBP
100 ml	10	6.317 296	37.80

Clip hood



- Non-woven fabric
- Soft quality with a double-sheathed cotton elastic band
- Gathered
- Food-safe
- Packaging 10 x 100 pieces

Colour	Size	Diam.	PK	Cat. No.	Price
		mm			GBP
white	medium	520	1000	4.665 805	34.08
blue	medium	520	1000	6.286 653	40.93
white	big	550	1000	7.500 013	45.51

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 resistance.

Supplied in dispenser box containing 100 gloves.

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

Size	PK	Cat. No.	Price
			GBP
XS (5 to 6)	100	9.005 344	10.97
S (6 to 7)	100	9.005 345	10.97
M (7 to 8)	100	9.005 346	10.97
L (8 to 9)	100	9.005 347	10.97
XL (9 to 10)	100	9.005 348	10.97

pH meter
SevenDirect™ SD20



SD20 Stirrer-Kit

The pH meter SD20 is a robust benchtop device for measuring the pH value.

- Large 7" touch screen with intuitive user interface
- Electrode arm EasyPlace™ places the sensor precisely
- Intelligent Sensor Management (ISM®) ensures the correct use of the connected sensor
- Calibration with up to 5 calibration points
- GLP compliant

Scope of supply: pH meter, electrode arm EasyPlace™, protective cover, power supply, get-started-guide

SD20 kit: pH electrode InLab® Expert Pro-ISM with robust PEEK shaft and integrated temperature sensor.

Scope of delivery: like pH meter SevenDirect™ SD20 + pH electrode InLab® Expert Pro-ISM, buffer pH 4.01, 7.00 and 9.21 or 10.01

SD20 Stirrer kit: EasyMix's magnetic stirrer - homogenises the sample and thus ensures reliable measurement results

Scope of delivery: like pH meter SevenDirect™ SD20-Kit + magnetic stirrer EasyMix™

Specifications

pH range: -2.000 ... 20.000
 Accuracy: ±0.002
 mV range: -2000.0 ... 2000.0 mV
 Temperature range: -30 ... 130 °C
 IP code: IP54

Type	PK	Cat. No.	Price
			GBP
SD20	1	4.684 932	963.00
SD20-Kit	1	4.684 936	1,273.50
SD20 Stirrer-Kit	1	4.684 937	1,521.00

LLG-Universal Indicator strips
"Premium",
in a vial with snap lid



The LLG pH indicator strips offer convenient handling for every laboratory. The snap-on lid attached to the can can be easily opened and closed with one hand.

Range	Package contents	PK	Cat. No.	Price
				GBP
pH 0 ... 14	100 strips per vial with snap lid	100	9.129 808	12.87

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 with a cable or a wireless module. Data transfer to PC with MultiLab® Importer. It has a Mini USB-B interface and a 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 SET 1: Meter in a carrying case with pH electrode SenTix® 940, buffer 4, 7, KCl 3 mol/l, conductivity standard, batteries, USB cable

Multi 3510 SET 3: Meter in a carrying case with conductivity sensor TetraCon® 925, conductivity standard, batteries, USB cable

Multi 3510 IDS SET 4: 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

Type	Description	PK	Cat. No.	Price
				GBP
Multi 3510	1 channel, meter only	1	6.282 979	910.80
Multi 3510 SET 1	1 channel, SenTix® 940	1	6.282 978	1,170.00
Multi 3510 SET 3	1 channel, TetraCon® 925	1	6.283 710	1,453.50
Multi 3510 SET 4	1 channel, with FDO® 925	1	6.270 393	1,774.80

pH tester Pocket Tester SD10 pH



Pocket Tester with waterproof housing for measuring pH, mV, and temperature.


- Up to 3 calibration points
- With stability indicator, alarm for limits, auto-hold, and auto-off function
- Battery operation (4 x AAA batteries)

Specifications

pH measuring range: 0.00 ... 14.00
 Resolution: 0.01
 Accuracy: ±0.01 (±1 digit)
 mV measuring range: -1000 ... 1000 mV
 Resolution: 1 mV
 Accuracy: ±0.2% FS
 Protection class: IP 67

Type	PK	Cat. No.	Price
			GBP
SD10 pH	1	4.694 724	122.40

Safety Storage Cabinets V-Move 90

 Safe and proper storage

asecos



The space-saving vertical drawer Safety storage cabinets provide an overview and simple access to the stored containers. Safe and approved storage of flammable hazardous substances in working areas.

- Space-saving vertical drawer
- Electronic opening and closing
- Standard serial closing after approx. 60 seconds with visual and acoustic signals for drawer closure
- Lockable with cylinder lock (integration in an existing locking system possible) and locking state indicator (red/green)
- Adjusting aids to compensate for uneven floor
- Integrated air ducts ready for connection (DN 75) to an exhaust system


Scope of supply: Cabinet with 5 x shelves (1-l bottles), 1 x perforated insert, 1 x bottom collecting sump

Specifications

Outer dimensions (W x D x H): 450 x 863 x 1966 mm
 Internal dimensions (W x D x H): 331 x 773 x 1750 mm
 Net weight (corpus): 344 kg

Type	Colour	PK	Cat. No.	Price
V90.196.045	Light grey	1	4.662.147	4,382.10

Laboratory/Medical saddle stool

 - High seating comfort
 - Made in the EU

bimos



Laboratory/Medical saddle stool with castors

- Intuitive 3D seat dynamics
- 3-zone upholstery foam
- Seamless and crease-free upholstery (Imitation leather)
- Polished aluminium base

Type	Seat height adjustment	PK	Cat. No.	Price
Saddle stool	mm 540 - 800	1	6.521.481	252.00

Disposal Container SHARPSAFE®





Nominal capacity	Dimensions (W x D x H)	Print Languages	PK	Cat. No.	Price
1	mm				GBP
4	175 x 175 x 245	DE/UK/FR/IT/ES	1	4.688.125	3.79
7	175 x 175 x 380	DE/UK/FR/IT/ES	1	4.688.126	5.49
9	175 x 175 x 498	FR/NL	1	4.688.127	7.01
9	195 x 292 x 291	FR/NL	1	4.688.129	7.01
13	195 x 292 x 353	FR/NL	1	4.688.128	9.59
24	230 x 450 x 335	UK	1	4.688.130	16.89

Waste disposal cans





Duran® glass.
 Efficient, secure intermediate storage of aggressive laboratory objects. Can be used almost anywhere. Resistant to most acids and alkalis. Very stable. Orange lacquer coating and hazard signs.

