

# INSPIRATIONS

OVER 400 BUDGET STRETCHING OFFERS ON EQUIPMENT AND CONSUMABLES

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Labtech







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# **INSPIRATIONS**



### **Inspired Solutions for Academia**

Save over 60% on an extensive selection of essential equipment and consumables! In this latest edition, you'll find even more unmissable offers from many brands within the Calibre Scientific portfolio.

Make your budget go further with savings on premium brands, cost-effective products, and sustainable solutions. With the help of our supplier partners, we've highlighted in green products with sustainable qualities.

SAVE OVER
60%
Special pricing available until 31st August 2024.

Prices exclude VAT, delivery and installation.

**ORDER BY:** 31st August 2024

Also, look out for the following icons which indicate where we can support your servicing and calibration requirements, and for complementary budget-stretching consumables deals.



Servicing, Calibration & Validation



Save on Scientific Consumables

Please contact your Regional Account Manager to place your order or discuss your requirements, and quote 'INSPIRATIONS24'.



Sample Storage from LVL Technologies

See p68



SciQuip Incubator Shakers

See p15-16



Refrigeration Services and Cold Storage

See p58-68



### SciQuip SciPette Single Channel Mechanical Pipettors

Calibrated in accordance with ISO/DIS 8655. Each pipettor passes a quality control calibration test and is supplied with an individual test certificate (with serial number). Pipettors are fully autoclavable up to 121 °C for total sterilisation and feature an integral tip ejector for access into narrow tubes.

- Lightweight ergonomic design
- Clear volume display
- Pipettor range from 0.1 µl to 10 ml
- Easy to calibrate and maintain
- Complies with ISO9001, 13485 and GLP guidelines
- Designed to avoid repetitive strain

Three year warranty and fully autoclavable!\*



Save over 60%

| Cat. No.     | <b>Product Description</b> | Increments | Quantity | List Price | Promo Price |
|--------------|----------------------------|------------|----------|------------|-------------|
| SP0010-AUTO  | 0.5 – 10 μl                | 0.1 μΙ     | 1        | £136       | £45         |
| SP0020-AUTO  | 2 – 20 µl                  | 0.5 μΙ     | 1        | £136       | £45         |
| SP0200-AUTO  | 20 – 200 μΙ                | 1 µl       | 1        | £136       | £45         |
| SP1000A-AUTO | 100 – 1000 µl              | 5 µl       | 1        | £136       | £45         |

Visit www.sciquip.co.uk for full specifications, other volumes in this range and starter kits. \*Except SP10000 - 2-10 ml; this is only half autoclavable.



Pipettor service checks and calibration available (on- or off-site); please contact your Regional Account Manager or service@sciquip.co.uk for more information.



Special offer on ABDOS Bulk Tips:

**P10137:** 0.1-10 μl, Extended, Natural Tips, £630 for PK120,000

**P10129:** 1-200 μl, Yellow Tips, £605 for PK120,000 **P10174:** 100-1000 μl, Natural Tips, £520 for PK60,000

Other sizes available on request.



Special offer on Medline Scientific Pasteur Pipettes:

200003: 1 ml Pasteur Pipettes, Graduated, Non-Sterile, 40 for PK5,000



### SciPette Titan Pipette Controller

Light and ergonomically designed for ease of use for extended periods of time.

- Economically priced
- Suitable for plastic and glass pipettors between 1 100 ml
- Up to 8 hours of continuous use
- Easy to use one-handed operation

Large LCD

Visit www.sciquip.co.uk for full specifications.

## SciQuip SciPette Plus Single Channel Mechanical Pipettors

The SciPette Plus is a high performing, durable, lightweight pipettor! Simply set your volume and lock with one click, ensuring user confidence and consistent, reliable results.

- Only 75 g our lightest fully autoclavable micropipette
- Ergonomically designed for comfort and low force to help prevent RSIs
- Easy to maintain, service and calibrate
- Filter element to reduce back flow
- Made from the best-in-class material for robustness and resistance against chemical corrosion
- Enhanced UV resistance for higher durability



Only £90!

# Three-year warranty and fully autoclavable!

| Cat. No.      | <b>Product Description</b> | Increments | Quantity | List Price | Promo Price |
|---------------|----------------------------|------------|----------|------------|-------------|
| SP0020-Auto+  | 2 – 20 µl                  | 0.02 μΙ    | 1        | £194       | £90         |
| SP0200-Auto+  | 20 – 200 µl                | 0.2 μΙ     | 1        | £194       | £90         |
| SP1000A-Auto+ | 100 – 1000 μΙ              | 1 µl       | 1        | £194       | £90         |

Visit www.sciquip.co.uk for full specifications and other volumes in this range.



To discuss your calibration requirements, please contact your Regional Account Manager or email us: service@sciquip.co.uk.



Special offer on ABDOS Racked Tips and Refill Tips:

**P10139:** 0.1-10 μl, Racked, Extended, Natural Tips, £705 for PK28,800

**P10140:** 1-200 μl, Racked, Yellow Tips, £665 for PK28,800

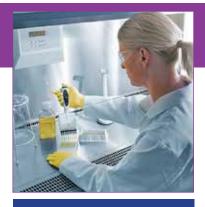
**P10155:** 100-1000 μl, Racked, Natural Tips, £580 for PK19,200

**P10118:** 0.1-10 μl, Refill, Natural Tips, £425 for PK23,040

**P10153:** 1-200 μl, Refill, Yellow Tips, £330 for PK19,200

**P10176:** 100-1000 μl, Refill, Natural Tips, £485 for PK17,280

Other sizes available on request.



Free Return Service

# Sartorius Pipette Trade-In Upgrade your Pipetting and save up to 40%!

Trade in your old pipettes for a new mechanical pipette from Sartorius, and save up to 40%\*. Simply select your old pipette(s) for trade-in, order your trade-in pipette, and then return your old pipette with the **free** return service.

- Sartorius pipettes are the most ergonomic on the market and are made to last, meaning fewer future replacements
- Achieve reliable and accurate pipetting results

Please contact your Regional Account Manager for more information.

\*This offer is valid at list prices in the UK.



### **Sartorius Picus® 2 Electronic Pipettors**

The unmatched ergonomic design of Picus® 2 reduces strain while ensuring reproducible pipetting results. Save time in the lab with easily accessible pipetting modes and customisable programs for popular applications. An intuitive design with advanced options for experienced users make this an ideal choice for everyone in the lab.

- Ergonomic one-handed operation that suits left- and righthanded users
- Adjustment wheel enables extremely fast volume setting and easy menu navigation
- Microwell Plate Tracker keep track of the next well on a 96- or 384-well plate for accurate pipetting
- Large multicolour easy-to-read display shows all information pertaining to your active pipetting step
- Electronic tip ejection effortlessly removes tips to protect your hand from unnecessary strain
- Optiload for perfect tip sealing load tips with an equal constant force to every channel
- Safety features include: Service and calibration reminders;
   two-level password protection; pipette locking; adjustment
   possibility for 1-point, 2-points and 3-point calibration
- Pipetting modes available: Pipetting, Reverse Pipetting, Manual Pipetting, Multi Dispensing, Diluting, Sequential Dispensing, Multi Aspiration, Titrating.





#### Trade in offer: From only £621 when trading in your old pipette!

| Cat. No. | Product Description     | Quantity | List Price | Promo Price |
|----------|-------------------------|----------|------------|-------------|
| 747021   | 0.2-10 µl 1-channel     | 1        | £690       | £621        |
| 747041   | 5-120 µl 1-channel      | 1        | £690       | £621        |
| 747061   | 10-300 µl 1-channel     | 1        | £690       | £621        |
| 747081   | 50-1000 μl 1-channel    | 1        | £690       | £621        |
| 747101   | 100-5000 μl 1-channel   | 1        | £690       | £621        |
| 747111   | 500-10,000 μl 1-channel | 1        | £690       | £621        |
| 747321   | 0.2-10 µl 8-channel     | 1        | £1,090     | £981        |
| 747341   | 5-120 µl 8-channel      | 1        | £1,090     | £981        |
| 747361   | 10-300 µl 8-channel     | 1        | £1,090     | £981        |
| 747391   | 50-1200 μl 8-channel    | 1        | £1,090     | £981        |
| 747421   | 0.2-10 µl 12-channel    | 1        | £1,290     | £1,161      |
| 747441   | 5-120 µl 12-channel     | 1        | £1,290     | £1,161      |
| 747461   | 10-300 µl 12-channel    | 1        | £1,290     | £1,161      |
| 747491   | 50-1200 μl 12-channel   | 1        | £1,290     | £1,161      |

Visit www.elkaylabs.com for full specifications.



To discuss your calibration requirements, please contact your Regional Account Manager or email us: service@sciquip.co.uk.

### Sartorius Proline® Plus Single Channel **Pipettors**

The Proline Plus pipette family offers a wide variety of both fixed and variable volume models as well as a unique combination of novel and patented features.

High quality and light pipetting forces provide a pleasant pipetting experience. The robust design is suitable for a variety of everyday laboratory applications.

- High chemical and UV resistance
- Volume setting by click stops
- Suitable for both left and right-handed use
- Compatible with a wide range of tips
- Compatible with most commonly used lab tubes due to slim tip ejector collar
- Safe-Cone Filter to prevent contamination and damage of
- Only 2-3 parts to disassemble and clean
- Volume range colour-coding for easy pipette and tip selection
- Two-year warranty







### Robust yet light and easy to use.

| Cat. No. | Product Description   | Quantity | List Price | Promo Price |
|----------|-----------------------|----------|------------|-------------|
| 728020   | 0.5-10 µl 1-channel   | 1        | £212       | £169        |
| 728030   | 2-20 µl 1-channel     | 1        | £212       | £169        |
| 728060   | 20-200 μl 1-channel   | 1        | £212       | £169        |
| 728070   | 100-1000 µl 1-channel | 1        | £212       | £169        |

Visit www.elkaylabs.com for full specifications. Other sizes and multi-channel versions also available. Please contact your Regional Account Manager.



Special offer on Elkay Racked, Low Retention Filter Tips:

AER-UPIP-S96: 10 µl Sterile Pipette Tips, £225 for PK4,800

AER-OREF-S96: 20 µl Sterile Pipette Tips, £225 for PK4,800

AER-5REF-S96: 200 µl Sterile Pipette Tips, £225 for PK4,800

AER-STE1-A18: 1000 µl Sterile Pipette Tips, £225 for PK5,000

Other sizes available on request.



### **Elkay Recycling Service**

We offer a recycling service for a range of lab plastics, to help you and your lab be more sustainable.

Contact your Regional Account Manager to find out how we can help.



# Nickel Electro Clifton NE2D Unstirred Water Baths

Reliable and easy-to-use, the NE2D Series unstirred digital water baths are ideal for general use in the lab.

- 3-year warranty
- Temperature range: 5 °C above ambient to 100 °C
- LED display with 0.1 °C resolution
- Temperature setting memory recovery
- Drain outlet fitted to 28 and 56 L models
- Manufactured in the UK for a lower carbon footprint



| Model                | NE2-4D      | NE2-14D     | NE2-28D     | NE2-56D     |
|----------------------|-------------|-------------|-------------|-------------|
| Capacity (L)         | 4           | 14          | 28          | 56          |
| External, WxDxH (mm) | 332x185x290 | 361x332x290 | 538x332x290 | 660x540x290 |
| Cat. No.             | SQ-NE2-4D   | SQ-NE2-14D  | SQ-NE2-28D  | SQ-NE2-56D  |
| List Price           | £777        | £835        | £1,115      | £1,639      |
| Promo Price          | £460        | £495        | £655        | £975        |

Visit www.sciquip.co.uk for full specifications. Other capacities available.



For support with laboratory equipment repairs (on- and off-site), service and calibration, please contact service@technival.co.uk.



### Lab Armor™ Beads

Dry, metal beads designed to replace water in unstirred non-shaking laboratory water baths. Compared to water, they are more resistant to bacterial growth and more convenient to use.

- Reduce the risk of contamination
- Improve energy efficiency
- Easy maintenance no evaporation
- Easy clean no biocides

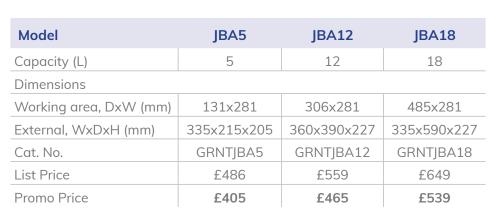
Visit www.sciquip.co.uk for more information.

# Grant Instruments JB Academy Unstirred Heated Water Baths

Ideal for education and those requiring a basic, simple-to-use water bath. Base tray included.

- Unique Set and Forget® technology fast heat-up, reliable temperature control
- Digital temperature setting/display (resolution: 0.5 °C)
- Temperature range: Amb. +5 to +95 °C (stability: ±0.5 °C)
- Single-point user calibration

# Save 17% and get a FREE transparent polypropylene gabled lid.



Visit www.medlinescientific.com for full specifications.

### Grant Instruments, Refrigerated/ Heating Circulating Baths

Suitable for a wide variety of applications in the lab, industry and education, including rotary evaporation. Delivers powerful cooling with improved energy efficiency.

- Eco mode optimises performance and energy usage
- Replace tap water cooling
- Manufactured in UK
- Energy efficient with low GWP\*\* natural R290 refrigerant
- Uses up to 80% less energy than standard compressor models
- Three-year parts and labour warranty

#### Save 20% and get an an extra year's warranty!

| Cat. No.        | Product Description                     | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|-----------------|---|------------------------|------------|-------------|
| GRNTECOCOOL100R | ECOCOOL 100R -20 to 100 °C, 4.5 L       | 240x490x430*           | £3,742     | £2,995      |
| GRNTECOCOOL150R | ECOCOOL 150R<br>Advanced -30 to 150 °C, | 240x490x430*           | £4,321     | £3,459      |

Visit www.medlinescientific.com for full specifications. Supplied assembled as ready to use kits, complete with accessory hosing, clips and connectors as standard. Available in 120 V and 230 V (50/60 Hz). \*630 mm including Optimer controller. \*\*Global warming potential.



Repairs (on and off-site), servicing and calibration available; please contact service@technival.co.uk.







Reduce Water Usage

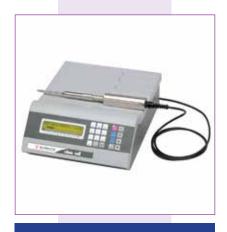


### Sonics and Materials, VCX-130 Ultrasonic Processor

Suitable for small volumes. Programmable with 10-hour timer and pulse mode. Supplied with  $\frac{1}{4}$ " probe, suitable for processing 10 to 50 ml.

- Processing volume: 200 μl to 150 ml\*
- Wattage and energy display
- Variable power output

The micro cup horn accessory (630-0608)\*\* can process small samples in isolation without probe intrusion, removing the risk of cross contamination or aerosolisation. This is especially useful when working with infectious materials.



Three-year Warranty

#### Popular choice for processing small volumes.

| Cat. No.   | Product Description                 | List Price | Promo Price |
|------------|-------------------------------------|------------|-------------|
| SONVCX-130 | VCX-130 Ultrasonic Processor, 130 W | £4,975     | £3,595      |

Visit www.medlinescientific.com for full specifications. \*Depending on probe and application. Accessories must be ordered separately and include alternative probes, support stand, sound abating enclosure. \*\*This must be ordered separately.

### Sonics and Materials, VCX-750 Ultrasonic Processor

Powerful ultrasonic processor suitable for volumes up to 1 L. Programmable with 10-hour timer and pulse mode. Supplied with  $\frac{1}{2}$ " diameter probe suitable for processing 50 to 250 ml. Compatible with a wide range of horns and accessories, the VCX-750 is suitable for almost any industrial and laboratory research applications.

The **cup horn accessory** (630-0731)\* enables the user to process multiple sealed tubes or vessels at once, eliminating cross contamination, sample foaming, overheating and aerosolisation associated with ultrasonic probe use.

- Processing volume: 200 µl to 1 L\*\*
- Wattage and energy display
- Variable power output
- Temperature monitoring
- Energy setpoint



Three-year Warranty

| Cat. No.   | Product Description                 | List Price | Promo Price |
|------------|-------------------------------------|------------|-------------|
| SONVCX-750 | VCX-750 Ultrasonic Processor, 750 W | £7,785     | £5,529      |

Visit www.medlinescientific.com for full specifications. \*Must be ordered separately along with a sound abating enclosure. \*\*Depending on probe and application. Accessories must be ordered separately and include: Alternative probes, support stand, sound abating enclosure, cup horn accessory, temperature probe.



Temperature calibration (on- and off-site) available; please contact service@technival.co.uk to discuss your requirements.

# SciQuip Gyrostir 280H Magnetic Hotplate Stirrer

This entry-level hotplate magnetic stirrer is compact and affordable, whilst offering the same market leading technology and unparalleled performance as our larger hotplate stirrers.

- Heating temperature up to 280 °C
- Stainless steel with ceramic-coated hotplate for high chemical resistance
- Speed range: 100-1500 rpm; capacity: 3 L H<sub>2</sub>O
- Built-in plate temperature probe
- Two-year warranty



| Cat. No.    | Product Description                     | List Price | Promo Price |
|-------------|---|------------|-------------|
| SP2230-280H | Gyrostir 280H Magnetic Hotplate Stirrer | £328       | £170        |

Visit www.sciquip.co.uk for full specifications.

# SciQuip Gyrostir 380H Magnetic Hotplate Stirrer

High resolution LCD displays actual temperature and speed.

- Max. heating temperature is 380 °C
- Brushless DC motor is maintenance free
- Aluminium cover with ceramic work plate
- Speed range: 200-1500 rpm
- Two-year warranty

#### Stir up to 5 L H<sub>2</sub>O



| Cat. No.    | Product Description                     | List Price | Promo Price |
|-------------|---|------------|-------------|
| SP2255-380H | Gyrostir 380H Magnetic Hotplate Stirrer | £438       | £244        |

Visit www.sciquip.co.uk for full specifications. Larger capacity and multi-position models also available.



We provide off-site repairs for a wide variety of benchtop equipment. Please contact service@technival.co.uk for more information.



### **LLG Labware Equipment**

This range from LLG includes a wide selection of high performing equipment for many applications including centrifuges, shakers, mixers, and spectrophotometers. Complementary accessories available.

- 3-year warranty
- Excellent quality
- Cost effective

Contact enquiries@medlinescientific.com to find out more.





# Medline Scientific Controlled Analogue Heating Mantles

Energy-regulated, all-purpose heating mantle allows stable control of the heating element, reducing risk of overheating liquids. Dial controller allows accurate temperature settings and integrated retort rod holder accommodates a range of accessories.

- Element temperature: Up to +450 °C
- Steel case with chemical resistant coating
- Nichrome wire heating element

With integrated retort rod to accommodate accessories.



| Cat. No. | Product Description              | List Price | Promo Price |
|----------|----------------------------------|------------|-------------|
| E1005    | 50 ml Controlled Heating Mantle  | £171.82    | £65         |
| E101N    | 100 ml Controlled Heating Mantle | £174.26    | £85         |
| E102N    | 250 ml Controlled Heating Mantle | £182.25    | £95         |

Visit www.medlinescientific.com for full specifications. Digital, stirred and multi-position models also available.

# SciQuip Digital Dry Block Heater

With its array of thermo-blocks, it's ideal for molecular biology, histology, clinical, environmental and industrial laboratories.

- Extra-large block provides double the sample capacity
- Temperature range: Ambient up to 120 °C
- Continuous or timer operation
- 15 block options covering all common tubes
- Over-temperature protection
- 2-year warranty

All units are supplied with x1 FREE heating block; 15 options available (ranging from 0.2 ml to 50 ml tube blocks and blocks suitable for 94/384 microplate). Please specify at time of ordering.



Get 1 Free Block

| Cat. No. | Product Description        | List Price | Promo Price |
|----------|----------------------------|------------|-------------|
| SP2280   | H Digital Dry Block Heater | £459       | £210        |

Visit www.sciquip.co.uk for full specifications.



Special offer on Medline Scientific Microtubes and Screw Caps: **409220:** 2 ml Skirted Microtube, without Cap, £90 for PK5,000 **409601:** Screw Cap with O Ring, Natural, £75 for PK5,000



Please contact us for information on repairs (off-site) and temperature calibration—both single and multi-point (on- and off-site): service@technival.co.uk.

### SciQuip Thermo Mix

The **SciQuip Thermo Mix** series allows for precise and efficient shaking and mixing, as well as excellent temperature accuracy and uniformity. Ideal for a wide range of applications, such as gene synthesis, gene purification gene and protein denaturation, enzymatic reaction, bacterial growth and more.

