



Inspired Solutions for COLD STORAGE

LABORATORY PRODUCTS AND SERVICES FOR +4 °C TO -196 °C



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Inspired Solutions for Cold Storage

We offer a very wide range of equipment designed to meet the demanding requirements of laboratory cold storage... from +4 °C underbench, upright pharmacy and spark-free fridges to -150 °C chest freezers and -196 °C cryogenic vessels. Here, we've highlighted just a small number of popular models from well-known manufacturers available within our portfolio.

You'll also find secure sample storage solutions from LVL Technologies and high quality PPE.

Don't see what you need?

Please contact your Regional Account Manager to discuss your requirements and to request a quotation.

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+4 °C Storage, Underbench Fridges

Lec Medical LSFSR158BT-UK Spark-free Underbench Fridge

Lec's new Bluetooth-enabled range provides improved user connectivity options for temperature monitoring.

End users can connect to the fridge via the Lec Medical App: simply download the App. Software continuously monitors, records, and automatically stores temperature readings and alarm history. Users can read and reset temperature readings, and change temperature set points via the App.

- Temperature range: 2 °C to 10 °C
- Spark-free interior and door lock
- Touch screen external temperature controller: read and reset; min/max temperature readings; etc.
- Simple download of temperature history and alarm history via App
- Two-year parts and labour warranty

Improved user connectivity options

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
LEC444411358	LSFSR158BT-UK Fridge with 4 Grid Shelves	158/154	595x660x850

Other models available in the range. Please enquire.

Liebherr MediLine LKUexv 1610 Spark-free Underbench Fridge

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.

- Temperature range: 3 °C to 16 °C with automatic defrost
- Spark-free interior (ATEX 95 certification)
- Precise temperature controller with integrated data memory
- Reversible door with lock
- Audio-visual alarms for temperature and door
- Two-year parts and labour warranty

Precise 0.1 °C temperature setting accuracy

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
LIEBLKUEXV1610	LKUexv 1610 Fridge with 4 Glass Shelves	141/130	601x618x820

Other models available in the range. Please enquire.



+4 °C Storage, Upright Fridges

Lec Medical PPGR310BT-UK Pharmacy Plus Upright Fridge

Lec's new Bluetooth-enabled range provides improved user connectivity options for temperature monitoring.

End users can connect to the fridge via the Lec Medical App: simply download the App. Software continuously monitors, records, and automatically stores temperature readings and alarm history. Users can read and reset temperature readings, and change temperature set points via the App.

- Temperature range: 2 °C to 8 °C
- Glass door with lock
- Simple download of temperature history and alarm history via App
- Power failure alarm with backup battery powered recording
- Intelligent fan management system for enhanced performance
- Five-year parts and labour warranty

Improved user connectivity options

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
LECPPGR310BT	PPGR310BT-UK Pharmacy Fridge with Glass Door, 5 Wire Shelves, 1 Wire Basket	310/305	595x660x1500

Other models available in the range, including solid door options. Please enquire.

Liebherr SRFfg 4001 Spark-free Upright Fridge

Ideal for basic laboratory requirements, the SRFfg fridge provides good temperature stability (EN 60068-3) and is suitable for storing flammable materials. Features forced air cooling and automatic defrost.

- 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

Suitable for storing flammable materials

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
LIEBSRFFG4001	SRFfg 4001 Upright Freezer with 5 Grid Shelves	394/298	597x654x1884



Fridge Freezers

Lec Medical LSFSC280BT-UK Fridge Freezer

Lec's new Bluetooth-enabled range provides improved user connectivity options for temperature monitoring.

End users can connect to the fridge freezer via the Lec Medical App: simply download the App. Software continuously monitors, records, and automatically stores temperature readings and alarm history. Users can read and reset temperature readings, and change temperature set points via the App.