Capacity	PK	Cat. No.	Price
Litres			GBP
4	1	9.032.848	510.53
8	1	9.032.850	550.49
15	1	9.032.852	664.87

Bunsen burners with needle valve



DIN 30665. Air regulation.

Type	Height	Weight	PK	Cat. No.	Price
	mm	g			GBP
Natural gas	155	220	1	9.018 361	34.38
Propane gas	155	220	1	9.018 362	34.38

Triangle



Zinc-plated steel wire with pipeclay tubes.

Pipeclay tube Length	Weight	PK	Cat. No.	Price
mm	g			GBP
40	16	1	9.033 740	4.59
50	33	1	9.033 741	4.95
100	58	1	6.085 914	6.82

Tripod stand



Chrome-plated steel. Tripods are meant to be used in conjunction with wire gauze, triangles or a sand bath.

Diam.	Description	PK	Cat. No.	Price
mm				GBP
125	Total height 200 mm	1	6.242 704	15.57

Safety Bunsen Burner, schuett phoenix II



Ideal for safety cabinets

schuett-biotec.de



For sterilising, heating, flame sterilising. For use in every microbiological laboratory or safety cabinets.

- Controlled burning time 1 sec to 120 min (selectable)
- Automatic safety shut-off (selectable)
- Overheating protection/burner control by sensors

Suitable for use with natural gas (central gas) or butane/propane gas (gas cartridges). Integrated stands for tilting right or left. Safety standard acc. to DIN 30665 part 1, DIN-DVGW

Schuett Phoenix II eco: (with LED control lamp and foot-switch) Start flame by foot-switch or button (On/Off). Best suited for use in microbiological safety cabinets. Best price-to-performance ratio.

Schuett Phoenix II standard: (brilliant colour display, selection of native language, sensor and foot-switch) Start/Stop flame by activating sensor 1x or 2x, use foot switch or press button by hand. Continuous display of timer.

Schuett Phoenix II accu: (brilliant colour display, selection of native language, sensor and built-in extra heavy duty power cells) Start/stop flame by activating sensor 1x or 2x, use foot-switch or press button by hand. Continuous display of timer and battery power. Operates for up to 30 hours, intermittent use. Complete with battery charger for 3-hour recharging. Ideal for mobile usage.

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

Type	PK	Cat. No.	Price
			GBP
schuett phoenix II eco*	1	9.018 760	413.10
schuett phoenix II standard*	1	9.018 761	539.10
schuett phoenix II accu	1	9.018 762	620.10

*incl. foot switch, stainless steel

Real-time horizontal gel electrophoresis system runVIEW



Complete sets



- Versatile, self-contained system on the market for real-time horizontal gel electrophoresis
- Includes accessories for standard gel electrophoresis for size fractionation and simplified real-time gel-free DNA band extraction and purification
- Included Double-sided Combs: 2x 1-sample/2-sample preparatory; 2x 4-sample preparatory/16-sample combs; 4x 20- /28-sample multichannel compatible screening. Comb Thickness: 1mm. Extra-thick 2x 4- and 2x 6-sample 3mm preparatory combs are also included.

Specifications

runVIEW Viewing Dock

Blue Light Wavelength: 470 nm
 Voltage/Resolution: 25-150 V/1 V
 Current/Resolution: 300 mA/1 mA
 Power: 30 W
 Timer: 1 to 999 min (with alarm)
 Dimensions (W x D x H): 29.3 x 22.0 x 8.0 cm
 Power supply: 100-240 V, 50/60 Hz

runVIEW Gel System

Gel Dimensions (W X L): 15 x 7, 15 x 10 and 15 x 15 cm
 Unit dimensions (W X D X H): 26.5 x 17.5 x 9.0 cm
 Buffer volume: 500 ml

Description	PK	Cat. No.	Price
			GBP
runVIEW system complete with 15 x 7 cm gel tray, 1 set of casting dams and 8 double-sided combs	1	9.584 764	1,756.95
runVIEW system complete with 15 x 10 cm gel tray, 1 set of casting dams and 8 double-sided combs	1	9.584 765	1,756.95
runVIEW system complete with 15 x 15 cm gel tray, 1 set of casting dams and 8 double-sided combs	1	7.920 135	1,756.95
runVIEW system complete with 15 x 7, 15 x 10 and 15 x 15 cm gel trays, 3 sets of casting dams and 8 double-sided combs	1	9.584 766	1,786.25
runVIEW base station and bluVIEW lid	1	9.584 767	1,533.56
runVIEW gel documentation hood with camera	1	9.584 768	2,376.41
runVIEW base station and blueVIEW lid for MSMINI system	1	6.286 851	481.84
runVIEW base station and blueVIEW lid for MSMIDI system	1	6.286 852	509.65

Semi-Dry Blotters

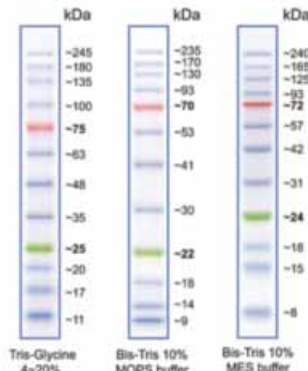


SD10

The devices enable transfer times of just 15 to 30 minutes for DNA, RNA and protein blotting. Suitable for all common blotting methods (Western, Southern, Northern) and gel thicknesses from 0.25 to 10 mm. Cost-effective transfers due to low buffer volume.

Type	Description	PK	Cat. No.	Price
				GBP
SD10	Mini, 10 x 10 cm	1	9.584 753	725.12
SD20	Maxi, 20 x 20 cm	1	6.229 381	1,178.10

BLUE Wide Range, Protein Ladders, Prestained



The marker is covalently bound to a blue colour chromophore to produce a ladder of evenly interspersed bands of uniform intensity.

- Easy identification in gels and blots
- Detectable from 2.5 µl
- 2 years stable at - 20 °C
- Vials of 500 µl

Size	Bands	Reference bands	PK	Cat. No.	Price
					GBP
10 - 245 kDa	12	25, 75 kDa	1	4.661 311	153.49

Square Media Bottles, PET, sterile



For safe storage and transportation of cell culture media. The bottles are manufactured at aseptically sterile production halls and then sent to gamma sterilisation.