- Thermo Mix HM: Ambient to +100 °C
- Thermo Mix HCM: Ambient -25 to +100 °C
- Efficient mixing up to 1500 rpm
- Excellent temperature uniformity
- Programmable controller and TFT screen
- Compatible with various tubes
- Two-year warranty

All units are supplied with x1 FREE heating block; 15 options available (ranging from 0.2 ml to 50 ml tube blocks and blocks suitable for 94/384 microplate). Please specify at time of ordering.



| Get 1 Free I | Block |
|--------------|-------|
|--------------|-------|

| Cat. No. | Product Description                             | List Price | Promo Price |
|----------|---|------------|-------------|
| SP2315   | Thermo Mix HM with Heating and Mixing           | £1,326     | £825        |
| SP2312   | Thermo Mix HCM with Heating, Mixing and Cooling | £2,299     | £1,323      |

Visit www.sciquip.co.uk for full specifications. Accessory attachments must be ordered separately.



Please contact us for information on repairs (off-site) and temperature calibration—both single and multi-point (on- and off-site): service@technival.co.uk.

### SciQuip Dry Vortex Mixers

Fantastic value for money and outstanding quality. Torque sensors keep a constant speed regardless of load, ensuring perfect vortexing within the vessel. A heavily weighted base and sophisticated silicone damping keep noise and vibration to an absolute minimum. The fixed vortex mixer is set to 2500 rpm, perfect for the vast majority of applications.

- Touch or continuous operation
- 4 mm orbit
- Multiple applications with additional accessories, microtubes, test tubes, microplates



| Cat. No.  | Product Description                           | List Price | Promo Price |
|-----------|---|------------|-------------|
| SP2260-FM | Vortex Mixer (fixed speed 2,500 rpm)          | £196       | £85         |
| SP2260-VM | Vortex Mixer (adjustable speed 0 - 2,500 rpm) | £230       | £95         |

Visit www.sciquip.co.uk for full specifications. Accessory attachments must be ordered separately.



We can help with off-site repairs for a wide variety of benchtop equipment. Please contact service@technival.co.uk for more information.



### SciQuip Tube Roller

Gentle yet highly effective agitation for preventing blood coagulation and maintaining liquid-solid suspensions.

- 6 roller bars 5 positions
- Bars roll and rock with 24 mm off-centre cams at the rear
- Wide speed range for all applications: 0-70 rpm
- Continuous operation



| Cat. No. | Product Description | List Price | Promo Price |
|----------|---------------------|------------|-------------|
| SP2270   | Tube Roller, Basic  | £496       | £205        |

Visit www.sciquip.co.uk for full specifications. Pro model also available with LCD display and timer.



Special offer on Medline Scientific Test Tubes and Caps: **300800:** 12x75 mm Polystyrene Test Tube, £390 for PK20,000 **305802:** Cap to fit 12 mm Diameter Tube, £280 for PK20,000



We provide off-site repairs for a wide variety of benchtop equipment. Please contact service@technival.co.uk for more information.

# IKA Ultra-Turrax® T 18 Digital Disperser

Dispersing instrument for volumes from 1 ml to 1500 ml water. Offering a wide speed range of 500 rpm to 25000 rpm, users can work at high circumferential speeds, even with small rotor diameter. Broad choice of stainless steel dispersing elements allows for a wide range of applications and easy cleaning (must be ordered separately).

- Electronic speed control and overload protection
- Error code display
- Quiet operation

#### Digital speed display.



| Cat. No.    | Product Description                                   | List Price | Promo Price |
|-------------|---|------------|-------------|
| 4AJ-9570944 | ULTRA-TURRAX® T 18 Digital Disperser, 230 V, 50/60 Hz | £1,567.41  | £1,450      |

Visit www.medlinescientific.com for full specifications. Required accessories, including dispersing tools, stands, boss head clamp and strap clamp, must be ordered separately.

### SciQuip LED Digital Orbital Shaker

A selection of different platforms are available, making this shaker ideal for use with culture flasks, Petri dishes, Erlenmeyer flasks, bottles and other vessels.

- 20 mm orbit
- Speed range: 40-200 rpm
- Electronic adjustment of speed and timer
- Over speed detection and protection



#### Great quality and value for money.

| Cat. No.      | Product Description                           | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|---------------|---|------------------------|------------|-------------|
| SP2250-LED-03 | LED Digital Orbital Shaker,<br>Max. Load 3 kg | 270x330x110            | £642       | £270        |

Visit www.sciquip.co.uk for full specifications. Supplied with grip map platform as standard. A wide range of attachments are available, and must be ordered separately. Larger models and linear versions also available.

## SciQuip Premium Compact Benchtop Shaking Incubator, Stackable

Features a compact design with small footprint, making it a great choice for laboratories with limited space.

Ideal for any shaking application requiring controlled temperature for microbiology, cell biology, cell culture, tissue culture, biochemistry and environmental engineering.

- Temperature range: +4 to +60 °C
- Speed range: 30-300 rpm
- Orbit: 1-50 mm with stepless adjustment
- Large touchscreen display
- USB interface, and 50 mm access port
- Two-year warranty

#### Accommodates flasks up to 5 L.





| Cat. No. | Product Description                          | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|----------|--|------------------------|------------|-------------|
| SQ-4040  | Premium Compact Benchtop Incubated<br>Shaker | 840x764x625            | £10,675    | £5,550      |

Visit www.sciquip.co.uk for full specifications. Supplied with pre-drilled flask clamp platform as standard and 1 static shelf. Other platforms, clamps and other accessories must be ordered separately.



Special offer on Medline Scientific Polystyrene Universal Containers: **309205FL:** 30 ml Container, Printed Label and Flow Seal Cap, £110 for PK2,000



Special offer on Medline Scientific Bijou Containers: **129202:** 7 ml Container, Sterile, No Label, £150 for PK3,500



We can support with temperature calibration traceable to UKAS and mapping (on-site), plus repairs and servicing; please contact service@technival.co.uk.





### SciQuip Benchtop Incubated Shakers

SciQuip shaking incubators are lab workhorses and provide "set and forget" programmable operating conditions and precise temperature performance for a variety of molecular biology techniques. Audible and visual alarms will alert the operator for set point deviations. The refrigerated model uses CFC-free refrigerant and is Ozone layer friendly.

- Temperature range:
  - MINI and MIDI: Ambient +4 to +70 °C
  - MAXI: +4 to +70 °C
- Speed range: 25-600 rpm
- Orbit: 1-50 mm with stepless adjustment
- Powerful triple eccentric drive and microprocessor control
- User-friendly sealed control panel
- Large, easy-to-read LC display
- Timer from 1 min to 500 hrs, continuous
- Soft start with smooth acceleration
- Auto restart following power interruption
- Two-year warranty

Clear visbility of inner chamber from all angles.





| Cat. No.     | Product Description  | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|--------------|--|------------------------|------------|-------------|
| MINI SQ-4010 | Incu-Shake MINI Incubated Shaker                           | 440×410×390            | £3,202     | £1,597      |
| MIDI SQ-4020 | Incu-Shake MIDI Incubated Shaker                           | 600x580x520            | £3,637     | £2,150      |
| MAXI SQ-4030 | Incu-Shake MAXI Refrigerated Incubated Shaker with Printer | 774x740x610            | £6,634     | £3,395      |

Visit www.sciquip.co.uk for full specifications. Supplied with pre-drilled flask clamp platform as standard and 1 static shelf. Other platforms, clamps and other accessories must be ordered separately.



# PURCHASING CONSORTIUM

# SciQuip - 1st Ranked Supplier to the LUPC Laboratory Equipment Framework

SciQuip is proud to be the highest ranked Supplier to the LUPC Laboratory Equipment Framework Agreement (LAB5061 LU) 2021-2025.

The LUPC framework is accessible to all universities and research institutes, supporting their supplier choices by providing reputable products, fixed commercial terms, detailed technical data and energy information, additional discounts and more.

SciQuip is the first ranked supplier in 8 of the 9 lots awarded, including: Centrifuges, Environmental Control, Measurement, Environmental Storage, Fridges and Freezers, General Equipment, Environmental Monitoring Systems and Laboratory Equipment One Stop Shop.

Plus, SciQuip scored 92.5% for quality, sustainability, ethical trading and the environment during the LUPC tender process, by far the highest ranking.

Find out more on our website sciquip.co.uk.

### SciQuip SciSpin Mini Microfuge

Designed, manufactured and tested to deliver the ultimate service in quick spin-downs.

- Max. capacity: 8 x 1.5/2.2 ml
- Fixed speed: 7000 rpm / 2680 xg
- Supplied with adapters for 0.2 ml and 0.5 ml tubes
- Easy to use with dual start/stop function

Lightweight and convenient.





| Cat. No. | Product Description  | List Price | Promo Price |
|----------|--|------------|-------------|
| SS-6051  | SciSpin Mini Microcentrifuge with Green Lid and Rotors for 8 x 1.5 / 2.2 ml and 16 x PCR Tubes | £242       | £95         |
| SS-6050  | SciSpin Mini Microcentrifuge with Blue Lid and Rotors for 8 x 1.5 / 2.2 ml and 16 x PCR Tubes  | £242       | £95         |

Visit www.sciquip.co.uk for full specifications.



See page 18 for offers on microcentrifuge tubes.

### SciQuip High Speed Microcentrifuge

Ideal for quick spins, micro-filtration of samples, cell separations and many other routine laboratory procedures.

- Max. capacity: 36 x 2 ml
- Max. speed: 10,000 rpm (7490 xg)
- Accommodates 12 x 0.5/1.5/2 ml tubes and 4 x PCR8 strips, as well as 44 x 0.2 ml PCR tubes
- DC Motor Drive: Ensures smooth and quiet operation
- Safe and durable rotor





Lightweight

| Cat. No. | Product Description                   | List Price | Promo Price |
|----------|---------------------------------------|------------|-------------|
| SS-6055  | High Speed Microcentrifuge with Rotor | £380       | £153        |

Visit www.sciquip.co.uk for full specifications.



For information on centrifuge and microcentrifuge repairs, calibration and servicing, please contact service@technival.co.uk.



# Sigma 1-14 and 1-14K Microcentrifuges

A popular choice for microbiology applications such as DNA, RNA and protein isolation, clinical chemistry, and university research laboratories.

**1-14K:** The pre-cooling function allows the centrifuge chamber and accessories to be cooled to a defined temperature. Temperature adjustment:  $-10 \, ^{\circ}\text{C}$  to  $+40 \, ^{\circ}\text{C}$ .

- Max. capacity: 24 x 2 ml
- Max. speed: 14,800 rpm, 16.163 g (1-14);
   15,000 rpm, 16,602 g (1-14K)
- Timer: 10 sec to 99 min: 59 sec / continuous run / short run
- Clear display and 10 programs
- Large number of accessory rotors available
- Two-year warranty

#### Compact and powerful!



10 Programs

| Cat. No. | Product Description   | List Price | Promo Price |
|----------|---|------------|-------------|
| 90616    | Sigma 1-14 Microcentrifuge with 24x1.5/2.2 ml PP<br>Rotor with Sealable Lid                 | £1,795     | £898        |
| 10020-P2 | Sigma 1-14K Refrigerated Microcentrifuge with 24x1.5/2.2 ml Aluminium Rotor and Snap-on Lid | £4,998     | £2,995      |

Visit www.sciquip.co.uk for full specifications.

### Sigma 1-16K Microcentrifuge

Features a fan control capability that allows the user to adjust fan speed to align with the necessary cooling capacity, lowering noise levels by up to 60% and reducing power consumption. Simple operation.

- Max. capacity: 36 x 2 ml
- Maxi. RCF speed >20,600 g
- Guaranteed ≤+4 °C at maximum speed with all rotors
- Timer: 10 sec to 99 min: 59 sec / continuous run / short run
- Clear display and 10 programs
- Compatible with Biosafe certified rotors (12120 and 12136)
- Two-year warranty

#### Low-maintenance stainless steel bowl.



**Eco Mode!** 

| Cat. No. | Product Description  | List Price | Promo Price |
|----------|--|------------|-------------|
| 1004691  | Sigma 1-16K Refrigerated Microcentrifuge Package, includes 24x1.5/2.0 ml Biosafe Rotor (12120) | £6,972     | £4,450      |

Visit www.sciquip.co.uk for full specifications. Other rotors must be ordered separately.



Special offer on Medline Scientific Microtubes:

**900007:** 0.4 ml Microtube, 'Beckman Type', £140 for PK10,000

200400SP: 1.5 ml Microtube, 'Flat Top', £78 for PK10,000

### Sigma 3-16L and 3-16KL Benchtop Centrifuges

Compact, general purpose centrifuge offering high performance and a large number of compatible rotors and accessories for maximum versatility. The patented one-knob controller with illuminated function keys is highly practical. Low noise level.

3-16KL: The pre-cooling function "Rapid Temp" allows the centrifuge chamber and accessories to be cooled to a defined temperature. Temperature adjustment: -10 °C to +40 °C. Achieves 4 °C at maximum speed.

- Max. capacity: 4 x 400 ml
- Max. speed: 15,300 rpm; 21,984 g
- Timer: 10 sec to 99 min: 59 sec / continuous run / short run
- 50 programs
- Low-maintenance stainless steel bowl
- Automatic rotor recognition
- Window in lid for external speed monitoring
- Two-year warranty



Please contact info@sciquip.co.uk for a customised quotation. Quote 'INSPIRATIONS24' to receive your 25% discount off list price.



Special offer on ABDOS Screw Cap Conical Centrifuge Tubes and Petri Dishes: 3088-00P: 15 ml, Conical Centrifuge Tube, Assembled, £450 for PK5,000 2092-00P: 50 ml, Conical Centrifuge Tube, Non Assembled, £520 for PK5,000 P10901: Petri Dish, 90x15.8 mm, 3 Vents, Aseptic, £165 for PK2,400

### Sigma 6-16KS Benchtop Centrifuge

Designed for universal deployment, the Sigma 6-16 series of centrifuges is suitable for a wide variety of routine and research applications. Along with high throughput with fixed-angle and swing-out rotors, they feature impressive RCF values up to 25,419 g. The pre-cooling function and temperature adjustment: -20 °C to +40 °C.

- Maximum capacity of 4 x 800 ml
- Speed range up to 15,000 rpm; 25,419 g
- Automatic rotor recognition
- Window in lid for external speed monitoring
- Various angle and swing-out rotors available
- Pneumatic swing support for easy lid opening
- Low-maintenance stainless steel bowl
- Two-year warranty



**60 Programs** 

Please contact info@sciquip.co.uk for a customised quotation. Quote 'INSPIRATIONS24' to receive your 25% discount off list price.



For information on centrifuge and microcentrifuge repairs, calibration and servicing, please contact service@technival.co.uk.



# KERN OZL-465 and OZL 466 Stereo Zoom Microscopes

The KERN OZL-46 series of stereo zoom microscopes will impress you with their easy handling, flexibility as well as their stability and economical price.

Strong, continuously dimmable LED ring illumination in the objective housing ensures uniform, shadow-free illumination. An LED transmitted light variant is also included.

- Robust and ergonomic stand base ensures safe and comfortable working
- Continuous total magnification of 7x 45x



#### **Economical**

#### Integrated 3 W LED ring illumination.

| Cat. No. | Product Description                                      | List Price | Promo Price |
|----------|--|------------|-------------|
| OZL 465  | Binocular Stereo Zoom Microscope with Ring Illumination  | £710       | £435        |
| OZL 466  | Trinocular Stereo Zoom Microscope with Ring Illumination | £765       | £465        |

Visit www.sciquip.co.uk for full specifications. Supplied with HWF 10×/Ø 20 mm, 3 W LED. Also available with an integrated handle.

# KERN OZP 556 Stereo Zoom Microscope

With an impressive magnification range and robust, ergonomic shape, the OZP 556 enables effortless and simple working over a period of several hours.

- Brilliant resolution provide sharp, high-contrast, colour-true images
- Pillar stand offers flexible and sturdy adjustment for ergonomic working
- Available with strong, continuously adjustable 3 W LED reflected and transmitted light for optimal sample illumination
- Continuous total magnification of 6x 55x

Large working distance and extra-large field of view.



| Cat. No. | Product Description              | List Price | Promo Price |
|----------|----------------------------------|------------|-------------|
| OZP 556  | Binocular Stereo Zoom Microscope | £1,697     | £1,033      |

 $Visit\ www.sciquip.co.uk\ for\ full\ specifications.\ Supplied\ with\ 3\ W\ LED\ Reflected\ and\ Transmitted\ Light.$ 



# LVL Technologies SAFE® Cap 8 Channel HH Semi Automated Handheld/Decapper

Process a full rack of SAFE® 2D barcoded screw capped tubes quickly and efficiently with this 8 channel, semi-automated, handheld capper and decapper.

- Ergonomic design
- 8 individual motors
- Applies or removes SAFE caps on racked tubes

Discover more on www.elkaylabs.com.

### KERN OBL 127 and OBL 137 Compound Microscopes

The OBL series stands out through its infinity optical unit and is therefore ideally suited for all demanding transmitted illumination applications. The robust and ergonomic stand base guarantees safe and comfortable working.

- Simplified Koehler illumination
- 3 W LED illumination

Large mechanical stage holds up to two samples; quick and easy to focus.





| Cat. No. | Product Description            | List Price | Promo Price |
|----------|--------------------------------|------------|-------------|
| OBL 127  | Binocular Compound Microscope  | £1,176     | £715        |
| OBL 137  | Trinocular Compound Microscope | £1,331     | £810        |

Visit www.sciquip.co.uk for full specifications. Supplied with Inf E-Plan 4/10/40/100x; WF10x20; 3 W LED. Version for fluorescence also available.



Please contact us for information on microscope servicing and repairs (on-site): service@technival.co.uk.

# KERN OBN 132 Professional Compound Microscope

An excellent and stable laboratory microscope for all common routine applications for impressive images. Equipped with wide field eyepieces with a large field of view, diopter adjustment on both sides, and infinity corrected plan achromatic objectives.

Professional Koehler illumination unit with adjustable field diaphragm

Extremely large mechanical stage with ergonomic, coaxial coarse and fine focusing knob for rapid and accurate sample adjustment.



| Cat. No. | Product Description                         | List Price | Promo Price |
|----------|---|------------|-------------|
| OBN 132  | Professional Compound Trinocular Microscope | £1,863     | £1,100      |

Visit www.sciquip.co.uk for full specifications. Supplied with infinity corrected achromatic objectives 4/10/20/40/100x; WF 10×20 mm; 20 W Halogen. 3 W LED illumination version also available.



Special offer on Deltalab Wooden Shaft, Cotton Tip Swabs: **300230S:** Sterile Swab, Bulk Packed, £50 for PK10,000 **300250.2:** Sterile Swab, in Transport Tube, £500 for PK5,000



# KERN OCM Compound Inverted Microscope

The OCM range stands out through its design which is ergonomic, robust, and extremely stable.

- Halogen illumination provides optimal bright field illumination
- Trinocular eyepiece tube included as standard

Large working distance ideal for cell culture monitoring and analysis.



| Cat. No. | Product Description                                 | List Price | Promo Price |
|----------|---|------------|-------------|
| OCM 161  | OCM 161-2022e Inverted Transmitted Light Microscope | £4,202     | £2,500      |

Visit www.sciquip.co.uk for full specifications. Supplied with Plan Achromatic Objectives 4/10/20/40x; HWF  $10\times/\varnothing$  22 mm; 30 W Halogen. Version for fluorescence also available.



Please contact us for information on microscope servicing and repairs (on-site): service@technival.co.uk.

# KERN ODC 241 Microscope Tablet Camera

A 2-in-1 solution in digital microscopy as a universal system for trinocular microscopes with C-mount adapter\*. The ODC 241 microscope-tablet-camera consists of a large Android tablet in combination with a 5 MP camera.

- Data storage on a USB stick or SD card
- Connection to a USB mouse
- Transfer of the live image to an external screen using HDMI
- Transfer of stored data to external receivers using WLAN



Tablet with integrated camera for optimal sample monitoring and digital documentation.

| Cat. No. | Product Description            | List Price | Promo Price |
|----------|--------------------------------|------------|-------------|
| ODC 241  | ODC-2 Microscope Tablet Camera | £1,231     | £740        |

Visit www.sciquip.co.uk for full specifications. \*C-mount adapter must be ordered separately.