- Temperature range: +2 °C to +10 °C / -18 °C to -25 °C
- Spark-free interior, door locks, and two access ports
- Touch screen external temperature controller: read and reset; min/max temperature readings; etc.
- Simple download of temperature history and alarm history via App
- Two-year parts and labour warranty

Fridge compartment: 3 wire shelves; 1 basket; capacity: 182/178 L

Freezer compartment: 3 HIPS drawers; capacity: 98/84 L

Improved user connectivity options

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
LEC444411369	LSFSC280BT-UK Laboratory Plus Fridge Freezer	280/262	595x660x1660



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 to UKAS standards

Please contact our dedicated Service Team for more information: enquiries@medlinescientific.com



LIEBHERR

Liebherr MediLine LCexv 4010 Spark-free Fridge Freezer

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 interior (ATEX 95 certification)
- 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

Precise temperature control

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
LIEBLCEXV4010	LCexv 4010 MediLine Spark-free Fridge Freezer	361/345	601x618x2003



Refrigeration – Breakdown Services

We are on hand if your lab equipment fails or falters with flexible contractual solutions and our call-out repair service. Bespoke options available for all major brands of laboratory fridges and freezers (+4 °C to -150 °C).

- Servicing and breakdown contracts
- Extended warranty options
- Repairs and call-outs for all major brands

Contact our dedicated Service Team for more information: enquiries@medlinescientific.com



-20 °C Storage, Underbench

Lec Medical LSF98BT-UK Underbench Spark-free Freezer

Lec's new Bluetooth-enabled range provides improved user connectivity options for temperature monitoring.

End users can connect to the freezer via the Lec Medical App: simply download the App. Software continuously monitors, records, and automatically stores temperature readings and alarm history. Users can read and reset temperature readings, and change temperature set points via the App.

- Temperature range: -18 °C to -25 °C
- Spark-free interior, door lock and access port
- Touch screen external temperature controller: read and reset; min/max temperature readings; etc.
- Simple download of temperature history and alarm history via App
- Two-year parts and labour warranty

Improved user connectivity options

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
LEC444411352	LSF98BT-UK Freezer with 3 Glass Shelves, 2 Baskets	98/84	595x660x850

Other models available in the range. Please enquire.

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
- Two-year parts and labour warranty

Precise 0.1 °C temperature setting accuracy

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
LIEBLGUEX1500	LGUex 1500 Freezer with 3 Drawers, 1 Basket	139/129	601x618x820

Other models available in the range. Please enquire.



-20 °C Storage, Upright Freezers

Lec Medical LSFSF312BT-UK Spark-free Upright Freezer

Lec's new Bluetooth-enabled range provides improved user connectivity options for temperature monitoring.

End users can connect to the freezer via the Lec Medical App: simply download the App. Software continuously monitors, records, and automatically stores temperature readings and alarm history. Users can read and reset temperature readings, and change temperature set points via the App.

- Temperature range: -18 °C to -25 °C
- Spark-free interior, door lock and access port
- Touch screen external temperature controller: read and reset; min/max temperature readings; etc.
- Simple download of temperature history and alarm history via App
- Two-year parts and labour warranty

Improved user connectivity options

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
LEC444411352	LSFSF312BT-UK Freezer with 8 Drawers	312/290	595x660x1935

Other models available in the range. Please enquire.

Liebherr SFFfg 4001 Spark-free Upright Freezer

Ideal for basic laboratory requirements, the SFFFG freezer provides good temperature stability (EN 60068-3) and is suitable for storing flammable materials. Features static cooling and manual defrost.

- Temperature range: -9 °C to -30 °C
- Natural, environmentally friendly refrigerants: R290
- External digital display
- Reversible door with lock
- Audio-visual alarms for temperature and malfunction

Suitable for storing flammable materials

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
LIEBSFFFG4001	SFFfg 4001 Upright Freezer with 5 Shelves	316/242	597x654x1884



-80 °C Storage, Portable Freezers

Stirling Ultracold ULT25NEU Portable ULT Freezer

The only truly portable ULT freezer available for bringing cold chain sample and drug storage to patients and remote sites. Lightweight and flexible: Plugs into any 110V-240 V outlet, worldwide, and can even run on 12 V DC power (with vehicle adapter) or alternative-energy power sources.

