Gelida

INTELLIGENT INNOVATION OF LIQUID NITROGEN TANKS

Gelida Lite: Intelligent, integrated liquid nitrogen storage ecosystem with 24/7 monitoring

GELIDA LITE

Liquid Nitrogen Storage Ecosystem

Real-time monitoring for temperature and LN2

Instant audio, visual and digital alarms

Patient and sample tracking software enabling remote alarm

Mobile Tank Management with PDA & App

One or Two-Person Access Authentication

Centralised management via BaseStation software

Model Gelida Lite for Straws Gelida Lite for Vials	**Capacity** 47 L (10 canisters / 6 box racks)	**Net weight** Approx 20 kg
Battery life Up to 15 days	**Touch screen** 5 inch color touch display	**Storage temperature** -196° C Liquid Phase LN2

- **Enhanced Security:**
  - · Single or dual person authenticated tank access.
  - · Alerts via audio, visual and BaseStation App notification.

- **Peace of Mind:**
  - · Real time monitoring and reporting of tank fleet status with BaseStation.
  - · Automatic logging of tank access, alarms and warnings.

- **Connected Control:**
  - · Mobile management with PDA and App.
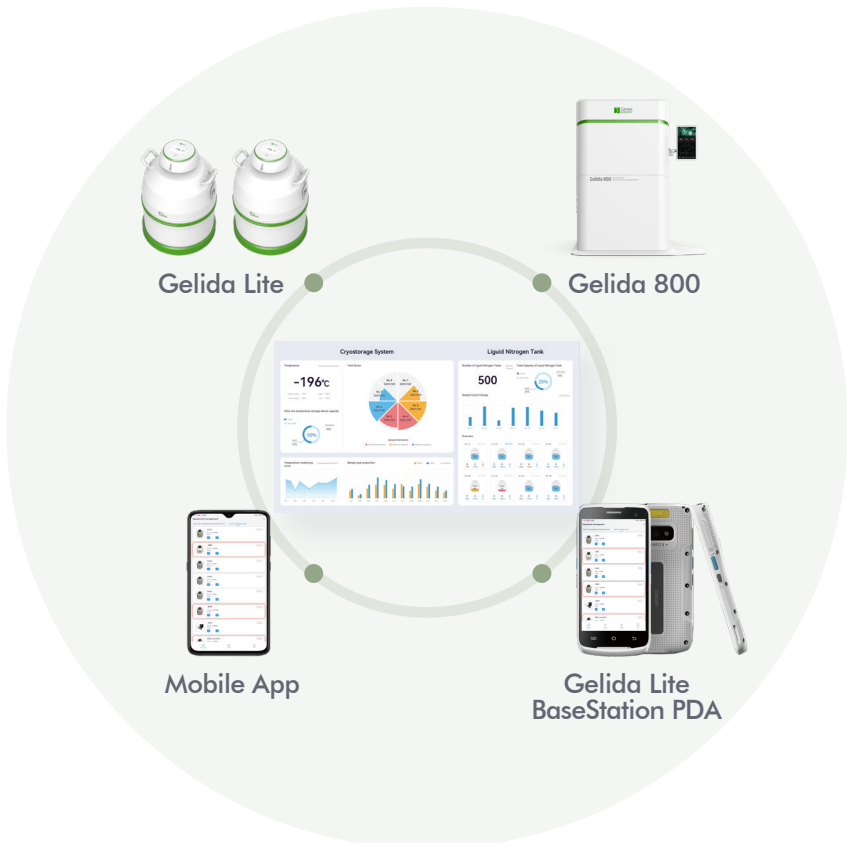 - · Centrally manage storage via BaseStation link to Gelida Ecosystem devices.

- **Wireless:**
  - · Lid designed with quick swap battery, WiFi and integrated digital temperature sensors reducing external wiring.

- **Dual Sensors:**
  - · Two temperature sensors within the tank enables security and estimation of LN2 levels.

- **Convenience:**
  - · Touchscreen enables in person access, and quick recall tank condition and status.