Special offer on Medline Scientific Inoculating Loops: **302770:** 1  $\mu$ l Inoculating Loop, £100 for PK10,000 **302775:** 10  $\mu$ l Inoculating Loop, £100 for PK10,000

# Equipment Servicing, Calibration and Validation from TechniVal

We specialise in the installation, servicing, repair, on-site calibration and validation of an extensive range of laboratory and production equipment across the pharmaceutical, biotechnology and healthcare sectors.

From ovens, autoclaves, freezers and glasswashers to centrifuges, balances and pipettes, we support a wide range of equipment. We also cover cold rooms, blood bank equipment, plus alarm, water and LN<sub>2</sub> systems.

All our services are undertaken by highly trained engineers. Visit www.technival.co.uk for further information.

In addition to installation and maintenance solutions, we can help you achieve reliable and repeatable results with a full suite of calibration and validation services.

#### Our calibration services are:

- Performed in line with manufacturer recommendations and various regulatory standards
- Executed following standard operating procedure with certification issued

#### Capabilities:

- On-site calibration
- Laboratory and test equipment
- Single point verification
- Multi point calibration

Parameters include temperature, humidity, airflow, speed, pressure and more.

Visit www.technival.co.uk for further information.

#### Our validation services:

All services are performed in line with the following regulatory standards.

- GMP and GLP guidelines (MHRA/FDA)
- Blood Safety and Quality Regulations (No. 50) 2005
- EN285
- ISO 14644
- FDA21 CFR Pt11
- European Blood Directive (2002/98/EC)

Our engineers use only certified test equipment, which is fully calibrated prior to use.

#### Capabilities:

- Bespoke IQ/OQ/PQ/Re-PQ packages
- Pre-approved protocols
- Pre and post test equipment calibration
- Audit approved documentation

For more information, please contact us: 0845 0034247 | info@technival.co.uk | www.technival.co.uk





ISO 9001 Accredited



**Competitive Pricing** 



**Bespoke Packages** 



### **Olympus Microscopes**

We offer a full range of Olympus microscopes suitable for cell culture, clinical applications and research requirements. Please contact your Regional Account Manager if you would like to discuss your application or to request a quotation.

### **CKX53 Inverted Microscope**

Designed from the ground up to be the best microscope for routine cell culture applications. The combination of excellent optical performance and mechanical quality results in a microscope system of outstanding value and comfort for regular use.

Features such as the pre-centred phase contrast and inversion contrast (IVC) enable users to design their own system to match their application with ease.

- Super widefield 10X, FN22 eyepieces
- Integrated phase contrast (iPC) system
- Trinocular with a photo port
- CKX3-SLP slider, pre-centred for all magnification

**Applications:** Ideal for variety of cell culture needs, including live cell observation, cell sampling and handling, image capture and optional fluorescence observation.

Small footprint and UV-resistant coating-Ideal for placing in sterile work benches. Basic system with 4x, 10x, 20x, and 40x objectives starts from around £5,685.



Please contact your Regional Account Manager to request a quotation.

### **IX73 Inverted Microscope**

Designed to suit a variety of research requirements. Part of Olympus' IXplore range which are designed to be adapted as needs change, and to provide accurate, reproducible images and data.

- Modular design that can be upgradeable to develop along with your research
- Can be configured with DIC (differential interference contrast)
- Possible to upgrade to motorised condenser, stage, fluorescence turret or objectives
- Olympus long-working distance objectives support workflows that include plastic-bottom dishes, eliminating the need to subculture in glass-bottom dishes



**Quintuple Nosepiece** 

**Modular Design** 

**Applications:** An efficient system suitable for documentation, routine testing, and other research tasks.

Available as a one-deck or two-deck system with additional modules for expanded functionality, the IX73 is ideal for a changing research environment.



Please contact your Regional Account Manager to request a quotation.

### **BX43 Upright Microscope**

A fully flexible system, ideal for many applications. Modular components, such as observation tubes, nosepieces, stages and objectives, allow easy customisation to suit your application and future flexibility.

- True colour LED illumination optimised for pathology applications
- Light Intensity Manager sets correct light level for each magnification, reducing eye fatigue and improving work efficiency

Applications: The true colour LED illumination is designed specifically for clinical samples such as HandE stained tissue and the UIS2 optics ensure excellent optical performance for flat images.







20,000 hour LED life time with low power consumption for reduced running costs. Prices start from around £8,500.



Please contact your Regional Account Manager to request a quotation.

### **BX53 Upright Microscope**

This modular microscope can be customised for different observation methods, such as phase contrast, DIC and fluorescence. Its long life LED illuminator is equivalent to or better than a 100 W halogen lamp.

X Line objectives available with improved flatness, numerical aperture, and chromatic aberration to deliver clear, high-resolution images with better colour accuracy across the entire spectrum.

- LED illuminator enables viewing of purple, cyan, and pink colours—important in clinical research applications
- High performance, long use life LED lighting, for clinical applications can be configured with up to 24 additional heads off one frame
- For research applications the powerful LED works seamlessly with light hungry contrast techniques like DIC
- Upgrade to motorised components



**Modular Design** 

Applications: Clinical research applications, including phase contrast and fluorescence microscopy.

X Line objectives eliminate violet colour aberration to create clear whites and vivid pinks—Improving contrast and sharpness.



Please contact your Regional Account Manager to request a quotation.



For information on microscope servicing and repairs, please contact: service@technival.co.uk.



### SciQuip Standard Benchtop pH Meter

Features 3-point calibration and automatic temperature compensation.

- 1 to 3 points push-button calibration
- Automatic electrode slope display
- Easy to use with large LCD



On-site calibration available; please contact service@technival.co.uk.



| Cat. No. | Product Description                 | List Price | Promo Price |
|----------|-------------------------------------|------------|-------------|
| SQ-7060  | Standard Benchtop pH/mV/°C/°F Meter | £806       | £375        |

Visit www.sciquip.co.uk for full specifications. Supplied with P11 Glass pH Electrode, Temperature Probe, and pH Buffer Pouches (pH4.01/7.00/10.01).

### SciQuip Precision Benchtop pH Meter

Features 5-point calibration, automatic temperature compensation with an accuracy of 0.002 pH.

- High accuracy
- Large backlit LCD screen
- 1 to 5 points push-button calibration
- Selectable pH buffer standards
- Automatic electrode slope display
- Calibration reminder prompts



| Cat. No. | Product Description                  | List Price | Promo Price |
|----------|--------------------------------------|------------|-------------|
| SQ-7061  | Precision Benchtop pH/mV/°C/°F Meter | £1,208     | £560        |

Visit www.sciquip.co.uk for full specifications. Supplied with P11 Glass pH Electrode, Temperature Probe, and pH Buffer Pouches (pH4.01/7.00/10.01).

### SciQuip Multi Parameter Benchtop pH Meter

Features 5-point calibration, automatic temperature compensation with an accuracy of 0.002 pH.

- High accuracy
- Large backlit LCD screen
- Ion mode with 2-5 calibration points
- 1 to 5 points push-button calibration
- Selectable pH buffer standards



| Cat. No. | Product Description                  | List Price | Promo Price |
|----------|--------------------------------------|------------|-------------|
| SQ-7062  | Precision Benchtop pH/mV/°C/°F Meter | £1,458     | £676        |

Visit www.sciquip.co.uk for full specifications. Supplied with P11 Glass pH Electrode, Temperature Probe, and pH Buffer Pouches (pH4.01/7.00/10.01) and Power Adapter.



See pages 30-32 for pH standards and solutions for electrode maintenance.

### **Mettler Toledo Densito Handheld Density Meter**

Robust, handheld density meters for mobile use. Perfect for rapid and accurate routine measurements in quality assurance.

- Easy handling and user guidance
- Automatic sampling pump and temperature control
- Available measurement scales: API, Baumé, Brix, density, Ethanol, H2SO4, proof (US and IP), Plato, specific gravity, user-defined concentration







| Cat. No.    | Product Description            | List Price | Promo Price |
|-------------|--------------------------------|------------|-------------|
| 4AJ-6291652 | Densito Handheld Density Meter | £2,667.50  | £2,595      |

Visit www.medlinescientific.com for full specifications.

### **EBRO TTX 200 Thermometer**

Thermometer with measuring range of -30 °C to +199.9 °C with fixed probe and large display.

- Easy to use
- Fast measurements, high accuracy
- Robust and impact resistant
- Replaceable CR 2450 battery



| Cat. No.    | Product Description | List Price | Promo Price |
|-------------|---------------------|------------|-------------|
| 4AJ-6291272 | TTX 200 Thermometer | £96        | £85         |

Visit www.medlinescientific.com for full specifications. Supplied with sensor, cable and handle.



On-site calibration available; please contact service@technival.co.uk.



### **Mettler Toledo Electrochemistry Systems**

Mettler Toledo's portfolio includes a wide range of pH, ORP, conductivity, ion and oxygen meters that provide accurate results for both laboratory and field applications.

- Intuitive and easy to use
- Benchtop and portables models
- Large selection of high quality and specialised sensors

Contact your Regional Account Manager to find out more.



# WTW ProfiLine Cond 3310 Portable Conductivity Meter Kit

Comfortable and versatile, with waterproof (IP 67) housing and completely sealed silicone membrane keypad with tactile feedback. Separate battery compartment allows for easy exchange of standard alkaline or rechargeable batteries.

- Backlit graphics display
- Suitable for a wide range of conductivity cells
- GLP-supporting functions
- Automatic and manual temperature compensation
- Measures conductivity, salinity, TDS and specific resistance





| Cat. No. | Product Description                       | List Price | Promo Price |
|----------|---|------------|-------------|
| X-2CA301 | Cond 3310 Portable Conductivity Meter Kit | £1,167.30  | £1,095      |

Visit www.medlinescientific.com for full specifications. Kit includes the meter, conductivity probe TetraCon 325, carry case, and accessories.

### **Biochrom Ultrospec 35c Colorimeter**

Perfect for lab or field-based work and can be used in industry, environmental studies, or remote locations where colorimetric testing is vital. Measures the absorbance and transmission of liquid samples to determine molecular concentration.

Accepts  $10 \times 10 \text{ mm}$  cuvettes and 10,  $12^*$  and 16 mm test tubes.

- 4.3" colour touchscreen for easy workflow
- Robust LED light source
- User-selectable wavelengths of 450, 500, 520, 540, 600 and 640 nm
- Versatile and portable





| Cat. No.   | Product Description       | List Price |
|------------|---------------------------|------------|
| 80-3008-00 | Ultrospec 35c Colorimeter | £1,249     |

Visit www.medlinescientific.com for full specifications. Supplied with power adapter, 1 pack of x8 cuvettes and operating manual. \*Adapters required for 10/12 mm test tubes.



On-site calibration available for electrochemisty meters, please contact: service@technival.co.uk.









# Reagecon Conductivity Standards Certified Reference Materials (CRMs)

Manufactured and certified in accordance with the requirements of ISO 17034. Conductivity CRM range covers 20  $\mu$ S/cm to 10,000  $\mu$ S/cm. Existing range of ISO 17025 Conductivity Standards covers 1.3  $\mu$ S/cm to 500,000  $\mu$ S/cm.

- Directly traceable to the NIST standard reference materials. Products meet the specification requirements of all the major Pharmacopoeias
- Accurate to ±1% μS/cm of target value
- Aqueous based, thereby eliminating any errors attributable to matrix mismatch
- Manufactured to exacting specifications with an extended shelf life and stability
- Low temperature coefficient of variation, reduces measurement errors and enables non-temperature controlled use and is suitable for field work
- Consistency of product—Independent, Traceable, Certified

#### NEW ISO 17034 range covers 20 $\mu$ S/cm to 10,000 $\mu$ S/cm!

| Cat. No.         | Product Description  | PK     | List Price | Promo Price |  |  |
|------------------|--|--------|------------|-------------|--|--|
| Conductivity Sta | Conductivity Standards ±1% at 25 °C NIST Values ISO 17034 CRMs |        |            |             |  |  |
| CRMCSKC20        | 20 μS/cm   | 500 ml | £237.20    | £170        |  |  |
| CRMCSKC50        | 50 μS/cm   | 500 ml | £237.20    | £170        |  |  |
| CRMCSKC84        | 84 μS/cm   | 500 ml | £60.26     | £40         |  |  |
| CRMCSKC100       | 100 μS/cm  | 500 ml | £237.20    | £170        |  |  |
| CRMCSKCS         | 147 μS/cm  | 500 ml | £60.26     | £40         |  |  |
| CRMCSKC200       | 200 μS/cm  | 500 ml | £237.20    | £170        |  |  |
| CRMCSKC500       | 500 μS/cm  | 500 ml | £237.20    | £170        |  |  |
| CRMCSKC1000      | 1000 μS/cm   | 500 ml | £237.20    | £170        |  |  |
| CRMCSKCL         | 1413 μS/cm   | 500 ml | £60.26     | £40         |  |  |
| CRMCSKC2M        | 2000 μS/cm   | 500 ml | £237.20    | £170        |  |  |
| CRMCSKC3M        | 3000 μS/cm   | 500 ml | £237.20    | £170        |  |  |
| CRMCSKC5M        | 5000 μS/cm   | 500 ml | £237.20    | £170        |  |  |
| CRMCSKC10M       | 10,000 μS/cm   | 500 ml | £237.20    | £170        |  |  |









# Reagecon pH Buffer Standards Certified Reference Materials (CRMs)

Manufactured and certified in accordance with the requirements of ISO 17034.

- ISO 17034 accreditation requirements include raw material characterisation; homogeneity and stability studies; assignment of certified values as well as packaging and documentation control
- Directly traceable to the IUPAC pH scale by an unbroken chain of traceability. Reagecon achieves this traceability through a series of comparisons, with the key reference materials being Standard Reference Materials (SRMs) manufactured by NIST
- · Manufactured to exacting specifications with an extended shelf life and stability
- Product lot number and expiry date are available on the product label for user convenience
- Consistency of product—Independent, Traceable, Certified

#### NEW ISO 17034 range covers pH 1.697 to pH 12.00!

| Cat. No.        | Product Description                | PK       | List Price | Promo Price |
|-----------------|------------------------------------|----------|------------|-------------|
| pH Buffer Stand | dards at 20 °C NIST Values ISO 170 | 034 CRMs |            |             |
| CRM103788       | pH 3.788                           | 500 ml   | £39.10     | £25         |
| CRM104001       | pH 4.001                           | 500 ml   | £39.10     | £25         |
| CRM106881       | pH 6.881                           | 500 ml   | £39.10     | £25         |
| CRM107429       | pH 7.429                           | 500 ml   | £39.10     | £25         |
| CRM109225       | pH 9.225                           | 500 ml   | £39.10     | £25         |
| CRM110062       | pH 10.062                          | 500 ml   | £39.10     | £25         |

| Cat. No.  | Product Description | PK     | List Price | Promo Price |  |
|---|---------------------|--------|------------|-------------|--|
| pH Buffer Standards at 25 °C DIN 19266 ISO 17034 CRMs |                     |        |            |             |  |
| CRM101679   | pH 1.679            | 500 ml | £39.10     | £25         |  |
| CRM103776   | pH 3.776            | 500 ml | £39.10     | £25         |  |
| CRM104005   | pH 4.005            | 500 ml | £39.10     | £25         |  |
| CRM10687  | pH 6.865            | 500 ml | £39.10     | £25         |  |
| CRM107413   | pH 7.413            | 500 ml | £39.10     | £25         |  |
| CRM109180   | pH 9.180            | 500 ml | £39.10     | £25         |  |
| CRM110012   | pH 10.012           | 500 ml | £39.10     | £25         |  |









# Reagecon pH Buffer Standards Certified Reference Materials, continued

| Cat. No.         | Product Description                 | PK     | List Price | Promo Price |
|------------------|-------------------------------------|--------|------------|-------------|
| pH Buffer Stando | ards at 25 °C DIN 19267 ISO 17034 C | RMs    |            |             |
| CRM103065        | pH 3.06                             | 500 ml | £52.38     | £35         |
| CRM104655        | pH 4.65                             | 500 ml | £37.42     | £25         |
| CRM106795        | pH 6.79                             | 500 ml | £37.42     | £25         |
| CRM109235        | pH 9.23                             | 500 ml | £37.42     | £25         |

| Cat. No.         | Product Description  | PK          | List Price | Promo Price |  |
|------------------|--|-------------|------------|-------------|--|
| pH Buffer Stando | pH Buffer Standards at 20 °C High Resolution Colour Coded ISO 17034 CRMs |             |            |             |  |
| CRM104000C       | pH 4.000   | 500 ml      | £39.53     | £25         |  |
| CRM107000C       | pH 7.000   | 500 ml      | £39.53     | £25         |  |
| CRM110000C       | pH 10.000  | 500 ml      | £39.53     | £25         |  |
| pH Buffer Stando | ards at 25 °C High Resolution Colour                                     | Coded ISO 2 | 17034 CRMs |             |  |
| CRMH40525C       | pH 4.000   | 500 ml      | £39.53     | £25         |  |
| CRMH70525C       | pH 7.000   | 500 ml      | £39.53     | £25         |  |
| CRMH100525C      | pH 10.000  | 500 ml      | £39.53     | £25         |  |

| Cat. No.   | Product Description | PK     | List Price | Promo Price |
|--|---------------------|--------|------------|-------------|
| pH Buffer Standards at 25 °C Technical Colour Coded ISO 17034 CRMs |                     |        |            |             |
| CRMTB401   | pH 4.01             | 500 ml | £35.01     | £25         |
| CRMTB460   | pH 4.60             | 500 ml | £35.01     | £25         |
| CRMTB700   | pH 7.00             | 500 ml | £35.01     | £25         |
| CRMTB921   | pH 9.21             | 500 ml | £35.01     | £25         |
| CRMTB100   | pH 10.00            | 500 ml | £35.01     | £25         |









### **Reagecon Electrode Care and Maintenance**

In addition to pH Buffer Solutions, Reagecon manufactures a complete range of products designed to clean, refill, regenerate and store your pH electrodes.

| Cat. No. | Product Description                                       | PK     | List Price | Promo Price |
|----------|---|--------|------------|-------------|
| OECS     | Electrode Cleaning Solution Organic                       | 500 ml | £43.14     | £30         |
| ECS      | Electrode Cleaning Solution Pepsin-Hydrochloric Acid      | 500 ml | £55.58     | £40         |
| IECS5    | Electrode Cleaning Solution<br>Thiourea-Hydrochloric Acid | 500 ml | £76.41     | £50         |
| EFSLIET  | Electrode Filling Solution 1M LiCl Dissolved in Ethanol   | 100 ml | £25.68     | £20         |
| EFS3     | Electrode Filling Solution 3M KCl Free from Silver Ion    | 100 ml | £41.69     | £30         |
| EFS4     | Electrode Filling Solution 4M KCl                         | 100 ml | £55.51     | £40         |
| LKCL     | Electrode Filling Solution Saturated Potassium            | 100 ml | £28.12     | £20         |
| ERS      | Electrode Regeneration Solution                           | 100 ml | £30.02     | £20         |
| ESS5     | pH Electrode Storage Solution                             | 500 ml | £62.54     | £45         |



**ISO Compliant** 

# Pettecheck Pipette Service and Calibration

Single or multi-channel, mechanical or electronic, controllers or repeat dispensers—We can service and calibrate all types, makes and models.

- ISO-8655:2022 compliant calibration
- All pipettes are dismantled, cleaned inside and outside, functional tested and leak tested
- Both on-site and off-site services available

To find out more, please contact your Regional Account Manager or email service@sciquip.co.uk.









# Reagecon Sucrose in Water (Brix) Standards Certified Reference Materials (CRMs)

Manufactured and certified in accordance with the requirements of ISO 17034.

Product measurement uncertainty is computated on a batch to batch basis, guaranteed to never exceed  $\pm$  0.15 °Brix. These products are used primarily either as a calibrant or analytical control solution in Refractive Index based methods of Brix value determinations, they can also be used to validate appropriate test methods or qualify a refractometer for use in a regulated industry.