- Wide temperature range: -20 to -86 °C
- Energy efficient: <2.8 kWh/day at -80 °C (steady state)
- Natural refrigerants

Lightweight portable design—perfect for clinical point-of-use cold storage

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
STIRULT25NEU	ULT25NEU Portable ULT Freezer	25	693x350x460



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 our solutions on www.medlinescientific.com



-80 °C Storage, Underbench and Bench Top Freezers

Stirling Ultracold SU105UE Underbench ULT Freezer

The Stirling Ultracold SU105UE underbench ultra-low temperature (ULT) freezer is ideal for bench-side personal storage or for use in areas where larger-volume ULTs are not suitable. This space-saving freezer delivers full-performance ULT storage for bench top, stacked or underbench configurations.

The SU105UE features the innovative free-piston Stirling engine technology for highly reliable ULT storage with only a few moving parts, no oil, and no compressors.

- Wide temperature range: -20 to -86 °C
- Ideal for transitioning biological materials to warmer temperatures
- Fast pull-down and door-opening recovery performance
- Energy efficient: < 4 kWh/day at -80 °C (steady state)
- Natural refrigerants

Energy efficient with natural refrigerants

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
STIRSU105UE	SU105UE Compact ULT Freezer	105	864x711x686



ULT Freezer Hire

Our customers can hire ULT freezers on a temporary basis to assist with the following types of on-site activities:

- Whilst defrosting and/or cleaning your unit(s)
- When introducing/updating your inventory management system
- If your freezer is being repaired
- To meet the requirement for short-term, increased storage capacity for a project

Find out about our short-, medium- and long-term solutions:
enquiries@medlinescientific.com



Infrico MDULF11086 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 CO₂ 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
- Visual and acoustic alarms for: power failure; temperature deviations; probe failure; open door after 10-60 seconds; low battery; and filter saturation

Natural HC refrigerants

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
MDULF11086	ULF11086 Compact ULT Freezer with 1 Shelf and 2 Inner Doors	110	1092x783x820

Arctiko ULUF P50 ULT Freezer

The compact ULUF P50 enables easy access to samples and is ideal for placing under or on your table/ counter, or near your working stations. Single compressor technology with a simple design ensures easy maintenance, lower heat dissipation, and noise reduction. Self-diagnostic function confirms that the alarm system is always working correctly. Stores up to 6,000 samples.

- Wide temperature range: -25 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
- Filterless construction
- Handle designed for one-handed opening and door lock

Natural refrigerants with low GWP*

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
ARC1000013	ULUF P50 Compact ULT Freezer	50	657x778x836

Other models available in the range, including the 88 L ULUF P90 freezer. Please enquire.
*Global Warming Potential



-80 °C Storage, Large Capacity

Stirling Ultracold SU780XLE ULT Freezer

A reliable, energy- and space-efficient upright ultra-low temperature (ULT) freezer with a wide temperature range of -20 to -86 °C and natural refrigerants.

The SU780XLE 780L freezer has recently 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

[Please contact us to view the full report](#)

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
STIRSU780XLE	SU780XLE ULT Freezer	780	915x870x1994

Infrico -86 °C ULT Freezers

These freezers reliably maintain a stable, set temperature down to -86 °C and feature natural, biodegradable HC cooling gases. With its advanced features, the range is suitable for long-term storage of high-value materials and samples.

Models incorporate two independent refrigeration systems which, combined with an optional liquid CO₂ backup system, provide a critical level of protection.

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

Two independent refrigeration systems

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
MDULF70086	LabCare+ ULF70086 ULT Freezer	700	1276x957x1986
MDULF80086	LabCare+ ULF80086 ULT Freezer	800	1380x915x1986

Other models available in the range. Please enquire.



