



## LASEC® BIOBANKING SOLUTIONS

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Effective biobanking ensures safe and reliable storage of valuable specimens. Optimise your biorepository with our range of cold storage equipment to suit your advanced requirements. Organise and manage large sample quantities using our barcode scanners and inventory systems. Monitor the storage temperatures of important samples and receive notifications for temperature fluctuations using our real-time temperature monitoring devices. Use our quality cryotubes and boxes to protect sample aliquots at the first level.

## ULTRALOW STORAGE: -86°C FREEZERS



Confidently store samples in reliable ULT freezers with temperature ranges from -40°C to -86°C. We offer a wide range of sizes to overcome area restrictions and accommodate many sample capacities.

### All models have the below features:

- Port holes for external temperature monitoring devices
- Energy efficient cascade cooling system
- Quiet operation
- CFC refrigerant
- Microprocessor controls
- Audible and visual alarms for high / low-temperature alerts and self-diagnostic features
- Temperature and event recording which can be downloaded via the USB interface
- Optional CO<sub>2</sub> backup support for power outages and cryoracks for organisation



PRODUCT CODE	DESCRIPTION	STORAGE CAPACITY (2 ml VIALS)	BENEFITS
INUANU-99728JE	Blizzard upright 728 ℓ	50 000	World renowned for reliability and functionality
IHAIDW-86L388J	Salvum upright 388 ℓ	30 000	Smaller footprint utilises less space
IHAIDW-86L829	Low energy 829 ℓ ULT with inventory management system	60 000	High-value samples are easy to track using the built-in inventory system
IHAIDW-86L578ST	Twin-cooling 578 ℓ	40 000	Samples are protected in the event of compressor failure with this dual-compressor system

\* Other capacities available

Cryoracks



CO<sub>2</sub> backup

Cryogloves



## LIQUID NITROGEN STORAGE: -196°C CRYOFREEZERS



Long-term storage for samples is recommended in cryofreezers with temperature ranges from -136°C to -196°C. We offer a range of sizes to overcome area restrictions and accommodate varying sample capacities. These models are available for storage of blood bags, 2 ml, and 5 ml vials.



### Large volume, self-filling cryofreezer:

- Store in gas or liquid phase
- Monitor displays real-time temperature and liquid levels

PRODUCT CODE	DESCRIPTION	STORAGE CAPACITY (2 ml VIALS)
IHAIYDD-1800-635-F	1800 ℓ Cryofreezer, including cryoracks and cryoboxes	94 500
IHAIYDD-550-445-F	550 ℓ Cryofreezer, including cryoracks and cryoboxes	1 300

\* Other capacities available

### Aluminium alloy containers:

- High thermal efficiency promotes low liquid nitrogen consumption
- Save space with the small footprint

PRODUCT CODE	DESCRIPTION	STORAGE CAPACITY (2 ml VIALS)	ESTIMATED EVAPORATION RATE (ℓ/DAY)
IHAIYDS-175-216-F	175 ℓ Liquid nitrogen storage dewar, including cryoracks and cryoboxes	6 000	0,95
IHAIYDS-115-216-F	115 ℓ Liquid nitrogen storage dewar, including cryoracks and cryoboxes	3 600	0,94
IHAIYDS-35-125-F	35 ℓ Liquid nitrogen storage dewar, including cryoracks and cryoboxes	750	0,36
IHAIYDS-10-125	10 ℓ Liquid nitrogen dewar	100	0,42

\* Other capacities available

## REAL-TIME TEMPERATURE MONITORING DEVICE

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Receive alerts for fluctuating temperatures of Ultra Low Freezers by using RTMD. These online systems monitor your high-value samples in real-time and will trigger alerts when they detect out-of-range temperatures. Log on from any location and maintain a record of temperatures for audit purposes.

Save on costs by using the TESTO SAVERIS 2 series. This system transmits directly to the Testo Cloud (online data storage) via your WiFi network, eliminating the daily cost of data bundles.

Choose between the free basic software and the feature-rich advanced version based on your needs.