- Thick walls and crush-resistant corners
- Square shape
- Embossed volume graduations

Nominal capacity ml	Dimensions (W x D x H) mm	PK	Cat. No.	Price
				GBP
125	53 x 53 x 105	40	9.073 276	101.34
250	59 x 59 x 147	45	9.073 277	124.74
500	77 x 77 x 174	21	9.073 278	69.84
1000	93 x 93 x 214	15	9.073 279	65.52

Nalgene Freezing container
Mr. Frosty, PC



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

For tubes	Diam.	Height	No. of tubes	PK	Cat. No.	Price
ml	mm	mm				GBP
1.0 ... 2.0	117	86	18	1	9.400 945	129.17
3.6	117	151	12	1	9.400 990	132.91
4.5 ... 5.0	117	151	12	1	9.400 991	132.91

LLG-Cryotubes, PP, sterile



With and without a stand-up ring. With a star shape in the screw cap, for an automated capper/decapper. Temperature resistance down to -196 °C. **Not appropriate for operations in liquid nitrogen.** Packed in 2 bags of 50 tubes.

Capacity	Ext. diam.	Height	Thread	PK	Cat. No.	Price
ml	mm	mm				GBP
1.2	12.6	40.2	External	100	9.401 160	35.73
1.2	12.6	40.2	Internal	100	9.401 161	35.73
2.0	12.6	45.6	External	100	9.401 162	35.73
2.0	12.6	48.2	Internal	100	9.401 163	35.91
2.0	12.6	44.5	External*	100	9.401 164	35.73
2.0	12.6	47.0	Internal*	100	9.401 165	35.73
5.0	12.6	87.6	External	100	9.401 166	35.73
5.0	12.6	89.2	Internal*	100	9.401 167	35.73
5.0	12.6	90.3	Internal	100	9.401 168	35.73

* without stand ring

LLG-Pipette controller easy



Ergonomic and precise



The LLG-Pipette controller easily 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

Description	Plug type	PK	Cat. No.	Price
				GBP
LLG-Pipette controller easy	EU	1	6.263 683	230.13
LLG-Pipette controller easy	UK	1	6.263 684	253.08

LLG-Serological pipettes, PS, sterile



Serological pipettes from LLG are ideally suited for sterile serological and cell culture applications.

- Also available as short pipettes (5 ml, 10 ml and 25 ml) or wide-mouth pipettes (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 ring mark for easy volume identification
- Single-packed in easy-to-open plastic/paper packaging

Volume	Grad.	Colour code	Negative graduations	PK	Cat. No.	Price
ml	ml					GBP
1	1/100	yellow	0.3	500	9.380 440	64.71
2	1/50	green	0.6	500	9.380 441	74.97
5	1/10	blue	3	200	7.930 401	42.21
10	1/10	orange	3	200	6.268 240	59.22
10	1/10	orange*	3	200	9.380 442	49.05
25	2/10	red	8	150	7.930 403	63.99
50	5/10	purple	10	100	9.380 443	64.62
5	1/10	blue**	3	200	6.265 881	73.08
10	2/10	orange**	10	150	6.265 882	73.08
25	5/10	red**	9	100	6.265 883	65.97

* wide mouth, **short form

High-performance Greenough Stereo Microscope with LED, SMZ-171 Serie

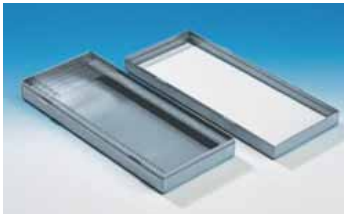
Versatile Stereo microscope for a wide range of biological and material science applications.

- Observation Tube Binocular - /Phototube 45°, 360° rotating, F.N. 23
- Widefield adjustable eyepieces WF10X/23 mm, incl. eyecups
- 6.7:1 Zoom ratio, WD=110 mm
- Objective magnification range: 0.75X-5X
- Main supply 100 V-240 V (CE)
- Black/White and frosted glass stage plates, and dust cover



Type	Description	PK	Cat. No.	Price
				GBP
SMZ-171-BLED	Binocular	1	6.264 087	1,160.10
SMZ-171-TLED	Trinocular	1	7.671 016	1,228.50

Microscope slide boxes, PS



Kartell

High impact. For 76 x 26 mm slides. Numbered slots in a base. Index card in a lid.

To hold microscope slides	Dimensions (W x D x H) mm	PK	Cat. No.	Price
				GBP
25	83 x 98 x 38	1	9.161 380	15.27
50	97 x 230 x 35	1	9.161 381	22.80
100	180 x 230 x 35	1	9.161 382	32.95

Slide Mailer, PP



Kartell

For storing or shipping 5 thick or 10 thin slides.

Int. diam. mm	Height mm	PK	Cat. No.	Price
				GBP
40	90	1	9.161 395	6.71

Light Microscopes Educational-Line OBE 12/13

KERN



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

- Monocular (OBE 121, 131): Tube 30° inclined
- Binocular (OBE 122, OBE 132): Tube Butterfly 30° inclined, 360° rotatable
- Trinocular (OBE 124, 134): Tube Butterfly 30° inclined, 360° rotatable
- Widefield Eyepiece: WF 10x/18 mm
- Diopter adjustment at bino- and trinocular Version available (at one eyepiece tube)
- Quadruple nosepiece
- Coaxial pre-and fine focusing
- ABBE 1.25 condenser focussed with aperture diaphragm
- Dimmable 3 W LED illumination
- Storage compartment on the rear side
- USB connection (only as power source)
- Dust Cover, eyepiece rubber caps and manual instruction included
- Achromatic objective

Total dimension (W x D x H): 360 x 150 x 320 mm
 Weight: 4.6 kg
 Power supply: 230 V/50 Hz, external power bank via USB

Type	Description	PK	Cat. No.	Price
				GBP
OBE 121	Monocular, 4x, 10x, 40x	1	4.670 979	441.00
OBE 122	Binocular, 4x, 10x, 40x	1	4.670 980	522.00
OBE 124	Trinocular, 4x, 10x, 40x	1	4.670 981	621.00
OBE 131	Monocular, 4x, 10x, 40x, 100x (oil immersion)	1	4.670 982	486.00
OBE 132	Binocular, 4x, 10x, 40x, 100x (oil immersion)	1	4.670 983	576.00
OBE 134	Trinocular, 4x, 10x, 40x, 100x (oil immersion)	1	4.670 984	684.00

Staining jar, PMP (TPX®), Hellendahl pattern



Kartell

Accepts 16 slides 76 x 26 mm (8 pairs back to back). Transparent, with grooves. Complete with a lid.