Arctiko ULUF P500GG ULT Freezer

The ULUF P500 GG -86 °C freezer 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
- Filterless construction
- Handle designed for one-handed opening and door lock

Natural GG20 refrigerants with low GWP*

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
ARC1000016	ULUF P500GG ULT Freezer with 3 Adjustable Shelves***	500	895x859.5/1002**x1999

Other models available in the range, including 385 L, 614 L, and 819 L freezers. Please enquire.

*Global Warming Potential <4. ** Depth of 1002 mm includes detachable airflow management and noise reduction system.

*** Supplied with 3 shelves: 2 fixed; 1 adjustable. Max. number of shelves: 5.

Arctiko ULTF 220 ULT Chest Freezer

Single compressor technology and filterless construction ensure easy maintenance, lower heat dissipation, and noise reduction.

- Wide temperature range: -40 to -86 °C
- Advanced controller with integrated alarms and data logging
- USB and RS485 ports, access port, and door lock
- Visual and acoustic alarms for: power failure; temperature deviations; door open; probe failure; and low battery
- Sub lids to minimise temperature increase on lid opening

Natural refrigerants

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
ARC1100002	ULUF 220 ULT Chest Freezer with 3 Inner Lids	189	920x691x890

Other models available in the range, including 71 L, 284 L, and 368 L freezers. Please enquire.



Freezer Racking

Organising stored samples with suitable ULT racking and an inventory management system 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.

Knowing where the item you need is located can save you time and energy

Types of Freezer Storage

Horizontal Racks

Horizontal racks for ULT freezers allow users to make maximum use of the storage space in their 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



Freezer Racking, continued

Coloured Racks

Colour-coded racking can assist with freezer organisation and facilitate sharing. They 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

We've outlined some of the options available, but please get in touch for more information or to request a quotation

-150 °C Storage, Chest Freezers

Arctiko CRYO 230® Cryogenic Freezer

CRYO 230® cryogenic freezer offers a wide variety of research and long-term storage applications for ultra-low temperature scientific experiments, preservation of cells, DNA, bone material and bacteria.

Reliable cryogenic freezer with independent, TRUE DUAL™ technology providing the ultimate security for your samples. In the unlikely event that one cooling system should fail, the second will maintain the freezer at -130 °C.

- Temperature range: -140 °C to -150 °C
- Optional chart recorder and LN₂ backup
- Lockable lid
- Filterless construction for reduced maintenance

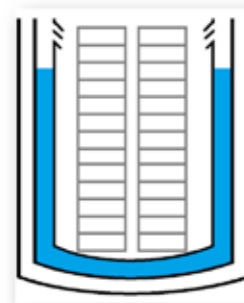
Dual cooling system

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (WxDxH, mm)
ARCDAI0198	CRYO 230® Cryogenic Chest Freezer	233	1760x960/1135*x1090

*Depth of 1135 mm includes distance fittings on back for correct air circulation.

Accessories include: Chart recorder; LN₂ backup; GSM alarm module; racks and boxes (9x9 or 10x10). See page 22 for cryo gloves.

CRYO 170®, 171 litre model also available. Please enquire.



-196 °C Storage, LN₂ Cryogenic Vessels

CBS Isothermal LN₂ Cryogenic Vessels

Isothermal liquid nitrogen cryogenic freezers provide superior sample integrity.

All models feature patented jacketed technology: LN₂ is contained in a space between the inner chamber and the middle wall of the freezer, so that the storage area remains dry. Isothermal vessels deliver excellent temperature uniformity: storage temperature variation of <6 °C from the top to the bottom of the chamber.

- Dry storage chamber: superior sample integrity and improved user safety
- No LN₂ at the bottom of the freezer: increased storage space
- Stainless steel construction
- 2301 Controller with dual temperature display and data storage

Standard models: Full opening lid provides easy access to samples.

Carousel models: Small, square hatch-style lift off lid. Ideal for laboratories with restricted ceiling height and allows the easy removal of one rack at a time. The motorised carousel rotates from exterior of the freezer, so there's no need to remove one rack to access another.