- Extended shelf life 20 weeks (manufactured in accordance with ICUMSA guidelines)
- Can be used with any brand of refractometer
- Presented in a convenient high quality dropper bottle

#### NEW ISO 17034 range covers 1-60% mass/mass!

| Cat. No.      | Product Description       | PK    | List Price | Promo Price |
|---------------|---------------------------|-------|------------|-------------|
| Sucrose in Wa | ter (Brix) ISO 17034 CRMs |       |            |             |
| BS05          | 5%                        | 15 ml | £80.81     | £60         |
| BS07          | 7%                        | 15 ml | £80.81     | £60         |
| BS10          | 10%                       | 15 ml | £80.81     | £60         |
| BS112         | 11.2%                     | 15 ml | £80.81     | £60         |
| BS115         | 11.5%                     | 15 ml | £80.81     | £60         |
| BS12          | 12%                       | 15 ml | £80.81     | £60         |
| BS125         | 12.5%                     | 15 ml | £80.81     | £60         |
| BS15          | 15%                       | 15 ml | £80.81     | £60         |
| BS20          | 20%                       | 15 ml | £80.81     | £60         |
| BS25          | 25%                       | 15 ml | £80.81     | £60         |
| BS30          | 30%                       | 15 ml | £80.81     | £60         |
| BS35          | 35%                       | 15 ml | £80.81     | £60         |
| BS40          | 40%                       | 15 ml | £80.81     | £60         |
| BS45          | 45%                       | 15 ml | £80.81     | £60         |
| BS50          | 50%                       | 15 ml | £80.81     | £60         |
| BS55          | 55%                       | 15 ml | £80.81     | £60         |
| BS60          | 60%                       | 15 ml | £80.81     | £60         |









# **Reagecon Refractive Index Standards**

Manufactured and certified in accordance with the requirements of ISO 17034.

These Refractive Index Standards (Stabilised Sucrose) represent excellent value for users that are not required to follow ICUMSA Guidelines. These products are used either as a calibrant or analytical control material for use in Refractive Index based methods for Refractive Index determination.

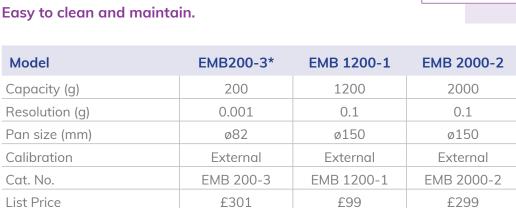
- Extended shelf life One year
- High accuracy ± 0.00014 nD units Refractive Index Stabilised Sucrose
- Can be used with any brand of refractometer
- Presented in a convenient high quality dropper bottle

| Cat. No.         | Product Description | PK    | List Price | Promo Price |
|------------------|---------------------|-------|------------|-------------|
| Refractive Index | Standard at 20 °C   |       |            |             |
| RIBS00S          | 1.33299 nD units    | 15 ml | £130.76    | £100        |
| RIBS05S          | 1.34026 nD units    | 15 ml | £130.76    | £100        |
| RIBS07S          | 1.34325 nD units    | 15 ml | £130.76    | £100        |
| RIBS10S          | 1.34782 nD units    | 15 ml | £130.76    | £100        |
| RIBS112S         | 1.34968 nD units    | 15 ml | £70.69     | £55         |
| RIBS115S         | 1.35015 nD units    | 15 ml | £186.98    | £145        |
| RIBS12S          | 1.35093 nD units    | 15 ml | £70.69     | £55         |
| RIBS125S         | 1.35171 nD units    | 15 ml | £70.69     | £55         |
| RIBS20S          | 1.36384 nD units    | 15 ml | £130.76    | £100        |
| RIBS25S          | 1.37233 nD units    | 15 ml | £135.97    | £100        |
| RIBS13810S       | 1.3810 nD units     | 15 ml | £216.88    | £160        |
| RIBS30S          | 1.38115 nD units    | 15 ml | £130.76    | £100        |
| RIBS13828S       | 1.3828 nD units     | 15 ml | £216.88    | £160        |
| RIBS13850S       | 1.3850 nD units     | 15 ml | £216.88    | £160        |
| RIBS35S          | 1.39032 nD units    | 15 ml | £103.22    | £80         |
| RIBS40S          | 1.39986 nD units    | 15 ml | £69.99     | £50         |
| RIBS45S          | 1.40978 nD units    | 15 ml | £130.76    | £100        |
| RIBS50S          | 1.42009 nD units    | 15 ml | £70.69     | £55         |
| RIBS55S          | 1.4308 nD units     | 15 ml | £130.76    | £100        |
| RIBS60S          | 1.44193 nD units    | 15 ml | £130.76    | £100        |

### **KERN EMB Precision Standard Balances**

Entry-level laboratory balance with tremendous weighing performance.

- Simple and convenient 2-key operation
- Tare function facilitates formulation work
- Particularly flat design
- Ready for use: Batteries included
- Hook for underfloor weighing standard



Visit www.sciquip.co.uk for full specifications. \*Supplied with small plastic draught shield. Other models in range: 100 g to 5200 g capacities available. Available as KERN EMB 500-1BE Black Edition.

£55

£170

### **KERN EMS Basic Precision Balances**

Entry-level model in the low-cost range with large weighing plate.

Particularly flat design

Promo Price

- Especially suitable for use in schools and universities, for example for biology, chemistry and physics
- Ergonomically optimised keypad with large keys and a high-contrast LCD

### Shock proof weighing plate.



£165

| Model          | EMS 300-3* | EMS 3000-2  | EMS 12K0.1  |
|----------------|------------|-------------|-------------|
| Capacity (g)   | 300        | 3000        | 12000       |
| Resolution (g) | 0.001      | 0.01        | 0.1         |
| Pan size (mm)  | ø105       | W×D 175×190 | W×D 175×190 |
| Calibration    | External   | External    | External    |
| Cat. No.       | EMS 300-3  | EMS 3000-2  | EMS 12K0.1  |
| List Price     | £371       | £348        | £299        |
| Promo Price    | £210       | £182        | £162        |

Visit www.sciquip.co.uk for full specifications. \*Supplied with small draught shield. Other models in range; please enquire for more information.



On-site servicing, calibration and repairs available; please contact service@technival.co.uk.





#### **KERN PCB Precision Balances**

The standard in the laboratory, ideal for a wide range of applications for Industry 4.0.

- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- With the recipe function, you can weigh the different ingredients of a mixture. As a check, you can also call up the total weight of all the ingredients
- Plus/minus weighing procedures

Freely programmable weighing unit.



Save up to 45%

| Model          | PCB 200-3* | PCB 3000-2  | PCB 6000-1  |
|----------------|------------|-------------|-------------|
| Capacity (g)   | 300        | 3600        | 6000        |
| Resolution (g) | 0.001      | 0.01        | 0.1         |
| Pan size (mm)  | ø82        | W×D 175×190 | W×D 175×190 |
| Calibration    | External   | External    | External    |
| Cat. No.       | PCB 200-3  | PCB 3000-2  | PCB 6000-1  |
| List Price     | £394       | £405        | £348        |
| Promo Price    | £235       | £240        | £192        |

Visit www.sciquip.co.uk for full specifications. \*Supplied with small plastic draught shield.

A variety of interface adapters are available. Other models in range; please enquire for more information.

### **KERN EWJ Precision Balances**

High-quality precision balance with bargraph display to show how much of weighing range is still available.

Automatic internal adjustment, time-controlled every 2 h, guarantees high degree of accuracy and makes the balance independent of its location.

- Easy to use: All primary functions have their own key on the keypad
- USB and RS232 interfaces

#### Large backlit LCD display.



| Model          | EWJ 300-3* | EWJ 6000-1M** |
|----------------|------------|---------------|
| Capacity (g)   | 300        | 6000          |
| Resolution (g) | 0.001      | 0.1           |
| Pan size (mm)  | ø80        | W×D 175×190   |
| Calibration    | Internal   | Internal      |
| Cat. No.       | EWJ 300-3  | EWJ 6000-1M   |
| List Price     | £695       | £567          |
| Promo Price    | £410       | £332          |

Visit www.sciquip.co.uk for full specifications. EC type approval available. \*Supplied with small glass draught shield. Version with 3 sliding doors also available. \*\*Cost effective version available without data interfaces. Other models in range; please enquire for more information.

### **KERN ADB Analytical Balances**

Cost effective analytical balance with external calibration and RS232 interface. Large glass draught shield with 3 sliding doors.

Adjusting program CAL for quick setting of the balance accuracy using an external test weight.

- Optimised price performance ratio, ideal for laboratories, universities and schools
- The wired display device can be adjusted flexibly to suit the ergonomic requirements of the user or the workplace
- Keypad designed for left- and right-handed users
- Large backlit LCD screen, digit height 19.6 mm
- RS232 interface

### Simple 6-key operation.

| Model           | ADB 100-4 | ADB 200-4 |
|-----------------|-----------|-----------|
| Capacity (g)    | 120       | 220       |
| Resolution (mg) | 0.1       | 0.1       |
| Pan size (mm)   | ø90       | ø90       |
| Calibration     | External  | External  |
| Cat. No.        | ADB 100-4 | ADB 200-4 |
| List Price      | £965      | £1,140    |
| Promo Price     | £595      | £680      |

Visit www.sciquip.co.uk for full specifications. All models supplied with glass draught shield. Optional ioniser available.



Save up to £461!





On-site servicing, calibration and repairs available; please contact service@technival.co.uk.



**Triple Door Models** 

### Caron LED Plant Growth Chambers

Model the natural world in any lab with the Caron LED Plant Growth Chambers, offered in a range of chamber sizes, heights and light intensities to suit your requirements. GBrite™ LED technology delivers effective and reliable performance with low energy consumption and heat production.

- Easy to use and maintain
- gBrite™ LED technology Choose from full-range white or optional 4-colour LED elements
- Six different multiple tier configurations available
- Wide range of accessories: humidity control system, digital and analogue outputs for remote monitoring, and more

Please contact us to discuss your application: enquiries@medlinescientific.com.



## **KERN ABP Analytical Balances**

Premium analytical balance with the latest Single-Cell Generation for extremely rapid, stable weighing results.

Extremely fast ionization process, thanks to the latest generation of KERN ionization technology to neutralise electrostatic charge.

Automatic internal adjustment in the case of a change in temperature  $\geq 1$  °C or time controlled every 4 h.

- Navigation pad for super quick navigating through the menus
- Luminescent OLED display, USB and RS232 interfaces
- Permissible ambient temperature 10 °C/30 °C

Highest level of precision with large weighing ranges.



38% Off!

| Model           | ABP 100-5M | ABP 200-5M | ABP 300-4M | ABP 100-5DM |
|-----------------|------------|------------|------------|-------------|
| Capacity (g)    | 135        | 220        | 320        | 52/120      |
| Resolution (mg) | 0.01       | 0.01       | 0.1        | 0.01/0.1    |
| Pan size (mm)   | ø91        | ø91        | ø91        | ø91         |
| Calibration     | Internal   | Internal   | Internal   | Internal    |
| Cat. No.        | ABP 100-5M | ABP 200-5M | ABP 300-4M | ABP 100-5DM |
| List Price      | £5,264     | £7,519     | £3,471     | £3,772      |
| Promo Price     | £3,205     | £4,699     | £2,160     | £2,300      |

Visit www.sciquip.co.uk for full specifications. All models supplied with glass draught shield. \*Versions with automatic sliding doors also available.

### **KERN ALJ Analytical Balances**

Analytical balances with a large weighing range, graphics display and user-friendly recipe weighing function. Large glass draught shield with 3 sliding doors. Internal calibration.

Model ALJ 210-5A is a single-range semi-micro balance with high resolution.

- Compact size, practical for small spaces
- Percentage determination: Makes it possible to store a given weight value (100%) and to determine deviations from this target value
- Weighing with tolerance range, ideal for portioning, dispensing, grading
- RS232 interface





| Model           | ALJ 160-4A | ALJ 210-5A | ALJ 310-4A | ALJ 500-4A |
|-----------------|------------|------------|------------|------------|
| Capacity (g)    | 160        | 210        | 310        | 510        |
| Resolution (mg) | 0.1        | 0.01       | 0.1        | 0.1        |
| Pan size (mm)   | ø80        | ø80        | ø80        | ø80        |
| Calibration     | Internal   | Internal   | Internal   | Internal   |
| Cat. No.        | ALJ 160-4A | ALJ 210-5A | ALJ 310-4A | ALJ 500-4A |
| List Price      | £2,031     | £2,603     | £2,025     | £2,858     |
| Promo Price     | £1,145     | £2,520     | £1,115     | £1,669     |

## Caron Products Precision Powder Handling Cabinets

Very small footprint and excellent all-round vision. Incorporates HEPA filtration technology and protects the operator from particles whilst weighing and handling powders.

- Excellent 360° visibility
- Hinged access flap for easy access to interior
- Service access port in rear panel
- Manufactured in UK

Suited for weighing with a precision balance (to 3 decimal places).

Supplied without a PVC base.

| Cat. No.    | Product Description | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|-------------|---------------------|------------------------|------------|-------------|
| BIGFX0603-4 | 600 mm Cabinet      | 820x570x1145           | £4,640     | £3,770      |

Visit www.medlinescientific.com for full specifications. Installation and commissioning not included. Black PVC base tray optionally available.



See pages 35-36 for precision balances

## Caron Products Analytical Powder Handling Cabinets

Incorporates HEPA filtration technology and protects the operator from particles whilst weighing and handling powders.

- Excellent 360° visibility and trapezium access
- Double hinged lockable doors for easy access to interior
- Services access port in each side panel
- Manufactured in UK

Suited for weighing with an analytical balance (to 4 decimal places).

Supplied with black PVC base.



**Low Airflow Alarm** 

| Cat. No.    | Product Description | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|-------------|---------------------|------------------------|------------|-------------|
| BIGXP0804-4 | 800 mm Cabinet      | 820x570x1145           | £7,440     | £6,045      |
| BIGXP1004-4 | 1000 mm Cabinet     | 1020x570x1145          | £8,180     | £6,649      |
| BIGXP1206-4 | 1200 mm Cabinet     | 1220x570x1145          | £9,270     | £7,530      |
| BIGXP1506-4 | 1500 mm Cabinet     | 1520x570x1145          | £9,480     | £7,705      |

Visit www.medlinescientific.com for full specifications. Installation and commissioning not included.



See pages 37-38 for analytical balances



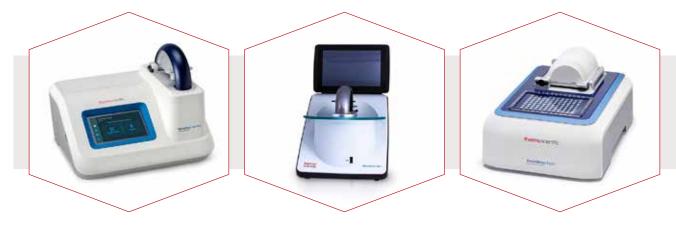
Special offer on Brand™ Cuvettes and Caps:

**759150:** Semi Micro UV Cuvette, 3.0 ml, 220-900 nm, £330 for PK1,000

**759240:** Round Cuvette Cap, Blue, £120 for PK1,000







## **Equipment for Molecular Biology from Labtech**

Since 2002 Labtech has been the UK home of the Thermo Fisher Scientific NanoDrop™ range. Our experienced applications and technical teams have unrivalled knowledge in microvolume sample quantification.

### NanoDrop Lite Plus Microvolume Spectrophotometer

The latest addition to the NanoDrop range, a compact standalone system with integrated touchscreen interface. The durability, data quality and usability you expect from NanoDrop, in a simplified and more affordable version. The ideal choice for routine microvolume nucleic acid and purified protein quantification / purity assessment in teaching, research or industry.

- Familiar 'pipette, measure and wipe' workflow
- Obtain sample concentration, 260:280 and 260:230 ratios in <5 seconds per sample
- Measure up to 1,500 ng/µl dsDNA or 45 mg/ml BSA without the need for dilution
- Save up to 1,000 measurements locally and export to a USB drive

### Accurate and affordable quantification

#### NanoDrop One and OneC Microvolume Spectrophotometers

Copurified contaminants can inhibit enzymes in downstream applications or artificially inflate the reported concentration, resulting in insufficient template being used. The unique Acclaro chemometric technology found in the One/OneC is able to identify and correct for key contaminants, reducing the likelihood of failed reactions and time consuming troubleshooting.

- Broad wavelength range (190-850 nm) for maximum assay flexibility
- Measure up to 550A (27,500 ng/ μl dsDNA or 820 mg/ml BSA) without dilution
- Ergonomic tilt / slide high resolution touchscreen interface no need for a PC
- Auto blank and auto measure by simply lowering the sample arm
- DNA/RNA differentiation without the need for fluorescent dyes
- NanoDrop OneC includes an integrated cuvette reader for greater assay flexibility including kinetics

### A clearer insight into sample quality

#### NanoDrop Eight Microvolume Spectrophotometer

The advanced sample intelligence capabilities of the NanoDrop One, but in a higher throughput, PC controlled, system. Identify and correct for copurified contaminants with DNA/RNA differentiation.

- Quantify 8, microlitre samples in <20 seconds or a whole 96 well plate in <6 minutes
- Ergonomic ambidextrous pipetting and auto blank / measure
- Optional 21 CFR part 11 compliant SciVault software and easy data export into LIMS packages
- Quantify up to 10,000 ng/µl dsDNA or 145 mg/ml lgG samples without the need for dilution

### Intelligent sample analysis, eight samples at a time











## **Byonoy Absorbance 96 Microplate Reader**

The world's most compact absorbance reader provides accurate data and long term durability.

- Compact for easy movement between labs or storage when not in use
- 96 individual detectors allow a full microplate to be read in as little as 5 seconds
- · LED illumination and solid state design (no moving parts) for a long, maintenance-free service life
- Powerful yet intuitive software for PC/mac with comprehensive analysis and exporting capabilities
- Choose 4 wavelengths between 400-1000 nm to fit your application needs

Ultra compact footprint (10 x 15 cm)

| Cat. No.   | Product Description                 | List Price | Promo Price |
|------------|-------------------------------------|------------|-------------|
| ABS-MHA-01 | Byonoy Absorbance Microplate Reader | £3,995     | £3,595      |

Visit www.labtech.co.uk for full specifications.

## labTAQ Curio Thermal Cycler

A durable and high performance single block thermal cycler, at a very attractive price point.

- Compatible with 96 well PCR plates, individual or strip 0.2 ml PCR tubes
- Clear 8 inch colour touchscreen interface and user-friendly software
- Auto-adjusting heated lid, provides optimal sealing pressure and minimises evaporation
- High quality Peltier elements for reproducible results and reliability

#### Gradient feature for easy temperature optimisation

| Cat. No.    | Product Description   | List Price | Promo Price |
|-------------|-----------------------|------------|-------------|
| LQ-CURIO-96 | CURIO™ Thermal Cycler | £3,995     | £2,750      |

Visit www.labtech.co.uk for full specifications.

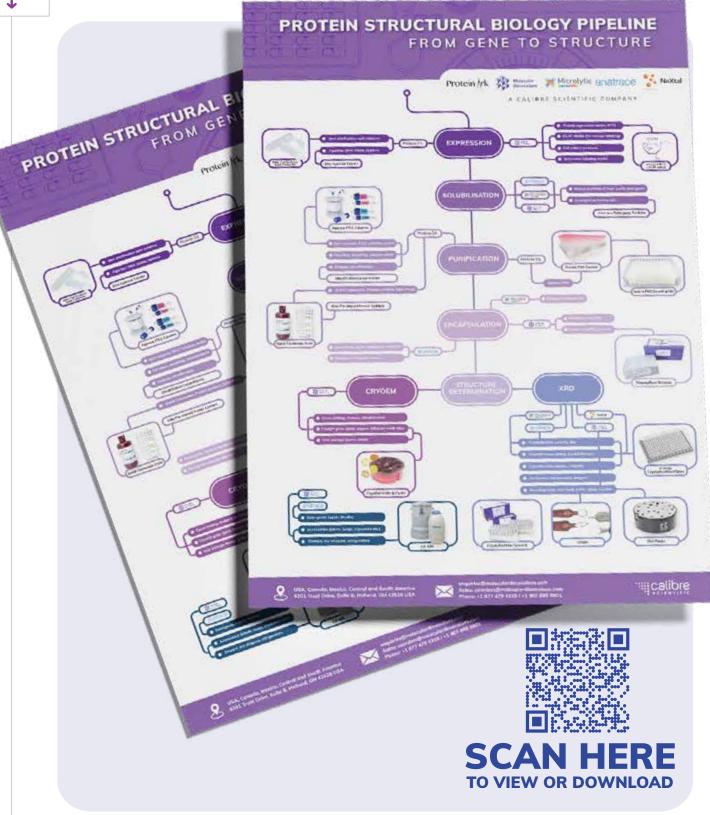
## **Vilber E-Box Gel Documentation System**

Celebrating their 70th anniversary this year, Vilber is the European molecular imaging leader. Their E-BOX is a standalone gel documentation system providing market leading sensitivity and durability.