Dimensions (W x D x H) mm	PK	Cat. No.	Price
			GBP
58 x 53.5 x 86	1	9.161 350	18.79

LLG-Cuvette rack, PP



Ideal for storing up to 16 cuvettes with a 12.5 mm width. The two-tier arrangement of the cuvette rows ensures clarity.

- Numbered positions
- Autoclavable at 121 °C

Length	Width	Height	PK	Cat. No.	Price
mm	mm	mm			GBP
210	70	35	1	4.682 061	10.89

LLG-Disposable plastic cells, PS

The shape and narrow wall thickness of the cuvettes enable an excellent heat transfer resulting in constant sample temperatures during photometric measurements.



- Cavity sorted
- Glass clear polystyrene (PS)
- Applicable wavelength range 340 nm to 900 nm
- Path length 10 mm
- Overall dimensions 12.5 mm x 12.5 mm x 45 mm
- Styrofoam racks: 100 cuvettes in a styrofoam box with cover



Description	Capacity	Operating range	PK	Cat. No.	Price
	ml	nm			GBP
Macro	4.0	340 to 900	100	9.406 011	9.72
Semi-micro	1.6	340 to 900	100	9.406 012	10.17

Cells W600



Cells made of optical glass or Borosilicate glass 3.3, 21 mm x 40 mm, for instrument Models Fs, PFXi/PFX195, 880, 950 and 995. (Note: PFXi/PFX-195 max. path length 50 mm).

W600/OG/xx for unheated samples (up to 40 °C)
W600/B/xx for heated samples (up to max. 100 °C)

Further versions are available on request.

Type	Path length	Material	PK	Cat. No.	Price
	mm				GBP
W600/OG/10	10	optical glass	1	6.207 120	53.98
W600/OG/33	33	optical glass	1	6.093 322	74.00
W600/OG/50	50	optical glass	1	6.207 119	84.00
W600/OG/100	100	optical glass	1	6.235 055	155.98
W600/OG/5¼"	133.35	optical glass	1	9.947 343	115.96
W600/B/10	10	Borosilicate glass 3.3	1	6.241 927	68.01
W600/B/33	33	Borosilicate glass 3.3	1	6.086 921	95.99
W600/B/5¼"	133.35	Borosilicate glass 3.3	1	9.947 345	149.99

Reflectance Spectrophotometer
TRA 500/TRA 520

- 3,5" TFT Colour Display
- For reflectance measurements
- Flexible usage



Ergonomic and flexible reflection spectrophotometers with customer-specific apertures for the TR 500 and dual apertures for the TR 520 for measuring samples in different industries including food, medicine, coatings and plastics.

- CMOS sensor (256 picture elements, double array)
- Intuitive 3.5 inch TFT colour LCD (capacitive), symbol-based
- External memory with 2000 standards and 20000 samples
- Measurements are easy to read through the angled viewing window
- Integrated cover prevents the effects of extraneous light
- Dual apertures
- Measurement of fluorescent materials with UV on/off
- Extended range of illuminants
- Operation languages: English, French, German, Spanish, Portuguese, Chinese

Scope of supply: Spectrophotometer, complete accessories, sample cover, white background plate, 3 x optical glass cells (10, 20, 30 mm)

Specifications

Light source:

Illuminant:

Repeatability:

Inter instrument agreement:

Dimensions (W x D x H):
Weight:

TRA 500 || TRA 520

combined LED light ||
combined LED light, UV light
D65, A, C, D50, D55, D75, F2, F7, F11 ||
D65, A, C, D50, D55, D75, F1, F2, F3, F4,
F5, F6, F7, F8, F9, F10, F11, F12
MAV/SCI: $\Delta E \leq 0.05$ ||
MAV/SCI: $\Delta E \leq 0.03$
MAV/SCI: $\Delta E \leq 0.2$ ||
MAV/SCI: $\Delta E \leq 0.15$
207 x 170 x 130 mm
1200 g

Type	Aperture	PK	Cat. No.	Price
	mm			GBP
TRA 500	8	1	4.672 168	7,819.10
TRA 520	10/8 + 5/4	1	4.672 167	9,868.78

Standards for Flame photometers



Suitable for calibration, control, IQ/OQ and method validation. Compatible with all Flame Photometry Instruments. Available as single-element analytical standards (in ppm) or Multi-element clinical standards (in mmol/l). NIST traceable. HDPE bottles of 500 ml.

Type	Measuring range	PK	Cat. No.	Price GBP
Barium	1000 ppm	1	4.012 213	107.14
Lithium	1000 ppm	1	4.012 214	107.14
Potassium	1000 ppm	1	6.210 151	97.16
Sodium	1000 ppm	1	6.210 152	107.14
Calcium	1000 ppm	1	6.210 153	107.14
Sodium / Potassium	100 / 100 mmol/L	1	4.012 215	107.14
Sodium / Potassium	120 / 2 mmol/L	1	4.012 216	107.14
Sodium / Potassium	140 / 5 mmol/L	1	4.012 217	107.14
Sodium / Potassium	160 / 8 mmol/L	1	4.012 218	107.14
Sodium / Potassium	160 / 80 mmol/L	1	4.012 219	107.14
Rinse solution	-	1	6.286 180	41.08

Turbidity Standards



Highly accurate turbidity standards composed of suspended microspheres, suitable for Instrument calibration and control of all turbidity meters. Stable, shelf life of 2 years (from Date of Manufacturing). NIST traceable, US EPA approved and tested in compliance with ISO 7027. HDPE bottles of 100 ml.

Two ranges available:

- Ratio range for Ratio Turbidity Measuring instruments (a measure of the scattered light from the sample at a 90° angle from the incident light, plus at additional angles (several detectors))
- Non-Ratio for Non-Ratio Turbidity Measuring instruments will measure the scattered light from the sample at a 90° angle from the incident light (one detector)

Description	Volume	PK	Cat. No.	Price GBP
	ml			
Non Ratio 0.0 NTU	100	1	6.233 961	88.50
Non Ratio 0.1 NTU	100	1	6.075 473	88.50
Non Ratio 20 NTU	100	1	6.233 962	123.78
Non Ratio 200 NTU	100	1	4.012 096	202.15
Non Ratio 800 NTU	100	1	4.012 099	202.15
Ratio 0.0 NTU	100	1	4.012 057	88.50
Ratio 0.1 NTU	100	1	6.233 012	92.91
Ratio 15 NTU	100	1	6.286 185	202.15
Ratio 100 NTU	100	1	4.012 076	202.15

Chemical Oxygen Demand (COD) Standards



These standards are ideal for use as control standards to verify that correct analysis for COD has taken place. Extensive range (10 to 60000 ppm), NIST traceable, 2 years shelf-life. HDPE bottle of 500 ml.