Standard models:

Model	V-1500AB	V-3000AB	V-5000AB	V-3000ABEH	V-5000ABEH
LN ₂ capacity (L)	30	70	93	89	140
Storage					
Vials	9,100	22,100	40,300	25,500	46,500
Cryo bags	434	1,120	1,936	1,280	2,208
Dimensions					
Internal, usable HxD (mm)	736 x 534	736 x 787	736 x 1016	940 x 787	864 x 1016
External, WxDxH (mm)	660 x 939 x 1143	939 x 1219 x 1206	1219 x 1371 x 1320	939 x 1219 x 1473	1219 x 1317 x 1473
Cat. No.	CBS55156V	CBS55305V	CBS55505V	CBS55305VEH	CBS55505VEH

EH models are 'extended height'.



CBS Isothermal LN₂ Cryogenic Vessels, continued

Carousel models:

Model	V-3000AB/C	V-5000AB/C	V-3000ABEH/C	V-5000ABEH/C
LN ₂ capacity (L)	70	93	89	140
Storage				
Vials	16,800	36,400	25,500	46,500
Cryo bags	876	1,736	1,280	2,208
Dimensions				
Internal, usable HxD (mm)	686 x 737	736 x 965	914 x 737	864 x 1016
External, WxDxH (mm)	939 x 1219 x 1130	1219 x 1257 x 1257	939 x 1219 x 1384	1219 x 1371 x 1384
Cat. No.	CBS77301C	CBS77501C	CBS77302CEH	CBS77502CEH

EH models are 'extended height'.

Taylor Wharton Dry Shippers

CryoExpress (CX) "dry shippers" are designed to safely transport a variety of materials at cryogenic temperatures. The unique adsorbent material prevents a liquid spill if the unit is tipped over. Storage temperature inside the shipping cavity is -190°C until the liquid nitrogen evaporates from the adsorbent material.

- Complies with IATA regulations
- Superior vacuum performance and effective insulation provides maximum holding times
- Options include: hard shell shipping case; temperature loggers
- Storage options for CXR500: five shelf rack box system and blood bag rack
- Lockable lids and robust construction

CX100 Storage time: 17-24 days; CXR500 Storage time: 7-14 days

See pages 22-23 for PPE.

Cat. No.	Product Description	Capacity (L)	Ext. Dimensions (HxDia, mm)
MD7-21	CX100 Dry Shipper	4.1	467x234
MD7-46	CXR500 Dry Shipper	6.4	693x391
MD7-4LSC	Shipping Case for CX100	—	—
MD7-47	Shipping Case for CX500	—	—

Other cryogenic vessels available; please enquire.



Sample Storage, LVL Technologies

2D Barcoded Tubes

Secure 2D barcoded tubes with complementary accessories, ideal for biobanking, cryopreservation, compound management, and more.

- 2D coded tube bottoms
- Reliable sample identifiability and traceability
- Secure storage and excellent leak tightness
- Customisable

GEN3 Tubes:

- Protective rim against mechanical influences
- 1D side code / Human readable (HR) side code
- Open space for customised coding
- SAFE® low leachables medical polypropylene

Automation compatible. Starter packs available.

Please contact us for full specifications, ordering information, and sample packs.

Model	SAFE® 96 XT			SAFE® 96 IT	
Tube	SX 300	MX 500	LX 1000	MI 500	LI 1000
Generation	GEN3	GEN3	GEN3	GEN1	GEN1
Working volume (µl)					
with screw cap	300	500	1000	480	1000
with push cap	300	500	1000	550	1070
Storage temperature (°C)					
with screw cap	-196	-196	-196	-196	-196
with push cap	-80	-80	-80	-80	-80
Side code					
Barcode 1D	N/A	Optional	Optional	Optional	Optional
HR readable	Optional	Optional	Optional	Optional	Optional
Optional sterilisation	Beta/ETO	Beta/ETO	Beta/ETO	Beta/ETO	Beta/ETO
Availability	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk

Screw caps available: Pre-capped, on Cap Rack, or bulkware.