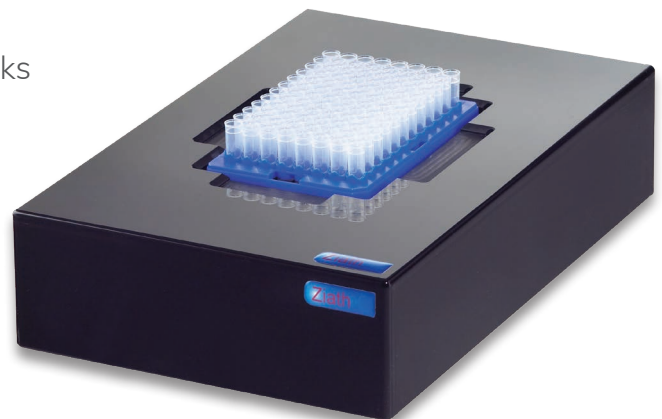


## BARCODE SCANNERS

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Our scanners are designed for easy, hassle-free setup right out of the box. With pre-calibrated precision, installation of the application software takes just minutes, allowing you to start reading all 2D Datamatrix-coded tubes immediately.

- Compatible with SLAS/ANSI standard format racks (48 and 96 wells), suitable for various lab needs
- Features a condensation reduction system with a coated glass exterior for clear scans, even for tubes directly from cold storage. Also supports single-tube scanning.
- Includes a 5-year warranty, power cable, USB cable, driver, and user manual



## CRYOTUBES

Suitable for storage in an ultra-low freezer, or in the gas phase of an LN<sub>2</sub> cryostorage tank. They are free of detectable human DNA, endotoxins, DNase and RNase. They are non-cytogenic and contain no heavy metals.



- Ultra-pure medical grade, USP class VI certified, zero leachable polypropylene
- Tubes are available with external or internal threading and come with a silicone O-ring for secure sealing
- Barcodes are customisable
- Other cap colours available: green, yellow, blue, and red
- Other sizes available: 1 ml, 4 ml, and 5 ml

PRODUCT CODE	DESCRIPTION	UOM
PGRE126263	Non-barcoded 2 ml cryotube – Freestanding, internally threaded with a clear screw cap	Pack of 500
PGRE122263-2DG	Linear and 2D barcoded 2 ml cryotube – Freestanding, internally threaded with a clear screw cap	Pack of 500

## BIOBANKING CRYOTUBES

Space-saving 2D biobanking tubes in datamatrix Cryobox with a height-reduced screw cap conserving up to 30% freezer space!



- Ultra-pure medical grade, USP class VI certified, zero leachable polypropylene
- Manual capping tool included
- Tubes have a medical grade silicone seal, with no write area or graduation
- Polycarbonate datamatrix cryobox marked with a 2D and linear barcode
- Datamatrix cryobox footprint corresponds to the microplate ANSI standard

PRODUCT CODE	DESCRIPTION	UOM
PGRE976561	2D barcoded biobanking 300 µl cryotube - internally threaded with a screw cap - in a rack	Pack of 960
PGRE977561	2D barcoded biobanking 600 µl cryotube - internally threaded with a screw cap - in a rack	Pack of 960
PGRE978561	2D barcoded biobanking 1000 µl cryotube - internally threaded with a screw cap - in a rack	Pack of 960



## CRYOBOXES



- Polypropylene or polycarbonate cryogenic boxes for compact storage
- 81-place or 100-place boxes in various colours
- Translucent lid for optimum visibility of box contents
- Suitable for ULT freezers and gas phase of LN<sub>2</sub> cryostorage tanks

PRODUCT CODE	DESCRIPTION	UOM
PGRE802202	81-place natural polypropylene for 1 or 2 ml cryotubes	EA
PGRE802204	81-place blue polypropylene for 1 or 2 ml cryotubes	EA
P2CRY002Z-100002	81-place assorted polycarbonate for 1 ml or 1.8 ml tubes	Pack of 5
P2CRY003Z-100002	100-place assorted polycarbonate with a numeric grid for 1 ml or 1.8 ml tubes	Pack of 5

\* Hinged options available

## DATAMATRIX CRYOBBOXES

- Shock-proof and temperature-resistant polycarbonate
- Choice between two lid sizes: low profile for 1 and 2 ml cryotubes; high profile for 4 ml cryotubes
- Scanning windows underneath each tube position
- Suitable for long-term freezer storage and in gas phase of LN<sub>2</sub> cryostorage tanks
- Footprint corresponding to the microplate ANSI standard



PRODUCT CODE	DESCRIPTION	UOM
PGRE803202	48-place for 1 and 2 ml tubes with low profile lid	Pack of 20
PGRE803270	48-place for 4 ml cryotubes with high profile lid	Pack of 15