Type	Measuring range mg / l	PK	Cat. No.	Price GBP
COD10	10	1	4.012 235	146.78
COD20	20	1	6.286 181	116.51
COD50	50	1	6.234 998	116.51
COD100	100	1	6.234 999	116.51
COD200	200	1	6.206 516	116.51
COD500	500	1	6.234 552	116.51
COD600	600	1	6.206 517	116.51
COD1000	1000	1	6.232 202	116.51
COD1300	1300	1	6.206 518	116.51
COD1500	1500	1	6.238 379	116.51
COD2000	2000	1	6.286 182	116.51
COD3000	3000	1	6.286 183	287.96
COD5000	5000	1	4.012 236	116.51
COD6000	6000	1	6.286 184	116.51

Colour Standards Platinum-Cobalt (Hazen)



These colour standards can be used to calibrate, control, qualify or validate colour measurement instruments to determine the colour number. These standards are Platinum-Cobalt, Pt-Co, Hazen or APHA colour. All descriptions are interchangeable.

- Covers requirements of ASTM Method D 1209
- In 1 l HDPE bottle

Description	PK	Cat. No.	Price GBP
Pt-Co Hazen 0	1	4.012 117	100.75
Pt-Co Hazen 5	1	6.257 411	100.76
Pt-Co Hazen 10	1	6.235 802	100.75
Pt-Co Hazen 15	1	4.675 390	186.42
Pt-Co Hazen 20	1	6.257 412	186.42
Pt-Co Hazen 25	1	4.012 118	100.75
Pt-Co Hazen 30	1	4.675 391	331.37
Pt-Co Hazen 40	1	4.012 119	179.13

Analytical balances Adventurer® AX



- Fast stabilisation and reliable operation. Guarantees long-lasting weighing performance and accurate, repeatable results
- The touchscreen with a wide reading angle allows access to all applications
- Low space requirement due to two-part, top-mounted draft shield doors
- Features: Two-piece, top-mounted, space-saving draft shield with removable panels (0.1 mg and 0.001 g models). AutoCal™ automatic internal calibration or external calibration. Illuminated level control. Selectable environmental and auto pressure settings. Integrated below-balance weighing hook. Fully covering labour protection cover. Software lock switch

Specifications

Readability: 0.1 mg
 Ø weighing plate: 90 mm
 Power supply: 100...240 V/50/60 Hz

Type	Weighing range g	PK	Cat. No.	Price GBP
AX124	120	1	6.268 193	2,513.16
AX224	220	1	6.268 196	2,616.12
AX324	320	1	6.268 199	2,779.92

LLG-Hexagonal weighing boats, PS, antistatic, white



Biologically inert and resistant to dilute and weak acids, aqueous solutions, alcohols, and bases. Temperature range -10 to 70 °C. Can be used with microwave moisture analysers.

Size	Dimensions mm	PK	Cat. No.	Price GBP
Small	38 x 25 x 9	500	9.900 893	43.34
Medium	64 x 51 x 19	500	9.900 894	59.16
Large	102 x 76 x 22	500	9.900 895	115.79
X-Large	127 x 89 x 31	500	9.900 896	147.89

Precision Balances Adventurer® AX



- Fast stabilization and reliable operation to ensure solid weighing performance and accurate, repeatable results
- The wide viewing angle 4.3" colour touchscreen provides access to all applications
- The 0.01 g models feature large weighing pans
- Communication: RS232, USB Host, USB Device (included). GLP/GMP compliant data output with real-time clock
- Design features: Two-piece, top-mounted, space-saving draft shield with removable panels on 0.1 mg and 0.001 g models. AutoCal™ automatic internal calibration or external calibration. Level assist feature with illuminated level indicator. Selectable environmental and auto-print settings. Integral weigh below hook. Protective full housing in-use cover. Software lock switch

Type	Weighing range g	Readability g	Plate dimensions mm	PK	Cat. No.	Price GBP
AX223	220	0.001	Ø 130	1	6.268 208	1,773.72
AX1502	1520	0.01	175 x 195	1	6.268 218	1,740.96
AX2202/E	2200	0.01	175 x 195	1	6.268 222	1,432.08
AX4202	4200	0.01	175 x 195	1	6.268 223	1,984.32

LLG-Weighing dishes, aluminium



Made from oil-free, lightweight aluminium. With a flanged, crimped wall for rigidity. Finger-tab handle can be etched for identification before weighing.

Ø mm	Height mm	Thickness mm	PK	Cat. No.	Price GBP
43	12	0.3	100	6.238 138	18.06
57	14	0.3	100	6.238 139	24.84
70	16	0.3	100	6.238 140	26.28
101 *	8	0.3	50	6.236 854	15.72

* without Finger-tab handle

Density meter DMA 501



Density meter for samples with difficult properties such as pasty, inhomogeneous, sedimenting, particle-containing, or even aerosol sprays. All relevant concentration tables and formulas for calculating product-specific parameters are installed in the DMA 501.

- Razor-sharp camera image of the measuring cell (U-View™) for viewing the correct sample filling
- Fanless temperature control of the sample
- Complete documentation and traceability of data
- Integrated temperature and humidity sensor for intelligent self-checking
- Integrated pressure sensor for adjustments
- Automatic full-range viscosity correction of the results
- 3-year warranty

Specifications

Density measuring range/Accuracy:	0 ... 3 g/cm ³ /0.001 g/cm ³
Reproducibility standard deviation (acc. to ISO 5725):	0.0004 g/cm ³
Minimal sample volume:	approx. 1 ml
Temperature range/Accuracy:	15 ... 40 °C/0.3 °C
Display:	7 inches, TFT WVGA (800 x 480 Px), PCAP touchscreen
Dimensions (W x D x H):	265 x 375 x 180 mm
Weight:	13.5 kg
Power supply:	100 .. 240 V, 47/63 Hz, 24 V, 3 A

Type	PK	Cat. No.	Price
			GBP
DMA 501	1	6.313 796	4,950.00

Digital Anemometer



For the measurement of wind speed (in m/s, km/h, mph, knots, ft/min), maximum and average wind speed, an indication of temperature (in °C or °F). Useful for the functional check of fume hoods and safety cabinets.