2D Barcoded Tubes, continued

Model	SAFE® 48 XT			SAFE® 24 XT			
Tube	XLX 500	XLX 2000	XLX 4000	XXLX 2000	XXLX 4000	XXLX 6000	XXLX 8000
Generation	GEN3	GEN2	GEN1	GEN2	GEN2	GEN2	GEN2
Working volume (µl)							
with screw cap	500	2000	4000	2000	4000	6000	8000
with push cap	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Storage temperature (°C)							
with screw cap	-196	-196	-196	-196	-196	-196	-196
with push cap	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Side code							
Barcode 1D	N/A	Optional	Optional	Optional	Optional	Optional	Optional
HR readable	N/A	Optional	Optional	Optional	Optional	Optional	Optional
Optional sterilisation	Beta/ETO	Beta/ETO	Beta/ETO	Beta/ETO	Beta/ETO	Beta/ETO	Beta/ETO
Availability	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk	Rack, Bulk

Screw caps available: Pre-capped, on Cap Rack, or bulkware.

CBS Controlled Rate Freezers

Control sample freeze for cellular preservation and maintain consistency in research methods to meet GMP standards.

- Freezer rates 0.01 °C to 99.9 °C per minute
- Six pre-set easy to run freeze programs
- Temperature range +50 °C to -180 °C
- Aids in 21 CFR Part 11 compliance

Please contact us to discuss your requirements.





SAFE® Cap 8 Channel HH - Semi Automated Handheld 8-Channel Capper/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. The ergonomic design sits comfortably in the hand while the device's 8 individual motors apply or remove the SAFE tube caps on the racked tubes.

- Stable stand for storage of device and contamination-free parking of screw caps
- Eight individual motors for precise application of 7 Ncm torque for tube closure
- Power-saving mode for longer operating time in wireless mode
- Ejector plunger to release unwanted caps

Reliably decaps and caps eight tubes in parallel

Cat. No.	Product Description	Thread Type
CDC-8CH-XT-2	SAFE® Cap 8 Channel HH Capper/Decapper for SBS 96XT Tubes	External
CDC-8CH-IT-2	SAFE® Cap 8 Channel HH Capper/Decapper for SBS 96IT Tubes	Internal

4- and 6-channel versions available, as well as 1-channel manual cappers/decappers.

SAFE® Cap 96 Channel DD - Automated 96-Channel Capper/Decapper XT

An automatic 96-channel capper/decapper for SAFE® screw cap tubes with external thread. The SAFE® Cap 96 Channel XT can process a full rack of tubes in approximately 50 seconds. Its touchscreen panel provides easy navigation through the system.

Effective cap driver technology: Cap drivers have spring-loaded metal balls to optimally adapt to the caps and enable 100% leak-tight.

Innovative, low maintenance rack-to-head technology: The rack is lifted to the driver head for simplified operation.

- Opens and closes 96 caps at once
- Caps can be held or placed on a cap rack
- Operate as an integrated or standalone device
- Automated height detection and rack barcode recognition
- Small footprint

De-/capping takes ~50 seconds

Cat. No.	Product Description	Thread Type
CDC-96CH-XT-DD	SAFE® Cap 96 Channel DD for SBS 96XT	External

24- and 48-channel versions available, as well as models suitable for internal threaded tubes.



TLM 864 SAFE® Tube Laser Marker

Automation-friendly data matrix code on the bottom of storage tubes has been standard for many years. However, many users want to mark tubes with their own specific information. The TLM 864 is a fully automatic tube laser marker that delivers quick and secure labelling.

The TLM 864 can automatically laser-code SAFE® tubes in SBS 96, SBS 48 and SBS 24 formats from two sides and link the information in a database to the 2D code that was previously lasered-on during production.

The information to be applied is created and transmitted from an external PC, and the device is configured via an integrated touch screen.