- Scientific grade 16 bit camera with motorised zoom lens
- Autofocus, auto exposure and automatic lighting control for ease of operation
- Variable angle 12.6 inch high resolution touchscreen and integrated PC
- Robust all metal construction, 2-year warranty and long term parts support
- Please select from UV or Blue LED transilluminator when ordering

| Cat. No.    | Product Description            | List Price | Promo Price |
|-------------|--------------------------------|------------|-------------|
| 1611-2600-1 | E-Box Gel Documentation System | £6,950     | £5,950      |





## **Contact us to discuss your requirements**



enquiries@moleculardimensions.com



+44 (0)114 224 2257

## **Protein Ark IPTG Expression Reagent**

Used to induce protein expression where the gene is under the control of the lac operator.

- Mimic of allolactose
- Ultrapure crystallisation-grade (>99.5% purity)
- An economical solution for ultrapure gene induction

Other volumes available, please enquire\*.



| Cat. No.        | <b>Product Description</b> | Quantity | List Price | Promo Price |
|-----------------|----------------------------|----------|------------|-------------|
| GEN-S-02122-25G | Ultrapure IPTG             | 1 x 25 g | £112       | £78         |

Visit www.proteinark.com for full specifications. \*5 g,  $5 \times 0.2$  ml,  $5 \times 1$  ml,  $100 \times 1$  ml and  $100 \times 0.2$  ml also available.

## **Protein Ark TCEP Reducing Agent**

Powerful, ultrapure and irreversible reducing agent used to cleave disulphide bridges during protein chromatography and SDS-PAGE.

- Economically priced
- Soluble in water, odourless and non-toxic
- Does not reduce metals used in IMAC



| Cat. No.       | Product Description | Quantity   | List Price | Promo Price |
|----------------|---------------------|------------|------------|-------------|
| GEN-TCEP-10    | TCEP, 10 g          | 1 x 10 g   | £130       | £91         |
| GEN-TCEP-10ML  | Liquid TCEP         | 10 x 1 ml  | £95        | £67         |
| GEN-TCEP-100ML | Liquid TCEP         | 100 x 1 ml | £383       | £268        |

Visit www.proteinark.com for full specifications.

### **Protein Ark Additional Biochemicals**

High value and high purity biochemicals from The Protein Company.

- DL-Dithiothreitol reducing agent to cleave disulphide bridges
- L-Rhamnose monohydrate for induction of protein expression in bacteria
- Antibiotics including Kanamycin and Gentamycin for protein expression



| Cat. No.       | Product Description        | Quantity  | List Price | Promo Price  |
|----------------|----------------------------|-----------|------------|--------------|
| edt. 110.      | 1 Todact Description       | quartity  | LISTITICC  | 1 TOING THEC |
| PAL-1199C-25G  | DL-Dithiothreitol, 99%     | 1 x 25 g  | £163.05    | £130         |
| PAL-1712C-50G  | L-Rhamnose monohydrate     | 1 x 50 g  | £36.30     | £29          |
| PAL-7939A-25G  | Gentamicin sulfate         | 1 x 25 g  | £144.90    | £116         |
| PAL-0531A-100G | Kanamycin monosulfate salt | 1 x 100 g | £144.90    | £116         |

Visit www.proteinark.com for full specifications.



## Protein Ark Proteus Mini Clarification Spin Columns

Ideal for HPLC, FPLC, NMR and MS sample preparation and filtration after purification / concentration.

- Clarifies small volumes between 10-650 μl
- Small dead-stop-volume < 5 μl
- Low protein binding PVDF membrane



### Fits all standard microfuges.

| Cat. No.   | Product Description                            | Quantity | List Price | Promo Price |
|------------|--|----------|------------|-------------|
| GEN-MSF500 | Proteus Mini Clarification Spin<br>Column Pack | 100      | £171.92    | £138        |

Visit www.proteinark.com for full specifications. Also available in 30 ml bottles.

## Protein Ark Pre-packed HiFliQ FPLC Columns

Ready to use, high performing and compatible with all FPLC instruments.

- Fast and reliable affinity purification
- Pre-packed with Ni-Advance, Ni-NTA, Protein A and Protein Gresin\*
- High protein recoveries



### For fast and reliable affinity purification.

| Cat. No.         | <b>Product Description</b> | Quantity | List Price | Promo Price |
|------------------|----------------------------|----------|------------|-------------|
| HiFliQ1-Ni-Adv-1 | 1 ml HiFliQ Ni Advance     | 1 x 1 ml | £51.85     | £41         |
| HiFliQ1-Ni-Adv-5 | 1 ml HiFliQ Ni Advance     | 5 x 1 ml | £168       | £127        |
| HiFliQ1-NiNTA-1  | 1 ml HiFliQ Ni-NTA         | 1 x 1 ml | £46.82     | £36         |
| HiFliQ1-NiNTA-5  | 1 ml HiFliQ Ni-NTA         | 5 x 1 ml | £140       | £104        |
| HiFliQ1-PA-1     | 1 ml HiFliQ Protein A      | 1 x 1 ml | £138.25    | £97         |
| HiFliQ1-PA-5     | 1 ml HiFliQ Protein A      | 5 x 1 ml | £383.55    | £268        |
| HiFliQ1-PG-1     | 1 ml HiFliQ Protein G      | 1 x 1 ml | £139.79    | £98         |
| HiFliQ1-PG-5     | 1 ml HiFliQ Protein G      | 5 x 1 ml | £416       | £291        |

Visit www.proteinark.com for full specifications. \*5, 10, 20, and 50 ml columns also available, and a wide variety of resins including: Co-NTA; GST; Heparin; Q IEX and S IEX.

## Protein Ark Fastback Ni Advance Resin

Designed for faster purification of secreted proteins using clarified culture media directly.

- Requires fewer steps than conventional workflow
- Works in your protocol, regardless of sample origin, whether eukaryotic (insect, yeast, HEK293 or CHO) or prokaryotic (E.coli), secreted or intracellular
- Resistant to EDTA (up to 20 mM) and DTT (up to 20 mM)





| Cat. No.           | Product Description       | Quantity  | List Price | Promo Price |
|--------------------|---------------------------|-----------|------------|-------------|
| Fastback-Ni-Adv-25 | Fastback Ni Advance Resin | 1 x 25 ml | £325.52    | £244.00     |

Visit www.proteinark.com for full specifications.

## Protein Ark ProteoSEC Size Exclusion Columns

16/60 and 26/60 Size Exclusion Columns for FPLC systems\*.

- Resin is a co-polymer of Dextrose and agarose for identical Superdex™ S75 and S200 performance
- Packed with 3-70 kDa high resolution preparative grade resin\*\*



| Cat. No.         | Product Description   | Quantity | List Price | Promo Price |
|------------------|---|----------|------------|-------------|
| SEC-D-16/60-3-70 | ProteoSEC Dynamic Size Exclusion<br>Column (16 mm ID; 60 cm length,<br>3-70 kDa HR resin) | 1        | £1,274     | £892        |
| SEC-D-26/60-3-70 | ProteoSEC Dynamic Size Exclusion<br>Column (26 mm ID; 60 cm length,<br>3-70 kDa HR resin) | 1        | £2,040     | £1,482      |

Visit www.proteinark.com for full specifications. \*11/30 size exclusion columns also available. \*\*1-10 kDa, 6-600 kDa and 6-5000 kDa. resins also available.

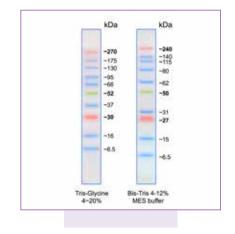


Special offer on ABDOS High Profile Strip Tubes: **P10727:** 0.2 ml Strip Tubes (x8) with Optically Clear Flat Cap, £1550 for PK6,250



## Protein Ark Elite Pre-stained Protein Ladder

- High-intensity, 3-colour MW determination
- Ultra-clear and expanded MW range (6.5-240 kDa)
- Up to 100% electro-transfer efficiency



| Cat. No.     | Product Description              | Quantity    | List Price | Promo Price |
|--------------|----------------------------------|-------------|------------|-------------|
| PAL-EPL-2500 | Elite Pre-stained Protein Ladder | 10 x 2.5 ml | £580       | £406        |

Visit www.proteinark.com for full specifications.

## Protein Ark Quick Coomassie Protein Stain

Rapid protein stain for SDS-PAGE. Quick and easy to use—simply immerse the gel in stain for one hour before storing in deionised water; protein bands appear after minutes.

- Can be used up to 3 times
- Highly sensitive: 5 to 25 ng bands resolved
- Single step procedure

#### Quick and easy to use!



| Cat. No.        | <b>Product Description</b> | Quantity | List Price | Promo Price |
|-----------------|----------------------------|----------|------------|-------------|
| GEN-QC-Stain-1L | Quick Coomassie Stain      | 1 x 1 L  | £128       | £90         |

Visit www.proteinark.com for full specifications. Also available in 30 ml bottles.

### **Protein Ark Western Blot Substrates**

Luminol-based enhanced chemiluminescent substrates which are sensitive and compatible with conducting immunoblots with horseradish peroxidase (HRP)—conjugated secondary antibodies.

**PAL Pico Plus Western Blot Substrate:** Suitable for detection of abundant protein. Economical with good sensitivity.

PAL Femto Plus Western Blot Substrate: Ideal for detecting less abundant proteins—even low femtograms.



| Cat. No.        | Product Description                      | Quantity  | List Price | Promo Price |
|-----------------|--|-----------|------------|-------------|
| ECL-PICO-100ML  | PAL Pico Plus Western Blot<br>Substrate  | 2 x 50 ml | £90        | £72         |
| ECL-FEMTO-100ML | PAL FEMTO Plus Western Blot<br>Substrate | 2 x 50 ml | £250       | £200        |

Visit www.proteinark.com for full specifications.

### **Grant Instruments, PCR Cabinet**

Economical, general purpose PCR UV cabinet for carrying out short-term PCR procedures. Open UV lamp disinfects working area chamber, inactivating DNA/RNA fragments, and switches off automatically on door opening. Built in UV cleaner-recirculator prevents unwanted contamination and protects users from direct UV light during manipulation.

- High intensity UV cleaner 25 m³/hour cleaner-recirculator continuous air flow with 1 cm UV irradiation distance
- UV exposure controlled by 24 h digital timer
- White lamp for local illumination of workplace and optimised visual control during operations
- Supplied ready assembled with 1 x inlet and 1 x internal power socket





| Cat. No.    | Product Description    | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|-------------|------------------------|------------------------|------------|-------------|
| UVT-B-AR UK | Economy UV/PCR Cabinet | 690x585x556            | £2,508     | £2,010      |

Visit www.medlinescientific.com for full specifications.



**Special offer on ABDOS PCR Plates:** 

P10713 Unskirted Standard PCR Plates, 96-well, £805 for PK500 P10722 Semi-skirted Standard PCR Plates, 96-well, £805 for PK500 P10723 Fully-skirted Low Profile PCR Plates, 96-well, £745 for PK2,500

## Grant Instruments General Purpose PCR UV Cabinet

Efficient, general-purpose stainless steel PCR UV cabinet designed for clean operations with DNA samples, providing protection against contamination. Equipped with high efficiency flow-type bacterial UV cleaner-recirculator, providing constant decontamination. UV cleaner-recirculator increases maximum density of UV light, making the unit effective for DNA/RNA inactivation.

- UV surface irradiation via single 25 W 254 nm open UV lamp
- UV protective film on glass panels
- Convenient, easy-to-use digital timer for accurate control of UV exposure
- Irradiated UV light automatic switch-off on door opening
- Front opening with three adjustable positions for ease of access
- Supplied ready assembled with 1 x inlet and 1 x power socket





Visit www.medlinescientific.com for full specifications.





## Grant Instruments Large Capacity PCR UV Cabinet

Large capacity, stainless steel PCR UV cabinet workstation. Additional space allows for equipment and accessories for more comfortable and convenient work in PCR applications. High efficiency flow-type bacterial UV cleaner-recirculator provides constant decontamination and increases maximum density of UV light, making the unit effective for DNA/RNA inactivation.

- Robust construction with large 1.2 m x 0.52 m working area
- Dual 30 W, 254 nm UV lamp for UV surface irradiation
- UV-protective film on glass panels
- Built-in UV cleaner-recirculator
- UV exposure controlled by 24 h digital timer
- Supplied ready assembled with 1 x inlets and 3 x internal power sockets

Large 1.2 m x 0.52 m working area.



| Cat. No.    | Product Description           | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|-------------|-------------------------------|------------------------|------------|-------------|
| UVT-S-AR UK | Large Capacity UV/PCR Cabinet | 1245x585x585           | £4,400     | £3,520      |

Visit www.medlinescientific.com for full specifications.

## Caron Products PCR Workstation, UV Decontaminating

Powerful UV tube lights are combined with carefully located optical reflectors to ensure uniform intensity distribution of the UV radiation throughout the cabinet. Acrylic windows offer exceptionally clear all round vision and do not allow transmission of UV.

- Timed UV exposure from 5-30 mins
- Door sensors switch off UV lamps if door flap is opened
- Door flaps offer excellent access to the cabinet interior
- Side panels include ports for cable access
- 18 W white lights and handy corner shelves

#### **HEPA filtration and UV lamps!**



Save £1,251

| Cat. No.    | Product Description  | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|-------------|--|------------------------|------------|-------------|
| BIGBW0804-4 | PCR Cabinet, Bench Mounted with Pre-Filter and HEPA Filter | 802x549x863            | £6,690     | £5,439      |

Visit www.medlinescientific.com for full specifications. Installation and commissioning not included.

## SciQuip SciPette Aspi-Vac Safety Vacuum Aspiration System

Ideal for the safe removal of hazardous waste such as the removal of media from cell cultures, supernatants from centrifugation or wash solutions from immune-assay well-plates.

- Vacuum power can be set to different levels
- 2 Litre waste collection bottle
- Wide range of adapters
- Two-year warranty

Integrated pump with vacuum control.





| Cat. No. | Product Description              | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|----------|----------------------------------|------------------------|------------|-------------|
| SP3080   | Vacuum Aspiration System Package | 180x240x450            | £1,151     | £605        |

Visit www.sciquip.co.uk for full specifications. Supplied complete with accessories. Other accessories available include: PPCO Vacuum Bottles, Single-needle, Long Type Needle, 8-channel Needle, Tip Detrusion Adapter, 8-channel Tip Detrusion Adapter, Filter, Single Channel Tip Ejector.



Special offer on ABDOS TC Flask, Canted Neck: **P21013:** TC Flask, PS, Vented/Filter Cap, Growth Area 75 cm<sup>2</sup>, £520 for PK500



Repairs and vacuum verification (off-site) available; please contact service@technival.co.uk.

## **Biochrom Ultrospec 30 Cell Density Meter**

Generate and save cell condition-specific standard curves using absorbance values or McFarland standards. Perfect for easy movement around the lab.

Accepts a variety of cuvettes and tubes including 10, 12\* and 16 mm diameter test tubes.

- Compact, portable, and easy-to-use with touchscreen display
- 40 nm spectral bandwidth
- Export measurement data via CSV





| Cat. No.   | Product Description             | List Price |
|------------|---------------------------------|------------|
| 80-3008-01 | Ultrospec 30 Cell Density Meter | £1,249     |

Visit www.medlinescientific.com for full specifications. Supplied with power adapter, 1 pack of x8 cuvettes and operating manual. \*Adapters required for 10/12 mm test tubes.





## **Equipment for Cell Biology from Labtech**

Labtech is proud to be the exclusive UK distributor for the multi award-winning LUNA automated cell counters from Logos Biosystems. Our experienced applications team is here to advise on the best model for your needs, and to provide ongoing technical and applications support.

## Logos Biosystems LUNA II Brightfield Automated Cell Counter

A powerful and easy-to-use automated brightfield cell counter, with liquid lens autofocus for reproducible counting of cell lines. Advanced declustering algorithms detect individual cells within clusters, ensuring accurate data even with clumpy cell types.

- Intuitive yet powerful software provides cell size data, cluster maps and protocol optimisation
- Choose from low cost disposable slides, or the innovative LUNA reusable slide
- Export data via USB drive in CSV, TIFF or PDF report formats

### Compact (16 x 18 cm) footprint fits into busy cell culture labs

| Cat. No. | Product Description                        | List Price | Promo Price |
|----------|--|------------|-------------|
| L40002   | LUNA II Brightfield Automated Cell Counter | £2,995     | £2,695      |

Visit www.labtech.co.uk for full specifications.

### Logos Biosystems LUNA FL Dual Fluorescence Automated Cell Counter

An automated system that ensures accurate viability data for even the most challenging cell types e.g., PBMCs. Nuclear staining using AO / PI counts cells excludes debris and non-nucleated cells.

- Export data via USB drive in CSV, TIFF or PDF report formats
- Brightfield optics for cell sizing or routine cell line counting using Trypan Blue

#### Accurate data regardless of mammalian cell type

### Logos Biosystems LUNA FX7 Dual Fluorescence Automated Cell Counter

When accuracy is critical, rely upon the LUNA FX7: A SelectScience Best New Life Science Product award winner, with the latest optical and software innovations. An expanded concentration range ( $1 \times 10^4$  to  $5 \times 10^7$  cells/ml) provides flexibility for a wide range of applications from single cell sequencing to CAR-T dosing. Large counting volumes (up to  $5.1 \mu$ l).

- Precision autofocus and optimised algorithms for a CV as low as 1%
- Count up to 8 samples on a slide, or use the 3 channel slide for triplicates
- Validation slides and integrated QC software for ongoing monitoring and validation of performance

### Unmatched accuracy with unrivalled flexibility



Please contact us to request a quotation or to discuss your application: sales@labtech.com









## Baker ReCO<sub>2</sub>ver Plus Rapid Recovery CO<sub>2</sub> Incubator

ReCO<sub>2</sub>ver provides precision control over the environmental conditions that your cells need to thrive, whilst delivering unprecedented recovery after they have been interrupted. Ultrasonic active humidification allows accurate control of RH levels, minimises condensation even at >90% RH levels, and reduces evaporation / edge effects on plates.

- Rapid recovery (<6 minutes) to set point for temperature, CO2 and humidity after door opening
- HEPA filter and uniform downflow airflow rapidly sweep away and collect contaminants
- H<sub>2</sub>O<sub>2</sub> vapour decontamination system for effective decontamination with minimal downtime
- Integrated CO<sub>2</sub> switchover unit with two inlets

#### **Absolute Precision. Maximum Protection**

| Cat. No. | Product Description          | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|----------|------------------------------|------------------------|------------|-------------|
| 1560503  | Rapid Recovery CO2 Incubator | 683x673x1029           | £10,995    | £9,895      |

Visit www.labtech.co.uk for full specifications.

## NanoEntek C-Chip Disposable Haemocytometers

Ideal for teaching, research or clinical environments. Minimise exposure to potentially hazardous samples. With two counting chambers per slide.

• High quality, quartz grade optical plastic with clear grid patterns

### Precise volume control, easy to use

| Cat. No. | Product Description            | Quantity | List Price |
|----------|--------------------------------|----------|------------|
| DHC-F01  | C-Chip, Neubauer Improved (NI) | 50       | £99        |
| DHC-N01  | C-Chip, Fuchs-Rosenthal (FR)   | 50       | £99        |

Visit www.labtech.co.uk for full specifications.

### zenCELL owl Brightfield Digital Microscope

A compact 24-channel brightfield digital microscope for incubator or workstation use. Carry out long term cell imaging under optimal growth conditions, without interruption or risk of contamination. Walkaway operation allows you to monitor cell cultures from anywhere, without opening the incubator or even going into the lab. Its compact  $18.5 \times 18.5 \text{ cm}$  footprint takes minimal space in your incubator.

• Sophisticated software captures images 24/7, evaluates confluence and compares mean / SD of individual wells

Monitor 24 wells in parallel, allowing you to compare individual wells over time



Please contact us to request a quotation: sales@labtech.com



## **Caron Products Stability Chambers**

Purpose-designed chambers for ICH Q1A and other demanding test protocols. Refrigeration On Demand only turns on when needed, reducing heat load and allowing units to run on standard single electrical circuits.