Wind speed range:	0.2 to 30 m/s
Resolution:	0.1 m/s
Accuracy:	±5%
Temperature range:	-10 ... +45 °C (-14 ... + 113 °F)
Power supply:	3V CR2032 (included)

Dimensions (W x D x H) mm	PK	Cat. No.	Price
			GBP
58 x 19 x 104	1	6.264 198	35.10

Flocculation tester ET 730



Designed for efficiency testing of flocculation or precipitation agents.

- Illuminated back panel for glare-free observation of the samples
- Timer feature and digital display
- Height adjustment of the stirring blades during operation
- For beakers with 1000 to 1500 ml volume, tall and low form

Specifications

Speed control:	20, 40, 50, 100, 200 rpm
Timer:	0 ... 30 minutes (continuous)
Power Supply:	100 ... 240 V, 50/60 Hz

Dimensions (l x w x h) mm	PK	Cat. No.	Price
			GBP
250 x 320 x 250	1	9.699 301	1,452.24

Viscometers ViscoQC 100



ViscoQC 100 - L



These viscometers cover the entire viscosity range with three models: L for low viscosity, R for medium viscosity and H for highly viscous samples.

- Magnetic spindle coupling for a quick exchange of spindles
- Automatic spindle recognition Toolmaster™
- Automatic speed search TruMode™ finds the right speed for unknown samples
- Automatic spindle protection detection TruGuard™ for automatic detection of the guard
- 3.5" colour LC display
- Direct print/export



Scope of supply: Viscometer, Toolmaster™, magnetic coupling, 4 spindles (R and H) or 6 spindles (L) out of AISI 316L, tripod, power supply unit, USB-cable, data collection software V-Collect, printed SOP, instructions

Specifications

Temperature range:	15 ... 80 °C
Accuracy:	±1%
Repeatability:	±0.2%
Dimensions (L x W x H):	361 x 281 x 444 mm
Weight:	6.2 kg
Power supply:	100 ... 240 V, 47/63 Hz, 24 V, 3 A

Type	Viscosity range mPas	Max. torque Ncm	PK	Cat. No.	Price
					GBP
ViscoQC 100 - L	15 ... 6000000	0.00673	1	6.313 808	3,672.00
ViscoQC 100 - R	100 ... 40000000	0.07187	1	6.313 809	3,672.00
ViscoQC 100 - H	800 ... 320000000	0.57496	1	6.313 810	3,672.00

LLG-Centrifuge tubes, PP



Polypropylene tubes with excellent thermal, mechanical and chemical stability. With screw closures. Sterile tubes with screwed-on closure. Packed in boxes or bags. With graduations and labelling area.

Centrifugation capacity (Max. RCF): 6000 x g
Height: 120 mm

Description	Capacity	Diam.	PK	Cat. No.	Price
	ml	mm			GBP
aseptic, bulk pack	15	17	50	6.263 886	14.58
big pack	15	17	500	9.316 063	108.36
big pack, bulk pack	50	30	50	4.008 506	17.91

LLG-Microcentrifuge tubes, PP



LLG-Microcentrifuge tubes are ideal for all test throughputs. These centrifuge tubes are very resistant to mechanical strain and highly resistant to temperature fluctuations and chemicals. The tubes have graduation marks for quick and easy volume checks. The ergonomic cap design with a click-lock mechanism ensures a secure seal and makes opening and closing easier. With a frosted labelling area on the housing.

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	Max.	PK	Cat. No.	Price
	ml	rcf			GBP
conical	1.5	25000	500	6.521 309	10.26
round	2.0	25000	500	6.521 310	12.11

Centrifuges Frontier™ Multi Pro FC5714



Allround Centrifuge



Powerful and versatile Universal Centrifuges for almost every laboratory application. The intuitive design of the centrifuges and accessories enables easy access to the parameter settings and quick change between applications.

Please order rotors separately.

Specifications

Max. RCF: 18.624 x g
Max. Speed: 14.000 rpm
Max. Load: 4 x 100 ml
Power consumption: 240 W
Dimensions (W x D x H): 362 x 493 x 330 mm
Weight: 30 kg
Power supply: 230 V, 50/60 Hz

Type	PK	Cat. No.	Price
			GBP
FC5714	1	4.661 524	2,592.00

Fixed angle rotor for Frontier™ Multi Pro FC5714



Description	PK	Cat. No.	Price
			GBP
Fixed angle rotor 12 x 15 ml, RB/FA, ID	1	4.661 550	652.50

ID: Auto rotor identification, RB: Round bottom tubes, FA: Conical bottom tubes



Digital dry bath LLG-uniBLOCKTHERM



Suitable for use in microbiological, histological, clinical, industrial and environmental laboratories. Various types of optional heating blocks are available as accessories for the LLG-uniBLOCKTHERM.

- Digital control with LED display
- For timer and continuous operation
- 1 x block unit
- With overheating protection

Scope of supply: LLG-uniBLOCKTHERM, removal tool, lid

Please order heating blocks separately.

Specifications

Temperature range:	RT ... 120 °C
Temperature uniformity:	±0.5 °C
Temperature accuracy:	±0.5 °C
Timer:	0 ... 99:59:00 min
Block material:	Aluminium
Dimensions (W x D x H):	175 x 290 x 85 mm
Weight:	3 kg
Power supply:	220 ... 240 V, 50/60 Hz
Warranty:	3 years

Type	Plug type	PK	Cat. No.	Price
				GBP
LLG-uniBLOCKTHERM	EU	1	6.263 460	556.47
LLG-uniBLOCKTHERM	UK	1	6.263 461	563.56

Heating blocks for LLG-uniBLOCKTHERM



Dimensions Heating blocks (W x D x H): 95 x 150 x 50 mm

Description	PK	Cat. No.	Price
			GBP
Heating block 54 x 0.2 ml	1	6.263 462	102.02
Heating block 40 x 0.5 ml	1	6.263 463	106.56
Heating block 40 x 1.5 ml	1	6.263 464	102.02
Heating block 40 x 2.0 ml	1	6.263 465	106.56
Heating block 28 x 5/15 ml	1	6.263 466	106.56
Heating block 8 x 50 ml	1	6.263 467	106.56
Heating block for 96/384 Microplate	1	6.263 468	106.56
Heating block for each 18 x 0.2, 0.5 and 1.5/2.0 ml	1	6.263 469	106.56
Heating block with aluminium beads	1	6.263 557	144.72

Mini cooling incubator LLG-uniINCUB 20 cool



- Compact and space-saving
- High temperature stability
- With internal socket



Digital mini incubator with cooling and heating function for cultivation of biological samples in small-volume vessels. With an internal power outlet for positioning small shakers, mixers, or other devices in the inner chamber.