- Custom double-sided laser coding
- Label up to 9 racks at once
- Remove the need to fix labels
- Flexible for three SBS/ANSI formats: SBS 96, 48 and 24
- Convenient CSV data exchange format

Up to 500 tubes per hour can be coded from nine SBS/ANSI positions

Cat. No.	Product Description	Rack Type
TLM-864	TLM 864 SAFE® Tube Laser Marker	SAFE® SBS 96, 48, 24



Real-time Temperature Monitoring

Configurable wireless systems for real-time monitoring and peace of mind.

- Scalable systems
- 24/7 protection with monitoring, logging, and alerting for all critical parameters
- Simple and intuitive dashboards and report generation

Please contact our dedicated Service Team for more information: enquiries@medlinescientific.com



Cryo-Gloves

Cryogenic protection for ultra-cold applications down to -196 °C (-320 °F). State-of-the-art materials and a multi-layered construction allow for a maximum level of thermal protection, flexibility, and dexterity which are essential features when function is important, and safety is critical.

- High performance, thermal inner lining wicks moisture away from hands, maintaining comfort over extended periods
- Safety certified to meet EU standards for CE Cat. III: EN 511, EN 388, EN 420
- Lengths: wrist, mid-arm, elbow, shoulder
- Sizes: small, medium, large, XL

Cryo-Gloves are also available in pink, where a portion of profits from PINK Product Sales goes to cancer research and support services

Cat. No.	Product Description	Colour	Sizes Available
AGC1015	Wrist Length Cryo-Gloves	Blue	Small, Medium, Large, XL
AGC1016	Mid Arm Length Cryo-Gloves	Blue	Small, Medium, Large, XL
AGC1017	Elbow Length Cryo-Gloves	Blue	Small, Medium, Large, XL
AGC1018	Shoulder Length Cryo-Gloves	Blue	Small, Medium, Large, XL

Other Cryo-Glove ranges:
 Waterproof Cryo-Gloves for working with liquid nitrogen
 Waterproof Cryo-Grip Gloves for superior dexterity and hand protection
 Cryo-LNG Gloves for industrial applications 'extended height'.

Cryo-Aprons

Cryo-Aprons offer protection for ultra-cold applications down to -196 °C (-320 °F). The aprons are lightweight for comfort and ease of movement, and are waterproof.

- Adjustable straps at the neck and waist to ensure a proper fit
- Quick-release buckles at the neck and waist for swift on/off function
- Safety certified to meet EU standards for CE Cat. III: EN 511, EN 388, EN ISO 13688
- Also available for industrial applications

Multiple lengths available for maximum safety

Cat. No.	Product Description	Colour	Sizes Available
AGC8050	Cryo-Apron, Small	Blue	Small, Medium, Large, XL
AGC8051	Cryo-Apron, Medium	Blue	Small, Medium, Large, XL
AGC8052	Cryo-Apron, Large	Blue	Small, Medium, Large, XL
AGC8053	Cryo-Apron, XL	Blue	Small, Medium, Large, XL

Also available in pink and black.



Cryo-Protection Safety Kits

The Cryo-Protection Safety Kits are available in mid-arm and elbow lengths, and include:

- Pair of waterproof Cryo-Gloves
- Cryo-Apron
- Cryo-Protection Face Shield

Available in 2 lengths

Cat. No.	Product Description	Colour	Sizes Available
AGC1012	Cryo-Protection Safety Kit - Mid Arm Length	Blue	Small, Medium, Large, XL
AGC1013	Cryo-Protection Safety Kit - Elbow Length	Blue	Small, Medium, Large, XL

Cryo-Protection Safety Kits Plus

The Cryo-Protection Safety Kits are available in 2 lengths, mid-arm and elbow, and include:

- Pair of waterproof Cryo-Gloves
- Cryo-Apron
- Cryo-Gaiters
- Cryo-Protection Face Shield

Includes Cryo-Gaiters

Cat. No.	Product Description	Colour	Sizes Available
AGC1005	Cryo-Protection Safety Kit Plus - Mid Arm Length	Blue	Small, Medium, Large, XL
AGC1006	Cryo-Protection Safety Kit Plus - Elbow Length	Blue	Small, Medium, Large, XL



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