- Easy to read 7" touchscreen display
- Temperature range: 5 °C to 70 °C\*
- Temperature control: ±0.1 °C; uniformity: 0.3 °C
- Heatless humification, range: 20 to 95%\*\*
- Stainless steel interior and shelves
- IQ/OQ/PQ documentation and services available
- Easy cleaning and maintenance

### Excellent temperature and humidity performance.

| e. |  |
|----|--|
|    |  |

Save up to £6,270!

| Cat. No.      | Product Description  | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|---------------|--|------------------------|------------|-------------|
| BIG7000-10-03 | Model 7000-10 Benchtop,<br>Stackable Chamber 283 L (net)<br>with 3 Shelves | 820x570x1145           | £24,640    | £20,020     |
| BIG7000-25-03 | Model 7000-25 Chamber, 708 L<br>(net) with 4 Shelves                       | 902x846x1958           | £30,480    | £24,765     |
| BIG7000-33-03 | Model 7000-25 Chamber, 934 L<br>(net) with 5 Shelves                       | 1450x890x2070          | £33,440    | £27,170     |

Visit www.medlinescientific.com for full specifications. \*0 °C to 70 °C operational range available \*\* 2% to 95% operational range available. Supplied with casters, levelling feet, and access ports. Many accessories available for cabinet customisation; please enquire. 1415 L (2-door) and 2124 L (3-door) versions also available.

### Haier CO<sub>2</sub> Incubators

Delivering reliable and stable conditions for culturing cells and viruses, as well as undertaking epidemiological and translational research. Effective microbial filter and door heating function prevents microbial contamination.

- Temperature range: 3 °C above ambient to 55 °C
- Precise CO<sub>2</sub> concentration with LCD display
- Stainless steel chamber and access port
- Active airflow control technology
- IoT APP Available for Real Time Monitoring (optional)

### 180 °C dry heat sterilisation technology.

| Model                  | HCP-80      | HCP-168     | HCP-258     |
|------------------------|-------------|-------------|-------------|
| Capacity (L)           | 80          | 170         | 258         |
| Shelves, Supplied/Max. | 3/7         | 3/11        | 3/13        |
| External, WxDxH (mm)   | 625x684x735 | 714x812x887 | 794x867x985 |
| Cat. No.               | HCP-80      | HCP-168     | HCP-258     |
| List Price             | £11,429     | £11,997     | £14,743     |
| Promo Price            | £5,950      | £6,270      | £7,722      |

Visit www.sciquip.co.uk for full specifications. Accessories available include: Additional shelves; Hepa Filter, Pressure Reducing Valve, RS485, 4-20mA, The Cylinder Switch.



For information on temperature calibration traceable to UKAS and mapping (on-site), CO<sub>2</sub> calibration, plus repairs and servicing; please contact service@technival.co.uk.

### SciQuip Fan Assisted S-Series Ovens

Designed to provide accurate temperature uniformity with no overshoot, the microprocessor achieves precise environmental control and features the advantage of rapid recovery after door opening. Audio-visual temperature alarms and password protection.

Suitable for many drying applications including aging, bonding, curing, drying glassware, baking, sterilising, heat treating, annealing, stress relieving and stability testing.

- Temperature range: Ambient +5 to 200 °C
- Temperature accuracy: ±0.1 °C
- Fully programmable; store up to 9 programs of 18 steps
- Fan-assisted for excellent temperature uniformity





| Model                  | 30S         | 55S         | <b>110S</b>  | <b>210S</b>  |
|------------------------|-------------|-------------|--------------|--------------|
| Capacity (L)           | 30          | 55          | 110          | 210          |
| Shelves, Supplied/Max. | 2/7         | 2/10        | 2/16         | 2/19         |
| External, WxDxH (mm)   | 490x470x750 | 520x525x860 | 610x565x1060 | 690x720x1240 |
| Power (W)              | 900         | 1300        | 2100         | 2500         |
| Cat. No.               | SQ-4840     | SQ-4845     | SQ-4850      | SQ-4855      |
| List Price             | £1,585      | £1,744      | £2,152       | £2,722       |
| Promo Price            | £880        | £950        | £1,166       | £1,590       |

Visit www.sciquip.co.uk for full specifications. High temperature models also available. Additional shelves available.

## **SciQuip S-Series Incubators**

These microprocessor-controlled incubators are fan-assisted and have 8 additional auxiliary heating elements in the sides and bottom of the chamber enabling an outstanding 0.5 °C temperature uniformity. Ideal for microbiological work, pharmaceuticals, cosmetics, food and general testing.

Features as above for S-Series ovens, except:

- Temperature range: Ambient +5 to 65 °C
- Inner glass door



| Model                  | Incu-50S    | Incu-80S    | Incu-120S   | Incu-160S    | Incu-270S    |
|------------------------|-------------|-------------|-------------|--------------|--------------|
| Capacity (L)           | 50          | 80          | 120         | 160          | 270          |
| Shelves, Supplied/Max. | 2/4         | 2/4         | 2/5         | 2/4          | 2/4          |
| External, WxDxH (mm)   | 470x520x785 | 520x570x880 | 570x620x980 | 620x670x1030 | 740x740x1280 |
| Power (W)              | 200         | 250         | 300         | 380          | 550          |
| Cat. No.               | SQ-4610     | SQ-4615     | SQ-4620     | SQ-4625      | SQ-4630      |
| List Price             | £1,497      | £1,742      | £2,031      | £2,229       | £2,232       |
| Promo Price            | £810        | £960        | £1,120      | £1,245       | £1,595       |

Visit www.sciquip.co.uk for full specifications. Additional shelves available.



We can support with temperature calibration traceable to UKAS and mapping (on-site), plus repairs and servicing; please contact service@technival.co.uk.



## Genlab e<sup>3</sup> Drying Cabinets

Developed with the University of Cambridge, Genlab's  $e^3$  drying cabinets are energy efficient, safer and economic to run. Excellent chamber stability ( $\pm 0.6$  °C) and low heat output.

- Touch screen controller and timer (7-day)
- Excellent temperature accuracies with firmware for energy saving
- Temperature range: 30 to 80 °C
- Stainless steel chamber and fully insulated
- Manufactured in the UK
- Manual and automatic over heat protection





| Cat. No.          | Product Description                           | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|-------------------|---|------------------------|------------|-------------|
| GENE3DWC100N/TDIG | Drying Cabinet, 100 L                         | 720x420x660            | £1,585     | £1,399      |
| GENE3DWC200N/TDIG | Drying Cabinet, 200 L                         | 1000x500x770           | £2,145     | £1,895      |
| GENE3DWC425N/TDIG | Drying Cabinet, 425 L                         | 600x650x1750           | £4,625     | £4,085      |
| GENE3DWC100F/TDIG | Drying Cabinet, 100 L<br>with Fan Circulation | 720x420x660            | £1,820     | £1,610      |
| GENE3DWC200F/TDIG | Drying Cabinet, 200 L<br>with Fan Circulation | 1000x500x770           | £2,335     | £2,065      |
| GENE3DWC425F/TDIG | Drying Cabinet, 425 L<br>with Fan Circulation | 600x650x1750           | £4,855     | £4,285      |
| GENE3DWC885F/TDIG | Drying Cabinet, 885 L<br>with Fan Circulation | 1180x650x1750          | £6,450     | £5,690      |

Visit www.medlinescientific.com for full specifications. All models are supplied with three shelves. 425 and 885 L models have castors and double glazed hinged doors. 100 and 200 L models have glass sliding doors. Accessories/options include: Temperature logger; audible alarms; access ports; traceable calibration; extended warranty; wall mount brackets (for 100 and 200 L); bespoke stands and stacking kits.

## **LEEC Eco Drying Cabinets**

New cabinets feature efficient thermal insulation, so that equipment is cooler to the touch and heat escape is minimised, promoting operational efficiencies\* and reduced running costs.

- Precise digital temperature controller
- Digital timer: 7-day / 24-hour
- Temperature range: 30 to 80 °C
- Stainless steel chamber and insulated
- Manufactured in the UK
- Over temperature safety protection
- Two-year warranty (excluding glass doors)



| Cat. No.   | Product Description                                   | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|------------|---|------------------------|------------|-------------|
| LEECECOSS  | ECO SS Drying Cabinet, 113 L                          | 765x450x732            | £2,079.96  | £1,789      |
| LEECECOLS  | ECO LS Drying Cabinet, 227 L                          | 1000x550x807           | £2,171.01  | £1,865      |
| LEECECOFC2 | ECO FC2 Drying Cabinet, 426 L with Fan Circulation    | 635x650x1870           | £3,305.31  | £2,839      |
| LEECECOFC1 | ECO FC1 Drying Cabinet, 885 L<br>with Fan Circulation | 1168x650x1870          | £4,568.61  | £3,925      |



## **Christ Alpha 1-2 LSCbasic Freeze** Dryer

An entry-level tabletop freeze dryer upgraded with LSC basic control system, streamlining controls with an interactive, touchscreen interface. Available as a complete plug and go package or can be configured to suit the users' individual requirements.

- 5.7"/ 15 cm colour touchscreen display
- Manual or automatic process continuation
- Interactive interface to streamline operation
- Maintenance intervals for vacuum pump and system
- Selectable units for temperature and pressure
- Password protection available for peace of mind

Please contact info@sciquip.co.uk for a customised quotation. Quote 'INSPIRATIONS24' to receive your special discount.







| Cat. No. | Product Description  | Ext. dims;<br>WxDxH mm |
|----------|--|------------------------|
| 101700   | Alpha 1-2 LSCbasic Freeze Dryer -55 °C Ice Condenser 2.5 kg Ice Capacity | 315x345x470            |

Visit www.sciquip.co.uk for full specifications. Accessories available include vacuum sensor, acrylic chamber for racks, glass cover, and more. Pilot freeze dryers also available.

## Christ Alpha 1-2 Freeze Dryer **Package**

An entry-level tabletop freeze dryer for aqueous samples upgraded with LSC basic control system, streamlining controls with an interactive, touchscreen interface.

The Christ Alpha 1-2 Package comes complete with accessories: vacuum pump, vacuum sensor, electromagnetic valve and acrylic chamber with 6 flask ports. Available as a complete plug and go package or can be configured to suit the users' individual requirements. System specifications as listed above.

5.7"/ 15 cm colour touchscreen display.

Please contact info@sciquip.co.uk for a customised quotation. Quote 'INSPIRATIONS24' to receive your special discount.



'Plug and Go' Package

| Cat. No. | Cat. No. Product Description   |             |
|----------|--------------------------------|-------------|
| 102025   | Alpha 1-2 Freeze Dryer Package | 315x345x470 |

Visit www.sciquip.co.uk for full specifications. Package includes: freeze dryer, vacuum pump, vacuum sensor, electromagnetic valve and acrylic chamber with 6 flask ports.

Further accessories available include flask drying manifold, sealing device, aluminium product dish and more. Pilot freeze dryers also available.



## Christ Alpha 1-4 and 2-4 LSCbasic Freeze Dryers

Efficient and compact universal tabletop freeze dryers ideal for everyday lab work. The LSCbasic user interface introduces simple and intuitive control, enabling the user to explore a wide range of configurations for their individual requirements.

Choose from the **Alpha 1-4 LSCbasic:** –55 °C Condenser for typical aqueous solutions or the **Alpha 2-4 LSCbasic:** –85 °C Condenser for drying solutions with low freezing points.

- 4 kg condenser capacity
- Condenser performance: 4 kg / 24 hr
- Touchscreen LSCbasic controller included as a standard
- Tabletop system
- Complete system includes vacuum pump

Please contact info@sciquip.co.uk for a customised quotation. Quote 'INSPIRATIONS24' to receive your special discount.



**Intuitive Interface** 

| Model                     | Alpha 1-4 LSCbasic | Alpha 2-4 LSCbasic |
|---------------------------|--------------------|--------------------|
| Ice Capacity (L)          | 4                  | 4                  |
| Temperature (°C)          | Approx. –55        | Approx. –85        |
| Refrigeration System (kW) | 0.51               | 2x 0.51            |
| External, WxDxH (mm)      | 390x540x415        | 390x540x415        |
| Cat. No.                  | 102370             | 102371             |

Visit www.sciquip.co.uk for full specifications. Further accessories available include LyoCube front loading chamber, sealing device, shelving racks and more. Units also available with the LSCplus software for better process management and process control of a freeze drying system.



Pressure calibration, temperature calibration traceable to UKAS and mapping (on-site), repairs, servicing and IQ/OQ/PQ validation available. Please contact service@technival.co.uk.



### **VACUUBRAND Pumps**

VACUUBRAND offers the most comprehensive range of vacuum pumps, vacuum gauges and vacuum controllers for rough and fine vacuum for laboratory use. The range includes:

- Oil-free diaphragm pumps
- Rotary vane pumps
- Complete vacuum pumping units
- Vacuum controllers and more

Contact your Regional Account Manager for more information.

## Grant Instruments, CRF-1 Benchtop Controlled Rate Freeze Thaw

For precision and reproducible cryopreservation of a wide range of material including: embryos, stem cells, mammalian cells, spermatozoa, antibodies, tissue sections and rodent organs.

- Freezing cycle to -100 °C
- Thawing cycle at max. 10 °C /min
- Range of interchangeable heads available
- Software included
- Stirling engine technology provides efficient cooling\*
- Two-year parts and labour warranty

### Liquid nitrogen free and runs on 24 V supply!

Save 18% and get free installation\*\*





| Cat. No.        | Product Description                | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|-----------------|------------------------------------|------------------------|------------|-------------|
| GRNTCRF-1H01    | CRF-1 with Plate without Head      | 350x290x460            | £23,000    | £18,945     |
| Interchangeable | Heads                              |                        |            |             |
| GRNTH00         | For 16x0.5 ml CBS Straws           |                        | £1,500     | £1,239      |
| GRNTH01         | For 18x0.3 ml IMV Straws           |                        | £1,500     | £1,239      |
| GRNTH02         | For 55x1.8 ml Cryotubes (max. fill | 0.5 ml)                | £1,500     | £1,239      |
| GRNTH03         | Flat Plate                         |                        | £1,500     | £1,239      |
| GRNTH05         | For 1x SBS Microplate              |                        | £1,500     | £1,239      |
| GRNTH06         | For 55x1.8 ml Deep Cryotubes (mo   | ax. fill 1.0 ml)       | £1,500     | £1,239      |

Visit www.medlinescientific.com for full specifications. Operating temperature (environment): 20 °C to 30 °C.

<sup>\*\*</sup>Free installation for UK mainland only.



Temperature calibration traceable to UKAS and mapping (on-site), repairs, servicing, and IQ/OQ/PQ validation available. Please contact service@technival.co.uk.



## Dry LN<sub>2</sub> Cryostorage from CBS

CBS' Isothermal range features innovative jacket technology which provides dry storage. Since there is no LN<sub>2</sub> in the sample chamber, personnel are safe from splashes and spills.

- Improved user safety
- Excellent temperature uniformity
- Reduced risk of cross-contamination
- Increased sample storage capacity

Discover the range on www.medlinescientific.com.

<sup>\*</sup>The Stirling engine is a closed, compression-based chamber which during expansion and contraction creates cooling. It is non-carbon based energy, very efficient and requires no topping up.



## Lec Medical Laboratory Essential Undercounter Refrigerators and Freezers, Spark-free

Essential laboratory refrigerators and freezers with spark-free interior to reduce risk of ignition, and lockable door with two keys. Multiple shelf positions provide flexible storage options.

- Refrigerator temperature range: 2 °C to 10 °C
- Freezer temperature range: -18 °C to -25 °C
- Spark-free interior and lockable, solid door
- Anti-microbial handle to prevent cross contamination
- Two-year parts and labour warranty



| Cat. No.     | Product Description                                   | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|--------------|---|------------------------|------------|-------------|
| LEC444411344 | LSFSR110 Fridge, 158 L<br>with 2 Shelves and 1 Drawer | 595x660x850            | £500       | £315        |
| LEC444411345 | LSFSF110 Freezer, 84/98 L with 3 Shelves              | 595x660x850            | £500       | £315        |

Visit www.medlinescientific.com for full specifications.



Benefit from a wide range of refrigeration service solutions such as:

Temperature calibration traceable to UKAS or mapping (on-site), repairs, servicing, health checks, and IQ/OQ/PQ validation.

We can also support with wireless temperature monitoring systems.

Please contact service@technival.co.uk.



## Priorclave EV/EH Front- and Top-loading Autoclaves

The **Base range** covers "the basics": media preparation, waste loads, sterilising loose instruments, open containers, and labware. Along with media warming, they feature:

- Fully programmable cycle customisation
- Integrated cooling and free-steaming systems
- Low water level sensor and drain protection

In addition to the above, **Smart models** also feature:

- Programmable pre-cycle vacuum for steam penetration
- Pulsed free-steaming and vacuum assisted cooling

Performance range models are available for more complex tasks.

Please contact your Regional Account Manager to discuss your application.

## Lec Medical Laboratory Plus Upright Refrigerators and Freezers, Spark-free

Lec's Local Temperature Monitoring enabled range provides improved user connectivity options for monitoring of temperature, alarms, and further controls. Multiple shelf positions provide flexible storage options, and anti-microbial handles prevent cross contamination.

- Refrigerator temperature range: 2 °C to 10 °C
- Freezer temperature range: -18 °C to -25 °C
- Spark-free interior and solid door with lock
- Power failure alarm with battery backup
- Simple download of temperature history and alarm history via App
- Touch screen external temperature controller: read and reset; min/ max temperature readings; etc
- Factory fitted 16 mm porthole for secondary temperature monitoring probes
- Five-year parts and labour warranty

Improved user connectivity options.





## Bluetooth-enabled



| Cat. No.     | Product Description                             | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|--------------|---|------------------------|------------|-------------|
| LEC444411360 | LSFSR310BT-UK Fridge, 310 L with 5 Shelves      | 595x600x1560           | £1,570     | £1,229      |
| LEC444411352 | LSFSF98BT-UK Freezer, 84/98 L with 3 Shelves    | 595x660x850            | £914       | £715        |
| LEC444411362 | LSFSF242BT-UK Freezer, 229/242 L with 6 Shelves | 595x660x1500           | £1,689     | £1,325      |
| LEC444411366 | LSFSF312BT Freezer, 290/312 L with 8 Shelves    | 595x660x1935           | £1,950     | £1,529      |

Visit www.medlinescientific.com for full specifications. Other models available in the range.



Find out about our service and maintenance contracts: service@technival.co.uk.



### **Arctiko Cryogenic Freezers**

Suitable for a wide variety of research and long-term storage applications for ultra-low temperature scientific experiments, preservation of cells, DNA, bone material and bacteria.

- TRUE DUAL™ compressor technology
- Temperature range: -140 °C to -150 °C
- Lockable lid and filterless construction

Discover the range on www.medlinescientific.com.



## SciQuip Pharmacy Fridges

A dual sensor system monitors the air temperature for rapid temperature control together with a simulated sample temperature sensor. The fridges come with 6 alarm levels and 3 types of alarm audible, visual, and remote. Suitable for pharmaceutical storage, vaccines, test kits and reagents in all settings including chemists, surgeries, hospitals, vets and laboratories. Lockable glass doors, LED interior lights, power failure alarm, and a sensor port all come as standard.

- Accurate temperature control: 2 to 8 °C
- Forced air cooling for rapid recovery and better temperature control
- Automatic defrost and condensate evaporation
- Temperature controller with LED display



**Password Protection** 

### In stock and available for next day delivery!

| Cat. No. | Product Description                                     | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|----------|---|------------------------|------------|-------------|
| SQ-V60C  | Pharmacy 60 Tabletop Fridge, 29 L with 3 Shelves        | 445x458x535            | £694       | £495        |
| SQ-V140C | Pharmacy 140 Underbench Fridge,<br>168 L with 4 Shelves | 595x611x840            | £847       | £605        |

Visit www.sciquip.co.uk for full specifications. Shelves supplied are plastic-coated wire. 328 L and 448 L mdoels also available. Please enquire for pricing.



## Refrigeration – Service Solutions

A comprehensive portfolio designed to maximise the efficiency, reliability and accuracy of your equipment.

- Health checks
- Servicing and preventative maintenance contracts
- Flexible breakdown cover
- On-site repairs
- Temperature calibration traceable to UKAS standards
- IQ/OQ/PQ validation

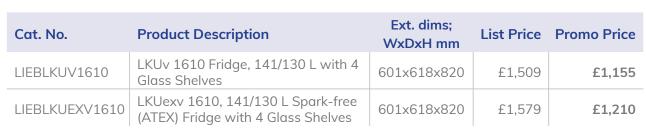
Please contact our dedicated Service Team for more information: service@technival.co.uk

## Liebherr MediLine 1610 Underbench Fridges

Meets the exacting demands made of laboratory appliances. The temperature can be set from +3 °C to +16 °C. The forced-air cooling system in conjunction with the precision electronic controller ensures temperature consistency and uniform temperature distribution. Comfort controller with digital display enables temperatures to be set to 0.1 °C accuracy.