- Good temperature stability of the set temperature (up to 15 °C below ambient temperature)
- 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

Type	Nominal capacity l	Plug type	PK	Cat. No.	Price
					GBP
LLG-uniINCUB 20 cool	22	EU	1	6.263 572	919.08
LLG-uniINCUB 20 cool	22	UK	1	6.263 573	924.93

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



Gripper made of red silicone rubber. Suitable for temperatures from -50 °C 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.

Description	PK	Cat. No.	Price
			GBP
LLG-Heat/Cold hand protector "TempHand"	1	6.322 889	33.21

Tube roller RM 2



Robust tube roller with gentle tilting and rolling movement. Suitable for all common tube sizes, bottles and other cylindrical vessels with a diameter of up to 80 mm.

- Gentle start-up for optimum development of cell cultures.
- Can be used at CO₂ concentrations up to 5%.
- Drip tray and plastic rollers can be removed for easy cleaning

Scope of delivery: basic unit including 6 removable plastic rollers and drip tray

Specifications

Type of movement:	rocking and rolling
Amplitude/angle:	15 mm, 3° fixed
Speed:	5 ... 80 rpm
Max. load:	2 kg
Number of rollers:	6
Timer:	0 ... 99 h 59 min/continuous
Temperature range:	5 ... 45 °C
Max. CO ₂ range:	5%
Max. humidity:	85%, not condensing
Dimensions (W x D x H):	244 x 465 x 115 mm
Roller size (l x Ø):	300 x 32 mm
Weight:	7.3 kg
Power supply:	100 ... 240 V, 50/60 Hz
Protection class:	IP 21

Type	PK	Cat. No.	Price
RM 2	1	4.663 359	2,089.80

Vortexer MSV-3500 4P



Suitable for soft or intensive mixing of reagents in tubes of different sizes (0.2 to 50 ml).

- Two-line LCD shows set and actual values of time and speed
- Timer (0 to 60 min) or continuous operation

- Incl. four easy interchangeable platforms

Scope of supply: Vortexer, 4 attachments for tubes from 0.2 to 50 ml, operating instructions, manual

Specifications

Type of movement:	Orbital/vortex
Orbital diameter:	4 mm
Speed range:	300 ... 3500 rpm
Dimension (W x D x H):	180 x 170 x 145 mm
Power supply:	120 ... 230 V, 50/60 Hz

Type	PK	Cat. No.	Price
MSV-3500 4P	1	7.983 339	622.80

Thermo shaker LLG-uniTHERMIX 1 pro



The LLG-uniTHERMIX 1 pro is ideal for shaking and tempering various tubes or plates (depending on the block used). The high-temperature stability, fast heating rate and excellent mixing results make it perfect for the life science sector. The heating blocks are magnetically attached to the LLG-uniTHERMIX 1 pro and do not need to be screwed in place.

- Easy and quick change of the heating blocks thanks to magnetic attachment
- Temperatures up to 100 °C
- Temperature accuracy of ±0.5 °C (at 20 ... 45 °C)
- Efficient mixing at up to 1500 rpm, depending on the block used
- Up to 9 programmes can be stored
- Automatic block recognition

Blocks must be ordered separately.

Scope of supply: thermal shaker

Specifications

Temperature range	RT + 5 °C ... approx. 100 °C
Temperature control:	±0.5 °C (at 20 ... 45 °C)
Uniformity:	±0.5 °C (at 20 ... 45 °C)
Max. heating rate:	5.5 °C/min
Speed range:	300 ... 1500 rpm
Orbit:	3 mm
Display:	LCD
Programs:	6 stages, 9 programs
Timer:	1 ... 99 hours or continuous
Dimensions (W x D x H):	200 x 235 x 120 mm
Weight:	7.3 kg
Power supply:	220 ... 240 V, 50/60 Hz
Warranty:	3 years

Type	Plug type	PK	Cat. No.	Price
LLG-uniTHERMIX 1 pro	EU	1	6.263 482	1,498.41
LLG-uniTHERMIX 1 pro	UK	1	6.263 483	1,498.50

Heating blocks for LLG-uniTHERMIX 1 pro



For	PK	Cat. No.	Price
24 tubes, 1.5 ml	1	6.263 487	324.90
24 tubes, 2 ml	1	6.263 494	324.90
8 tubes, 15 ml	1	6.263 496	368.37
4 tubes, 50 ml	1	6.263 497	368.37
96/384 microplate	1	6.263 499	324.90



Magnetic stirrer MSL 25 and MSL 50 Digital

Magnetic stirrer with powerful, brushless motor for mixing large quantities. The recessed control panel protects against leaking liquids.

- Clear LCD
- Soft start
- SpeedServo™ technology keeps the speed constant even when viscosity changes
- Programmable auto-reverse function to change the direction of rotation
- Safety lock prevents unintentional changes to settings



MSL 25 Digital




MSL 50 Digital

Specifications	MSL 25 MSL 50
Stirring quantity:	25 l 50 l
Speed range:	40 ... 1500 rpm 20 ... 1000 rpm
Timer:	1 min ... 99 h 59 min
Dimensions (W x D x H):	253 x 269 x 71 mm 354 x 369 x 77 mm
Power supply:	100 ... 240 V, 50 ... 60 Hz

Type	Plug type	PK	Cat. No.	Price
				GBP
MSL 25 Digital	EU	1	6.313 616	513.00
MSL 25 Digital	UK	1	6.522 206	515.14
MSL 50 Digital	EU	1	6.491 202	1,385.10
MSL 50 Digital	UK	1	6.522 969	1,386.90

Multi-position Magnetic stirrer AMI 4, illuminated

 Stirring plates individually controllable



Multi-position magnetic stirrer with illuminated stirring positions for stirring volumes up to 5 l per position. With epoxy-coated metal housing.