Gelida Lite

Gelida 800

Mobile App

Gelida Lite
BaseStation PDA

GELIDA LITE CONFIGURATIONS

MODEL	GELIDA LITE (STRAWS)	GELIDA LITE (VIALS)
Capacity (L)	47	
Bare weight	~20 kg (44 Lbs)	
Full weight	~58 kg (128 Lbs)	
Neck Diameter	127 mm (5 inch)	
Outer diameter	Approx 500 mm (19.685 inch)	
Height	Approx 710 mm (27.95 inch)	
Storage Container Type For the straws, LxDiameter and vials DxWxH	Canister 278 x 72 mm 10.95 x 2.83 inch	Rack Box Size 78 x 78 x 59 mm 3.07 x 3.07 x 2.32 inch
Amount	10	6
Screen size	5.0-inch colour 1280 × 720 capacitive multi touch	
Power supply	Battery: 5VDC Lithium Polymer Battery Charging Adapter: 100-240V~,50/60Hz,0.5A	
Unlocking mode	Digital password lock (single/dual authentication) Emergency access key	
Operation log	Automatic Recording	
Alarms	Abnormal temperature Low battery/loss of electricity Excessive tank open time	
Mode of data transmission	WiFi 802.11b/g/n AES-256 encryption algorithm	
Number of temperature sensors	2 High position and Low position within tank dewar	

PRODUCT NAME	TYPE	CONFIGURATION
Gelida Lite (Straws)	Instrument	10 Canisters
Gelida Lite (Vials)	Instrument	6 Racks
Gelida Lite Charging Hub	Instrument	Charging slots for up to 5 batteries
Gelida Lite Battery	Accessory	1 Spare Battery

Specifications for USA market are subject to regulatory approval and final product release.

GELIDA LITE BASESTATION SYSTEM

GELIDA BASESTATION SOFTWARE

All your cryotank information, visualised in one place. Centralised management and monitoring enables quickly view the temperatures, capacity, battery level, and alarms. Through the interface devices can be remotely controlled and located; features include remote single/batch unlocking, and find my tank.

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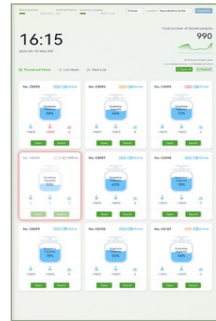
BASESTATION APP
Remote Monitoring & digitised alerts.

The BaseStation APP can be installed on Android mobile devices, enabling faster notification and response when abnormal conditions arise. Remotely view tank status, such as tank temperature, capacity, notification and alarm information.
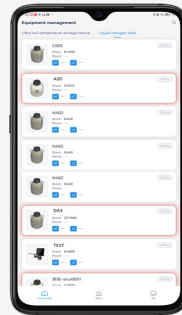
GELIDA BASESTATION PDA
BaseStation features in the palm of you hand.

The BaseStation PDA is a BaseStation Workstation you can take with you. Enabling all monitoring functions, but additionally adding tank control functions and sample management functionality. Create sample deposit and withdrawal orders, and identify sample location on the screen; the inbuilt precision saves time and supports error reduction efforts.

Device Management: Add, remove or edit basic device information, view tank capacity, tank status information, alarms, and retrieve access/operation records.

Single Sample Tracking: Patient and sample information can be viewed and filtered, using name, gender, freezing time, sample unique ID, with traceability down to location where a single sample is stored within a tank.

Sample Status: Book in deposit and withdrawal orders, select where to store a single sample, which samples to take out, and record all access statistics for tracability.


Alert Information: You can view the alarm status of all devices, including the device name, alert time, location, alert content, if a notification has been issued, alarm history, and whether the alarm is resolved.

Simplified Visuals: Quickly view the temperatures, capacity, battery level, alarms. Simplified visual interface allows for devices can be remotely controlled and quickly located; features include remote single/batch unlocking, and "Find My Tank".

User Management: Manage authorised users for all tanks in a central location. User names and passwords can be updated, deleted, and synced to all connected tanks.
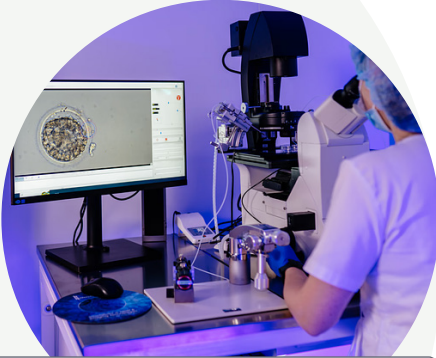
Final appearance of features are subject to change; may vary depending on specific customer implementations, version of software and lab integrations.

Gelida Lite BaseStation System enables your lab to manage Gelida Ecosystem Cryostorage Tanks and precious samples, all within one centralised digital platform.

PRODUCT NAME	TYPE	CONFIGURATION
Gelida Lite BaseStation System	Package	Gelida BaseStation Software, Gelida BaseStation PDA; APP
Gelida Lite BaseStation Software Basic	Software	Software (Centralised management of devices)
Gelida Lite BaseStation Software Professional	Software	Software (Centralised management of devices and samples)
BaseStation PDA	Accessory	-

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Please refer to the instructions for use.

For further information, please contact your Service Representative or visit:

www.geneabiomedx.com