- Temperature range: 3 °C to 16 °C with automatic defrost
- Spark-free model: Interior ATEX 95 certified
- Precise temperature controller with integrated data memory
- Reversible door with lock
- External access port available
- Ten-year spare parts availability
- Two-year warranty

Audio-visual alarms for temperature and door.



Visit www.medlinescientific.com for full specifications.

## Liebherr MediLine LGUex 1500 Underbench Spark-free Freezer

Meets the exacting demands made of laboratory appliances. The temperature can be set from -9 °C to -26 °C. The precision electronic controller ensures temperature consistency. Features static cooling and manual defrost.

- Temperature range: -9 °C to -26 °C
- Spark-free interior (ATEX 95 certification)
- Precise temperature controller with integrated data memory
- Reversible door with lock
- Audio-visual alarms for temperature and door
- External access port available
- Ten-year spare parts availability
- Two-year warranty

### Precise 0.1 °C temperature setting accuracy.



Visit www.medlinescientific.com for full specifications.



From health checks and repairs to calibration and validation, we can support your equipment through its life cycle. Please contact service@technival.co.uk.







## Liebherr Upright Spark-free Performance Freezers

Ideal for basic laboratory requirements with good temperature stability (EN 60068-3), static cooling and manual defrost. ATEX rated for spark free. Temperature can be set from -9 °C to -30 °C, with  $\pm 5$  °C temperature stability for minimal fluctuation. SmartFrost reduces frost build-up in the interior and on stored products, reducing the frequency of defrosting required.

- Temperature range: -9 °C to -30 °C with SmartFrost
- Spark-free interior (ATEX 95 certification)
- Environmentally friendly and natural refrigerants
- Precise temperature controller with integrated data memory
- Reversible door with lock
- Audio-visual alarms for temperature and door
- External access port available
- Ten-year spare parts availability
- Two-year warranty

### Manufactured in Europe for reduced carbon footprint.

| Cat. No.      | Product Description                             | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|---------------|---|------------------------|------------|-------------|
| LIEBSFFFG4001 | SFFfg 4001 Freezer, 190/316 L<br>with 6 Drawers | 597x654x1884           | £2,249     | £1,875      |
| LIEBSFFFG5501 | SFFfg 5501 Freezer, 394/499 L<br>with 5 Drawers | 747x769x1684           | £2,619     | £2,225      |

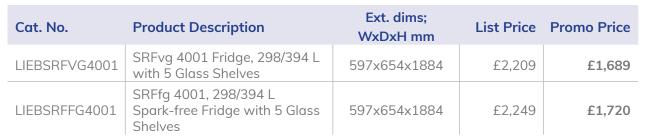
Visit www.medlinescientific.com for full specifications. Other models available.

## Liebherr 4001 Upright Performance Fridges

Ideal for basic laboratory requirements, the 4001 fridges provide good temperature stability (EN 60068-3). Features forced-air cooling and automatic defrost. Spark-free (ATEX) model SRFfg 4001 is suitable for storing flammable materials.

- Temperature range: +3 °C to +16 °C
- Natural, environmentally friendly refrigerants: R600a
- External digital display
- Reversible door with lock
- Audio-visual alarms for temperature and malfunction
- External access port available
- Two-year warranty

### Ten-year spare parts availability.



Visit www.medlinescientific.com for full specifications. Other models available.





## **Liebherr MediLine Fridge Freezers**

Meets the exacting demands made of laboratory appliances. The forced-air cooling system (fridge compartment) in conjunction with the precision electronic controller ensures temperature consistency and uniform temperature distribution in the interior. The freezer compartment features static cooling and manual defrost. Fridge compartment has automatic defrost.

- Temperature range: 3 °C to 16 °C / -9 °C to -30 °C
- Spark-free model: ATEX 95 certified interior
- Precise temperature controller with integrated data memory
- Reversible doors with lock
- Audio-visual alarms for temperature and door
- Two-year parts and labour warranty

**Fridge compartment:** 4 adjustable glass shelves; capacity 254/240 L

Freezer compartment: 3 drawers; capacity 107/105 L

Performance model and spark-free model available.



Visit www.medlinescientific.com for full specifications.



From health checks and repairs to calibration and validation, we can support your equipment through its life cycle. Please contact service@technival.co.uk.

## Arctiko LFE 380 Flexaline Upright Freezer

The eco-friendly Flexaline series offer flexibility, security and reliability, even in the demanding requirements of biomedical applications. Single compressor technology with a simple design ensures easy maintenance, lower heat dissipation and noise reduction. Track temperature data continuously with digital controller including integrated data logger.

- Temperature range: -10 to -25 °C
- Digital display, datalogger, USB port and access port
- Visual and acoustic alarms for: power failure; temperature deviations; door open; probe failure; and low battery
- Reversible door with left-handed door as default
- Static cooling for maximum temperature uniformity, stability and quick temperature recovery following door openings



**Adjustable Shelves** 

### Natural refrigerants with low GWP\*.

| Cat. No.     | Product Description               | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|--------------|-----------------------------------|------------------------|------------|-------------|
| ARC190003701 | LFE 380 Freezer, 400 L, 7 Shelves | 608x698x1840           | £1,963.44  | £1,120      |

Visit www.medlinescientific.com for full specifications. \*Global Warming Potential.













### **Freezer Racking**

Organising stored samples with suitable ULT racking can help laboratories to improve their energy and space efficiency, and time management. Using freezer racks along with effective inventory management should minimise door-opening times and reduce the ice build up that can result. Being organised also saves valuable time spent searching for stored samples and reagents.

### **Types of Freezer Storage**

Horizontal Racks - Allows for maximum use of the storage space in upright ULT freezers.

- Racks hold trays (for cryoboxes, microplates), divided trays or storage bins
- Racks available for storing 15 ml or 50 ml centrifuge tubes
- Aluminium or stainless steel versions

Front-access freezer racks offer convenient and quick access to stored items—only one tray needs to be removed in order to take out/locate an item in the freezer.

Side-access versions are easily customisable for various sizes of cryoboxes. In addition to cryoboxes, they can also hold microtitre plates, and are ideally suited to long-term storage.

**Freezer Storage Bins -** Ideal for organising and safely storing any loose items within the freezer. Standard sizes are 140 mm and 280 mm wide, but they can be custom-made to any size.

- Available in anodised aluminium or stainless steel
- Choice of fold down handle or hand grip
- Can be fitted with a handle on each end for easy transport
- Label holder for clear inventory organisation

**Vertical Racks -** Available in many sizes and designs. Vertical racks are ideal for organising and maximising storage within laboratory chest freezers. Vertical racks are commonly used to store cryoboxes. However, bespoke racks are available to store microtitre plates, deep-well plates or centrifuge tubes.

- Aluminium or stainless steel versions
- Space-efficient fold down handle to allow easy removal from the chest freezer
- Fixed handle versions (handle fixed in upright position)
- Identification labels available

**Coloured Racks** - Can assist with freezer organisation and facilitate sharing. Coloured racks can also be used to highlight mission-critical or valuable samples that should be moved to a back-up unit as a priority, if the freezer fails.

- Vibrant colours including: blue, red, purple, orange, and green
- Clearer visibility of your storage racks even when covered in ice/frost build up

Competitive prices available! Get in touch for more information or to raise a quotation: enquiries@medlinescientific.com

## **Stirling Ultracold ULT Freezers**

Stirling Ultracold ULT freezers offer a wide temperature range, energy- and space-efficiency and use natural refrigerants.

- Wide temperature range: -20 to -86 °C
- Free-piston Stirling engine: Only a few moving parts, no oil and no compressors

### Portable and lightweight, ULT25NEU

The only truly portable ULT freezer available for bringing cold chain sample and drug storage to patients and remote sites.

- Energy efficient: <2.8 kWh/day at -80 °C (steady state)
- NEW Ultraguard: Dry-ice free Phase Change Material (PCM) to help "hold the cold" and elimate the need for dry ice
- Plugs into any 110 V-240 V outlet and 12 V DC power\*

### Underbench, benchtop or stacked, SU105UE

Ideal for bench-side personal storage. Delivers full-performance ULT storage.

- Energy efficient: <4 kWh/day at -80 °C (steady state)
- Ideal for transitioning biological materials to warmer temperatures
- Fast pull-down and door-opening recovery performance

### Upright, space-efficient and reliable, SU780XLE

The SU780XLE has been put through its paces by independent laboratory sustainability specialist, Green Light Laboratories.\*\* We've learnt that the SU780XLE:

- Delivers excellent energy efficiency\*\*
- Offers high capacity storage and space efficiency
- Demonstrates superior recovery on door opening
- Provides excellent temperature performance









#### Further discounts available for multiple units.

| Cat. No.     | Product Description                 | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|--------------|-------------------------------------|------------------------|------------|-------------|
| STIRULT25NEU | ULT25NEU Portable ULT Freezer, 25 L | 693x350x460            | £6,840     | £5,765      |
| STIRSU105UE  | SU105UE Compact ULT Freezer, 105 L  | 864x711x686            | £9,929     | £8,059      |
| STIRSU780XLE | SU780XLE ULT Freezer, 780 L         | 915x870x1994           | £22,977    | £13,495     |

Visit www.medlinescientific.com for full specifications. \*Adapters required. \*\*Please contact us to view the full case study report.



### Sustainable Solutions for Laboratories

We offer a range of products and services to help you work more sustainably without impacting your daily workflows.

- Improve energy efficiency
- Lower running costs: Energy and water
- Reduce environmental impact
- Lower your carbon footprint

Discover the range on www.medlinescientific.com.



### Infrico Underbench -86 °C ULT Freezer

The LabCare+ 110 litre ULT freezer reliably maintains a stable, set temperature down to -86 °C and features natural, biodegradable HC cooling gases. This compact freezer satisfies the demand for the safe, long-term storage of high-value materials and samples.

The ULF11086 incorporates a tried and tested single stage refrigeration system which, combined with an optional liquid CO<sub>2</sub> backup system, provides a critical level of protection.

- Temperature range: -40 °C to -86 °C
- 5" Graphic LCD touchscreen controller
- Datalogger, USB, and RS485 ports
- Two access ports
- Visual and acoustic alarms for: power failure; temperature deviations; probe failure; open door after 10-60 seconds; low battery; and filter saturation



Save £5,225!

### Natural HC refrigerants.

| Cat. No.   | Product Description   | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|------------|---|------------------------|------------|-------------|
| MDULF11086 | Compact ULT Freezer 110 L<br>with 1 Shelf and 2 Inner Doors | 1092x783x820           | £9,725     | £4,500      |

Visit www.medlinescientific.com for full specifications.



Get in touch to book your freezer service: service@technival.co.uk.

## Infrico Upright -86 °C ULT Freezers

With dual independent refrigeration systems for secure sample storage, natural refrigerants and optional CO<sub>2</sub> back up system.

Other features as listed above for the underbench model.

Dual compressor security from only £6,900!



| Cat. No.   | Product Description   | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|------------|---|------------------------|------------|-------------|
| MDULF50086 | LabCare+ ULT Freezer, 500 L with 3 Shelves and 4 Inner Doors    | 996x919x1986           | £12,679.53 | £6,900      |
| MDULF70086 | LabCare+ ULT Freezer, 700 L<br>with 3 Shelves and 4 Inner Doors | 1276x957x1986          | £13,398.93 | £7,500      |

Visit www.medlinescientific.com for full specifications. Other models available, including 400 and 800 L.



See page 64 for freezer racking.

### Arctiko ULUF Underbench ULT Freezers

Compact, space-saving design and low noise level makes the ULUF underbench freezers a perfect storage solution for laboratories. Usable as either a benchtop or undercounter model, single compressor technology with a simple design ensures easy maintenance, lower heat dissipation and noise reduction. Direct cooling of each shelf cools compartments directly for maximum uniformity and minimal recovery time.

- Wide temperature range: -40 to -86 °C
- 4.2" Touchscreen LCD, datalogger, USB port, and access port
- Visual and acoustic alarms for: power failure; temperature deviations; door open; probe failure; and low battery
- Heated door frame to prevent ice build up
- Handle designed for one-handed opening and door lock







### Natural refrigerants with low GWP\*.

| Cat. No.   | Product Description        | Ext. dims;<br>WxDxH mm | List Price | Promo Price |
|------------|----------------------------|------------------------|------------|-------------|
| ARC1000013 | ULUF P50 ULT Freezer, 50 L | 657x778x836            | £7,811.46  | £5,010      |
| ARC1000005 | ULUF 65 ULT Freezer, 54 L  | 600x700x810            | £7,540.81  | £4,839      |

Visit www.medlinescientific.com for full specifications. \*Global Warming Potential.

## **Arctiko ULUF Upright ULT Freezers**

Features TRUE DUAL™ technology for double security, which consists of two independent systems offering you the best security. In case of any failure with one of the cooling systems, the other system will still maintain the temperature at -70 °C. Self-diagnostic function confirms that the alarm system is always working correctly.

- Wide temperature range: -40 to -86 °C
- 4.2" Touchscreen LCD, datalogger, USB port, and access port
- Visual and acoustic alarms for: power failure; temperature deviations; door open; probe failure; and low battery
- Handle designed for one-handed opening and door lock



**Filterless Construction** 

### With TRUE DUAL™ technology and natural refrigerants with low GWP\*.

| Cat. No.   | Product Description                        | Ext. dims;<br>WxDxH mm    | List Price | Promo Price |
|------------|--|---------------------------|------------|-------------|
| ARC1000007 | ULUF 450-2M Freezer, 393 L with 4 Shelves  | 657x778x836               | £11,057.29 | £7,095      |
| ARC1000016 | ULUF P500 GG Freezer, 500 L with 5 Shelves | 895x859.5/1002<br>x1999** | £17,319.65 | £11,109     |
| ARC1000008 | ULUF 750-2M Freezer, 642 L with 4 Shelves  | 1030x885x1990             | £16,267.57 | £10,435     |

Visit www.medlinescientific.com for full specifications. \*Global Warming Potential. \*\* With detachable air flow management and noise reduction system.



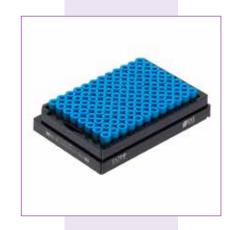
See page 64 for freezer racking.



### LVL Technologies 2D Tube Rack SAFE®

SAFE® 96 2D barcoded, racked tubes are a must-have for any laboratory requiring safe and efficient long-term storage of microlitre volumes of samples for applications such as bio-banking, epidemiological studies, cohort studies, transfusion medicine, compound management, cryopreservation and forensics.

- Reliable sample identifiability and traceability
- Secure storage and excellent leak tightness
- Protective rim against mechanical influences
- Open space for customised coding
- SAFE® low leachables medical polypropylene
- Rated 100% leakproof by IATA
- Can significantly increase your sample storage capacity compared to standard cryoboxes



Certified DNA, DNAse, RNAse, pyrogen and endotoxin free.

| Cat. No.          | Product Description   | Quantity | List Price | Promo Price |
|-------------------|---|----------|------------|-------------|
| 4C-X05-BL-AW-P-L  | 2D Tube Rack SAFE®, Externally<br>Thread, 500 μl, Side Coded, Blue<br>Capped, Production Sterile  | 50x96    | £3,250     | £2,225      |
| 4C-X10-BL-AW-P-L  | 2D Tube Rack SAFE®, Externally<br>Thread, 1000 µl, Side Coded, Blue<br>Capped, Production Sterile | 50x96    | £3,250     | £2,225      |
| 4C-X20A-AW-BL-P-L | 2D Tube Rack SAFE®, Externally<br>Thread, 2000 µl, Side Coded, Blue<br>Capped, Production Sterile | 50x96    | £1,800     | £1,300      |

Visit www.elkaylabs.com for full specifications.



## LVL Technologies Laser Marker

The TLM 864 SAFE® tube laser marker can automatically laser-code SAFE® tubes from two sides and link the information in a database to the 2D code that was previously lasered-on during production.

- Code up to 500 tubes per hour from nine SBS/ANSI positions
- Compatible with SBS 96, SBS 48 and SBS 24 formats
- Label up to 9 racks simultaneously

Discover more solutions on www.elkaylabs.com.









Request a Demo!

## Request a Demo!

## **Equipment from Agar Scientific**

Agar Scientific offers a range of Instrumentation to support all forms of microscopy in Biological Science and Material Science related fields.

### easiGlow™ Discharge Cleaning System

Easy-to-use glow discharge cleaning system for surface modification of TEM support films. With precise and easy vacuum settings, the system supports both hydrophilic and hydrophobic treatments for either negative or positive charge.

- Compact, standalone unit with intuitive touchscreen for display and operations
- Short cycle times and consistent results

3 modes: Auto, programmed and manual.

#### **WELL Precision Diamond Wire Saws**

Produces smooth, sharp-edged surfaces on virtually any material, while peforming a non-destructive, non-deforming cut/slice. Cutting wire is stainless steel with diamonds embedded into the surface, using a patented embedding process to ensure maximum cutting capability and long wire life.

- Metals, plastics, quartz, glass, graphite and ceramics are just some of the many natural and synthetic materials that can be cut
- Precision cut and smooth finish to eliminate polishing time

Suitable for research and development, quality control, failure analysis and production.



Please contact your Regional Account Manager to request a quotation.



## **C-Smart Functionalised Carbon Support** Films from Agar Scientific

Fully customisable functionalised carbon support films. Choose your grid and functionalisation or request a functionalisation specifically for your application!

- Grids: Continuous carbon, 3 nm ultra-thin carbon on lacey support, Quantifoil with ultra-thin carbon
- Functionalisations: Hydrophophilic (basic), Hydrophilic (positive), Hydrophilic (negative), Hydrophobic

Visit www.agarscientific.com for more information.









## Request a Demo!

## **Equipment from Agar Scientific, continued**

### **Manual Sputter Coater**

Designed for gold coating of SEM specimens with full variable current control, timer and variable height specimen table. Gold target included as standard.

- Optional film thickness monitor
- Vacuum pump mounted on desktop compatible anti-vibration table

#### Economic and easy-to-use.

### **Automatic Sputter Coater**

Compact, easy-to-use benchtop coating unit for automatic coating of SEM samples. Ideally suited for routine sample coating applications, offering rapid pump down times, fine grain coatings and negligible sample heating.

- Supplied with complete pumping system
- Optional film thickness monitor

Simple and economic to operate.

#### **Automatic Carbon Coater**

Designed for routine coating of SEM and microprobe samples. Where conductive low atomic number coating is required. Dual carbon rod source with unique current feedback control gives highly reproducible carbon coatings.

- Economical and easy-to-use
- Pulsed mode for coating heat-sensitive samples

#### Automatic and manual modes.



## **Agar Scientific Gold Target Recycling Scheme**

We can recycle your spent Gold or Gold/Palladium disc targets and offer a 20% discount on the equivalent brand new target. This offer only applies to disc targets with like-for-like replacements.

Visit www.agarscientific.com for more information.









## **Equipment from Agar Scientific, continued**

### **Cutlam Micro 1.1 Precision Laboratory Cutting Machine**

Economical and easy to use, designed for precision cutting of even the most sensitive materials. Speed range and cutting chamber capacity enables use for many applications, with a variety of cutting wheels up to 150 mm diameter.

- Stable and vibration free
- Equipped with safety device and independent decanting/recirculation tank

#### Versatile and robust.

### **Cutlam Micro 3.0 Precision Automatic Laboratory Cutting Machine**

Designed with motorised stage for automatic operation, allowing for precision, long and difficult cuts. Feed speed control feature allows for irregular samples and materials with heterogeneous hardness to be cut.

- Precision cuts within 0.01 mm accuracy
- User-friendly interface

Large capacity yet compact.

### **Cutlam 1.1 Large Capacity Cutting Machine**

Bench-mounted, robust and easy to use with a large cutting capacity.

- Spacious cutting table made from anti-corrosive cast iron
- Ability to clamp components of thicknesses up to 120 mm
- Can be equipped with Ø 250 to 305 mm cut-off wheels

#### Designed for a wide range of applications.

#### **Cutlam 3.1 Automatic Large Capacity Cutting Machine**

Features 2 or 3 motorised axes and a 300 mm Ø cut-off wheel. Rotation speed and feed speed can be programmed to prevent deterioration or deformation of samples.

- Max cutting capacity Ø 110 mm with 300 mm cut-off wheel
- 5.7" LED touch screen and intuitive interface
- Internal memory for over 300 cutting programs; can also be imported/exported via a USB port

### Automatic and programmable



Please contact your Regional Account Manager to request a quotation.