- 4 stirring positions, individually adjustable
- Gentle start-up
- Illuminated stirring positions
- Electronic speed control up to 1100 rpm
- Low height

Specifications	
Stirring volume each (H ₂ O):	5 l
Speed (max.):	1100 rpm
Distance between stirring positions:	150 mm
Dimensions (W x D x H):	600 x 270 x 55 mm
Power supply:	100 ... 240 V, 50/60 Hz
Warranty:	3 years

Type	PK	Cat. No.	Price
			GBP
AMI 4	1	4.666 685	932.40

Multi-position magnetic stirrer MULTISTIRRER Digital



With epoxy painted, robust steel housing and stainless steel set-up plate for protection against leaking liquids. Bright LED display for accurate speed monitoring and timer for unattended operation.

- Synchronous speed of all stirring positions
- Adjustable, time-controlled auto-reverse function
- Torque compensation to keep the speed constant in case of viscosity changes
- Also suitable for use with water baths

Specifications	MULTISTIRRER Digital 6 // Digital 15
Max. volume each (H ₂ O):	400 ml // 250 ml
Power rating:	3.6 W // 15.9 W
Speed range:	80 ... 1500 rpm
Number of stirring positions:	6 // 15
Distance between stirring positions:	100 mm // 74 mm
Stirring positions:	Ø 85 mm // Ø 64 mm
Timer:	1 ... 900 min
Auto reverse:	5 ... 900 min
Dimensions (W x D x H):	230 x 370 x 51.5 mm
Power supply:	100 ... 240 V, 50/60 Hz
Warranty:	3 years

Type	PK	Cat. No.	Price
			GBP
MULTISTIRRER Digital 6	1	4.666 681	652.50
MULTISTIRRER Digital 15	1	4.666 682	940.50

Magnetic stirrer TWISTER



- Innovative Design
- Modular System



Set 1



Set 4

Without heating. The TWISTER is a universal and particularly compact mixing device with a magnetic drive, which can be expanded to a multi-position magnetic stirrer with a wide range of applications by connecting up to 30 devices in series. The stirring points can be controlled either separately or simultaneously (leader-follower principle).

- Intuitive and chemically resistant 360° LED glass display for conveying all information without an alphanumeric display
- Integrated beaker detection
- Changing the direction of rotation in definable intervals (reverse function).
- Suitable for operation in incubators up to 40 °C
- Cleaning under the tap is possible

- Set 1 Scope of delivery:** 1 x TWISTER magnetic stirrer, 1 x plug-in power supply unit with adapter, magnetic stirring bar
- Set 2 Scope of delivery:** 2 x magnetic stirrers TWISTER, 1 x plug-in power supply unit with adapter, 2 x magnetic stirring bars
- Set 3 Scope of delivery:** 3 x TWISTER magnetic stirrers, 1 x plug-in power supply unit with adapter, 3 x magnetic stirring bars
- Set 4 Scope of delivery:** 4 x TWISTER magnetic stirrers, 1 x plug-in power supply unit with adapter, 4 x magnetic stirring bars

Specifications

Max. stirred volume per position:	5 l
Speed range:	100 ... 3000 rpm
Permissible ambient temperature:	5 ... 40 °C
Permissible relative humidity:	80%
Material Top plate:	Glass
Dimensions Top plate (W x D):	124 x 124 mm
Dimensions (W x D x H):	135 x 135 x 24 mm
Weight:	0.6 kg
Power supply:	100 ... 240 V, 50/60 Hz
IP code:	IP 66

Type	Stirring capacity	PK	Cat. No.	Price
				GBP
TWISTER Set 1	5	1	4.685 997	393.30
TWISTER Set 2	10	1	4.685 998	734.40
TWISTER Set 3	15	1	4.685 999	1,087.20
TWISTER Set 4	20	1	4.686 000	1,429.20

Rocking shakers Duomax 1030



The Duomax 1030 rocking shakers generate a 2-dimensional tilting movement and are suitable for Petri dishes, culture flasks, Erlenmeyer flasks and all standard vessels.

- With overheating protection that switches the device off in an emergency, important for unattended continuous use
- Infinitely adjustable speeds for all common standard vessels
- With timer function

Specifications

Type of movement:	rocking
Tumbling angle:	5° or 10°
Speed range:	2 ... 50 rpm
Max. Load:	5 kg
Timer:	1 ... 120 min
Permissible ambient temperature:	5 ... 31 °C
Permissible relative moisture:	80%
Platform dimensions (W x D):	290 x 258 mm
Power supply:	230 V, 50/60 Hz
Protection class acc. to DIN EN 60529:	IP 40

Type	Inclination angle	PK	Cat. No.	Price
				GBP
Duomax 1030	5	1	9.839 855	1,671.30
Duomax 1030	10	1	9.839 856	1,660.50

Overhead stirrers OHS Digital

Powerful, robust overhead stirrers with display and electronic speed control. With integrated timer and overload, overtemperature and overcurrent protection.

- Stable torque over the entire speed range with automatic compensation
- Torque indication in the LED display
- Timer
- USB interface for installing software updates

Specifications

Speed range:	30 ... 2000 rpm (OHS 100 Digital: 30 ... 1300 rpm)
Power rating:	190 W
Chuck range:	Ø 1 ... 13 mm
IP code:	IP 54
Power supply:	230 V, 50/60 Hz
Warranty:	3 years



Type	Stirring capacity	max. Viscosity	PK	Cat. No.	Price
					GBP
OHS 20 Digital	25	10000	1	4.666 660	846.90
OHS 40 Digital	25	25000	1	4.666 659	916.20
OHS 60 Digital	40	50000	1	4.666 658	1,045.80
OHS 100 Digital	100	70000	1	4.666 657	1,135.80

LLG-Magnetic stirrer RCT standard 2.0



The next generation of the IKA/LLG-Labware top seller LLG-RCT Standard.

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



- Complete set with PT 1000 and protective cover
- Large display
- Made in Germany

Scope of supply: Magnetic stirrer, temperature probe PT1000, screwdriver, protective cover, C16 mains cable (H11)



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

Type	Plug type	PK	Cat. No.	Price
				GBP
LLG-Magnetic stirrer RCT standard 2.0	EU	1	6.320.400	677.61
LLG-Magnetic stirrer RCT standard 2.0	CH	1	6.320.401	677.61
LLG-Magnetic stirrer RCT standard 2.0	UK	1	6.320.402	677.61

Lab Unlimited

CARL STUART GROUP

A CALIBRE SCIENTIFIC COMPANY

Calibre
SCIENTIFIC

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

PARTNER OF
LLG
Laboratory Supply Solutions