### **Equipment from Agar Scientific, continued**

### Smartlam 2.0 Single Wheel Advanced Convertible Grinder/Polisher

Versatile, compact, single wheel convertible grinder/polisher which can be configured with 200-300 mm platens.

- Optional SpringLam head for semi-automatic operation
- 3.5" touchscreen keypad

### Competitively priced.

### Masterlam 3.0 Automatic Polishing Machine

Automatic, single-plate polishing machine with powerful central and individual pressure head, bidirectional rotation, variable speed and pressure. Polishing head has an oscillation function, with oscillation configurable both for amplitude and frequency.

- Touchscreen controls
- Parameter storage and expert technologies

### Intuitive and user-friendly interface.

### **Presslam 1.1 Automatic Mounting Press**

Innovative mounting press with heating and cooling system, providing a total cycle time of 5 minutes with preheating element. Set temperature, pressure, heating and cooling parameters from a central screen, and choose from 4 pressure modes based on the mounting compound.

- Audible alert when cycle is complete
- Easy to maintain and clean

Water conserving program (up to 25% less).



## New Cryo-EM Consumables from Agar Scientific

Latest additions to the Agar Scientific Cryo-EM portfolio for clipping and storing your Cryo-EM samples.

- Clipping: Choose from premium autogrid rings and c-clips, clipping stations, tools and racks
- Storing: A wide range of grid boxes including bulk storage, hybrid, metal and plastic options

Visit www.agarscientific.com for more information.

## Agar Scientific Tungsten Filaments for EM

Precision-made in custom engineered jigs to ensure complete accuracy of every filament to gain maximum image quality and life expectancy.

- High-ductility tungsten wire used to minimise strain
- Stress relieved by flashing in a vacuum at temperatures above the normal operating level
- Quality checked for accuracy of centring

Replacement tungsten filaments for Cambridge/LEO/Zeiss, AEI, TESCAN, JEOL, ISI and Phillips/FEI/Thermo Fisher instruments.



**Save 20%** 

| Cat. No. | Product Description                       | Quantity | List Price | Promo Price |
|----------|---|----------|------------|-------------|
| AGA047   | Filaments for TESCAN VEGA Series          | 10       | £307.07    | £246        |
| AGA054   | Filaments for Cambridge/LEO/Zeiss and AEI | 10       | £90.43     | £73         |
| AGA054L  | Filaments for LEO Microscope 0.15 mm Wire | 10       | £132.21    | £106        |
| AGA086   | Filaments for FEI                         | 10       | £240.06    | £193        |
| AGA092   | Filaments for JEOL                        | 6        | £275.96    | £221        |

Visit www.agarscientific.com for full specifications.

## LaB<sub>6</sub> Lanthanum Hexaboride Filaments

High current, high brightness, single crystal crystal lanthanum hexaboride (LaB<sub>6</sub>) filaments.

- Emission current densities up to 30 A/cm²
- Range of emission surface sizes
- Long lifetime
- Operating pressure <10<sup>-7</sup> torr



| Cat. No.     | Product Description   | Quantity | List Price | Promo Price |
|--------------|---|----------|------------|-------------|
| AGA0690-6006 | 60/06 on FEI/Philips Base (not XL30)                                | 1        | £1,204.78  | £964        |
| AGA0690-9015 | 90/15 on FEI/Philips Base (not XL30)                                | 1        | £1,269     | £1,016      |
| AGA0690-9020 | 60/06 on AEI Base for Cambridge<br>Instruments, LEO/Leica/Zeiss     | 1        | £1,204.78  | £964        |
| AGA0692-9015 | 90/15 on AEI Base for for Cambridge<br>Instruments, LEO/Leica/Zeiss | 1        | £1,204.78  | £964        |
| AGA0692-9020 | 90/20 on AEI Base for for Cambridge<br>Instruments, LEO/Leica/Zeiss | 1        | £1,183.75  | £947        |
| AGA0693-6006 | 60/06 for JEOL K Base   | 1        | £1,204.78  | £964        |
| AGA0693-9015 | 90/15 on JEOL K Base  | 1        | £1,492.36  | £1,194      |
| AGA0693-9020 | 90/20 on JEOL K Base  | 1        | £1,710     | £1,368      |
| AGA0698-6006 | 60/06 on Hitachi S Base   | 1        | £1,282.40  | £1,026      |
| AGA0698-9015 | 90/15 on Hitachi S Base   | 1        | £1,281.73  | £1,026      |
| AGA0698-9020 | 90/20 on Hitachi S Base   | 1        | £1,282.40  | £1,026      |

Visit www.agarscientific.com for full specifications.



## **Specimen Stubs for SEM**

Comprehensive range of specimen stubs for SEM instruments, including: Amray, Cambridge Analysis, Cambridge, Deben, FEI-ESEM, Hitachi, ISI/ABT/Topcon, JEOL, LEO/Cambridge, FEI/Philips, Camscan, TESCAN, Zeiss and LEO/Zeiss.

A variety of shapes are available including standard pin stubs, angled stubs, cylinder stubs, low profile pin stubs and M4 threaded stubs. Machined from free cutting aluminium.



| Cat. No.            | Product Description   | Quantity | List Price | Promo Price |  |
|---------------------|---|----------|------------|-------------|--|
| Aluminium Pin Stubs |   |          |            |             |  |
| AGG301F             | 12.5 mm diameter, 6 mm pin length   | 100      | £26.33     | £22         |  |
| AGG301              | 12.5 mm diameter, 8 mm pin length   | 100      | £24.94     | £20         |  |
| AGG301A             | 12.5 mm diameter, 8 mm pin length, no groove  | 100      | £28.49     | £23         |  |
| AGG301-S-50         | Serialised, 12.5 mm diameter, 8 mm pin length   | 50       | £87.29     | £70         |  |
| Aluminium Spe       | ecimen Stubs  |          |            |             |  |
| AGG306              | For JEOL Instruments, 10 mm diameter  | 100      | £16.74     | £14         |  |
| AGG3384             | 12.5 mm diameter, 10 mm height  | 50       | £15.17     | £13         |  |
| AGG3313             | 15 mm diameter, M4 thread   | 50       | £68.45     | £55         |  |
| AGG399F             | 25 mm diameter, 6 mm pin length   | 50       | £71.89     | £58         |  |
| AGG3377             | 25 mm diameter, M4 thread   | 50       | £60.37     | £49         |  |
| AGG399              | 25 mm diameter, 8 mm pin length   | 50       | £72.24     | £58         |  |
| AGG318              | 32 mm diameter, 10 mm height  | 50       | £96.04     | £77         |  |
| AGG3318             | 32 mm diameter, M4 thread   | 50       | £113.95    | £92         |  |
| AGG3376             | 32 mm diameter, 5 mm height   | 50       | £88.96     | £72         |  |
| AGG400F             | 32 mm diameter, 6 mm pin length   | 50       | £94.22     | £76         |  |
| AGG400              | 32 mm diameter, 8 mm pin length   | 50       | £90.25     | £73         |  |
| AGG303-10           | CorrStub SEM with V-Notch for Correlative<br>Microscopy, 12.5 mm diameter, 8 mm pin<br>length | 10       | £22.76     | £19         |  |

Visit www.agarscientific.com for full specifications.



Special offer on Medline Scientific Nitrile, Powder-free Gloves:

STERINC500181: Small Nitrile Gloves, £420 for PK10,000

**STERINC500160:** Medium Nitrile Gloves, £420 for PK10,000 **STERINC500163:** Large Nitrile Gloves, £420 for PK10,000

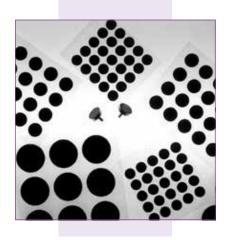
STERINC500166: Extra-Large Nitrile Gloves, £420 for PK10,000

Other types available on request.

### **Leit Carbon Adhesive Tabs**

Ideal for examining uncoated small specimens in the SEM and for microanalysis. Simply press onto a specimen stub and leave a conductive carbon adhesive when backing material is removed.

- Carbon based
- Electrically conductive
- Double sided adhesive





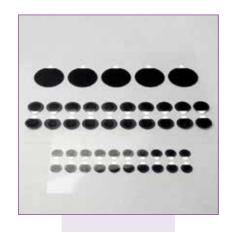
| Cat. No. | Product Description            | Quantity | List Price | Promo Price |
|----------|--------------------------------|----------|------------|-------------|
| AGG3357N | 9 mm diameter                  | 100      | £17.88     | £15         |
| AGG3347N | 12 mm diameter                 | 100      | £15.71     | £13         |
| AGG3348N | 25 mm diameter                 | 54       | £28.07     | £23         |
| AGG3111  | Roll of Carbon Discs (12.5 mm) | 250      | £79.43     | £64         |

Visit www.agarscientific.com for full specifications. Other carbon mounting methods including Leit-C and tape available.

## Leit Carbon Adhesive Tabs with Aluminium Foil Core

Highly conductive carbon adhesive tabs with 30  $\mu m$  thin aluminium core, suitable for SEM or EDX applications. The aluminium core provides a low resistance path, making these tabs especially useful for imaging and analysis applications of fine powder and fibre samples.

- Ideal for automated EDS particle analysis
- Temperature range: -20 °C to +60 °C
- High strength thin adhesive



| Cat. No. | Product Description | Quantity | List Price | Promo Price |
|----------|---------------------|----------|------------|-------------|
| AGG3357A | 9 mm diameter       | 100      | £39.74     | £32         |
| AGG3347A | 12 mm diameter      | 100      | £47.01     | £38         |
| AGG3348A | 24 mm diameter      | 50       | £39.74     | £32         |

 $Visit\ www. agarscientific. com\ for\ full\ specifications.\ Other\ carbon\ mounting\ methods\ including\ Leit-C\ and\ tape\ available.$ 



### Formvar® Coated Grids

Formvar® coated grids without a carbon layer, suitable for TEM applications up to 100 kV.

- Available on Copper, Nickel and Gold grids
- 75, 100, 200, 300 and 400 mesh
- 3 mm F1 or H7 Finder grid options



| Cat. No. | Product Description          | Quantity | List Price | Promo Price |
|----------|------------------------------|----------|------------|-------------|
| AGS138   | 3 mm, 200 Mesh, Copper Grids | 25       | £48.29     | £39         |
| AGS138-3 | 3 mm, 300 Mesh, Copper Grids | 25       | £48.84     | £39         |
| AGS138-4 | 3 mm, 400 Mesh, Copper Grids | 25       | £91.98     | £74         |
| AGS138A  | 3 mm, 200 Mesh, Gold Grids   | 25       | £72.64     | £59         |
| AGS138A3 | 3 mm, 300 Mesh, Gold Grids   | 25       | £72.74     | £59         |
| AGS138A4 | 3 mm, 400 Mesh, Gold Grids   | 25       | £85.48     | £69         |
| AGS138N  | 3 mm, 200 Mesh, Nickel Grids | 25       | £53.17     | £43         |
| AGS138N3 | 3 mm, 300 Mesh, Nickel Grids | 25       | £54.35     | £44         |
| AGS138N4 | 3 mm, 400 Mesh, Nickel Grids | 25       | £97.85     | £79         |

Visit www.agarscientific.com for full specifications. Films can be applied to other grid sizes, material or type.

### **Carbon Coated Films**

Thin and highly transparent to electrons, offering fine grain and low contrast which does not interfere with specimen structure.

- Carbon Coating is 16-18 nm
- Supplied as packs of 25 or 50 grids in a grid box
- Carbon support films can be applied to other grid sizes, material or type



| Cat. No. | Product Description          | Quantity | List Price | Promo Price |
|----------|------------------------------|----------|------------|-------------|
| AGS160   | 3 mm, 200 Mesh, Copper Grids | 50       | £99.26     | £80         |
| AGS160-3 | 3 mm, 300 Mesh, Copper Grids | 50       | £101.02    | £81         |
| AGS160-4 | 3 mm, 400 Mesh, Copper Grids | 50       | £104.63    | £84         |
| AGS160A  | 3 mm, 200 Mesh, Gold Grids   | 50       | £193.19    | £155        |
| AGS160A3 | 3 mm, 300 Mesh, Gold Grids   | 50       | £215.24    | £173        |
| AGS160A4 | 3 mm, 400 Mesh, Gold Grids   | 50       | £210.21    | £169        |
| AGS160N  | 3 mm, 200 Mesh, Nickel Grids | 50       | £108.78    | £88         |
| AGS160N3 | 3 mm, 300 Mesh, Nickel Grids | 50       | £136.49    | £110        |
| AGS160N4 | 3 mm, 400 Mesh, Nickel Grids | 50       | £184.44    | £148        |

Visit www.agarscientific.com for full specifications. Films can be applied to other grid sizes, material or type.

### Formvar®/Carbon Coated Films

Thin cast films of Formvar, which have been strengthened with an additional layer of evaporated carbon, providing extra resilience and strength compared with carbon films. Recommended for use where the grid requires several processing steps during specimen preparation.





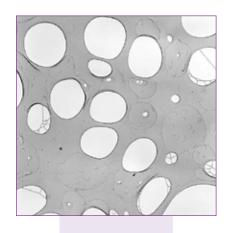
| Cat. No. | Product Description          | Quantity | List Price | Promo Price |
|----------|------------------------------|----------|------------|-------------|
| AGS162   | 3 mm, 200 Mesh, Copper Grids | 50       | £172.83    | £139        |
| AGS162-3 | 3 mm, 300 Mesh, Copper Grids | 50       | £130.37    | £105        |
| AGS162-4 | 3 mm, 400 Mesh, Copper Grids | 50       | £158.06    | £127        |
| AGS162A  | 3 mm, 200 Mesh, Gold Grids   | 50       | £215.64    | £173        |
| AGS162A3 | 3 mm, 300 Mesh, Gold Grids   | 50       | £305.46    | £245        |
| AGS162A4 | 3 mm, 400 Mesh, Gold Grids   | 50       | £215.64    | £173        |
| AGS162N  | 3 mm, 200 Mesh, Nickel Grids | 50       | £221.33    | £178        |
| AGS162N3 | 3 mm, 300 Mesh, Nickel Grids | 50       | £165.30    | £133        |
| AGS162N4 | 3 mm, 400 Mesh, Nickel Grids | 50       | £221.33    | £178        |

Visit www.agarscientific.com for full specifications. Films can be applied to other grid sizes, material or type.

### **Holey Carbon Films**

Particularly suited for applications where mesh sizes of standard TEM grids are too large to support the sample, and where continuous carbon films inelastically scatter electrons and contribute to background noise.

- Holes of various sizes to provide support
- Increased image contrast in regions of holes compared to regions of films
- Typical applications: Biological and materials science and Cryo-TEM



| Cat. No. | Product Description          | Quantity | List Price | Promo Price |
|----------|------------------------------|----------|------------|-------------|
| AGS147   | 3 mm, 200 Mesh, Copper Grids | 50       | £136.04    | £109        |
| AGS147-3 | 3 mm, 300 Mesh, Copper Grids | 50       | £136.04    | £109        |
| AGS147-4 | 3 mm, 400 Mesh, Copper Grids | 50       | £136.04    | £109        |
| AGS147A  | 3 mm, 200 Mesh, Gold Grids   | 50       | £166.38    | £134        |
| AGS147A3 | 3 mm, 300 Mesh, Gold Grids   | 50       | £166.38    | £134        |
| AGS147A4 | 3 mm, 400 Mesh, Gold Grids   | 50       | £242.34    | £194        |
| AGS147N  | 3 mm, 200 Mesh, Nickel Grids | 50       | £151.17    | £121        |
| AGS147N3 | 3 mm, 300 Mesh, Nickel Grids | 50       | £151.17    | £121        |
| AGS147N4 | 3 mm, 400 Mesh, Nickel Grids | 50       | £151.17    | £121        |

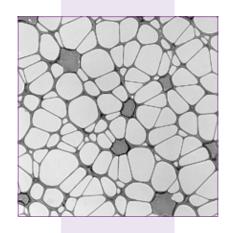
Visit www.agarscientific.com for full specifications. Films can be applied to other grid sizes, material or type.



## **Lacey Carbon Films**

Lacey Carbon Films offer a greater percentage of open area in comparison to Holey Carbon Films. Offering the thinnest possible support film, while maintaining adequate strength and giving practically no background interference in the TEM. For use where structure-free background is important.

Applications: Studying nanotubes, acicular crystals and biological/materials specimens.



| Cat. No. | Product Description          | Quantity | List Price | Promo Price |
|----------|------------------------------|----------|------------|-------------|
| AGS166   | 3 mm, 200 Mesh, Copper Grids | 50       | £138.35    | £111        |
| AGS166-3 | 3 mm, 300 Mesh, Copper Grids | 50       | £138.35    | £111        |
| AGS166-4 | 3 mm, 400 Mesh, Copper Grids | 50       | £138.35    | £111        |
| AGS166A  | 3 mm, 200 Mesh, Gold Grids   | 50       | £171.46    | £138        |
| AGS166A3 | 3 mm, 300 Mesh, Gold Grids   | 50       | £171.46    | £138        |
| AGS166A4 | 3 mm, 400 Mesh, Gold Grids   | 50       | £171.46    | £138        |
| AGS166N  | 3 mm, 200 Mesh, Nickel Grids | 50       | £169.56    | £136        |
| AGS166N3 | 3 mm, 300 Mesh, Nickel Grids | 50       | £156.23    | £125        |
| AGS166N4 | 3 mm, 400 Mesh, Nickel Grids | 50       | £156.23    | £125        |

Visit www.agarscientific.com for full specifications. Films can be applied to other grid sizes, material or type.

## **Bimos Neon Laboratory Chairs**

Bringing comfort, design and efficiency to your laboratory. With excellent seating comfort and ergonomics, the Neon chairs can be perfectly adapted to each users' requirements for support and comfort. Interchangeable upholstery elements provide sustainability and flexibility.

- Ergonomic and flexible
- Robust and durable
- Washable and resistant to disinfectants
- Material: Artificial leather upholstery element, black (MG01)
- Seat inclination adjustable up to 9°
- Seat depth adjustment of 60 mm
- Backrest adjustable in height



| Cat. No.       | <b>Product Description</b>            | Seat Height Adjustment | List Price | Promo Price |
|----------------|---------------------------------------|------------------------|------------|-------------|
| 9573-3279-MG01 | Bimos Neon 2 with castors             | 450-620 mm             | £892.55    | £449        |
| 9571-3279-MG01 | Bimos Neon 3 with glides and footrest | 590-870 mm             | £995.76    | £499        |

 $\label{thm:condition} \mbox{Visit www.sciquip.co.uk for full specifications.}$ 

## **Bimos Labsit Laboratory Chairs**

Cost-efficient and hygienic design make the Labsit chairs an optimum choice for any laboratory. Extremely light, functional and compact with 3D-Flex-Backrest. Cleanroom and GMP compatible.

- Resistant to disinfectants
- Easy-care
- Robust and durable
- Synthetic backrest with 3D-Flex function and 420 mm height
- Seat upholstery: Integral foam (PU) black
- Seat shell colour in blue (3277)





| Cat. No.           | <b>Product Description</b>                            | Seat Height Adjustment | List Price | Promo Price |
|--------------------|---|------------------------|------------|-------------|
| 9123-2000-3277-521 | Bimos Labsit 2 with castors                           | 450-650 mm             | £399.43    | £199        |
| 9125-2000-3277-521 | Bimos Labsit 4 with stop and go castors, and footring | 560-810 mm             | £493.46    | £249        |

Visit www.sciquip.co.uk for full specifications.

## **Bimos Labsit Laboratory Stools**

Cost-efficient and hygienic design make the Labsit stools an optimum choice for any laboratory. Cleanroom and GMP compatible. Resistant to disinfectants.

- Robust and durable
- Stable aluminium base
- Load dependent braked soft castors for hard floors



| Cat. No.      | <b>Product Description</b>         | Seat Height Adjustment | List Price | Promo Price |
|---------------|------------------------------------|------------------------|------------|-------------|
| 9127-2000-521 | Bimos Labsit Stool<br>with castors | 450-650 mm             | £307.68    | £155        |

Visit www.sciquip.co.uk for full specifications.

## **Laboratory Gloves**



We offer a variety of gloves to suit many laboratory applications including:

- Powder-free nitrile, neoprene and latex
- Chemically resistant
- Biodegradable powder-free nitrile

Discover more on www.medlinescientific.com.



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