

**Haier Biomedical**  
Intelligent Protection of Life Science

# Biobank Series Liquid Nitrogen Container

**Safe, Secure and Stable  
Cryogenic Storage  
Solutions for Biobanking.**



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## Core Features



### Intelligent Control

- Intelligent Cockpit
- 10 inch LCD Touchscreen
- Effortless operation



### Built-In Protection

- Smart LN<sub>2</sub> level monitoring
- Secure access via fingerprint and NFC card
- Autofill function



### Built-In Stability

- High-efficiency design
- Designed for gas or liquid phase
- Low evaporation rates



### Built-In Connectivity

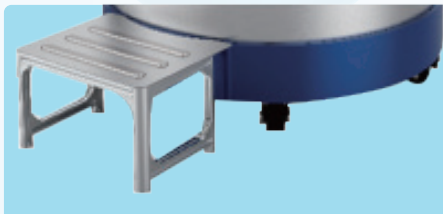
- LN<sub>2</sub> supply level monitoring if connected to YDZ tank
  - Manual and automatic LN<sub>2</sub> filling modes
- IoT connectivity for realtime temperature and level monitoring

## Ergonomic Design



### Modular

- The design allows for gas or liquid phase storage.
- When used in the gas phase, the temperature at the top of the freezing storage rack holds at -190 °C.



### Comfortable

- Split-step ladder, comfortable operating height.
- Universal casters with built-in brakes makes it ease to move and position in place.
- The hinge cover of the liquid inlet system opens with ease, saving you both time and effort.



### Innovative

- Real-time and accurate monitoring of temperature and liquid level.
- The brand new drainage design prevents the build-up of condensate water around the neck which combined with the unique exhaust design avoids frost build up around the neck.

# Intelligent Control: The CryoSmart Touchscreen – Beyond Temperature and LN<sub>2</sub> Monitoring, Total Control at Your Fingertips



## 10" High-Visibility Touchscreen

Engineered for biobank environments, the Cryobio 27 features a 10-inch touchscreen. Its crystal-clear display allows technicians to check system status and alarms at a glance - even from across the lab. The intuitive interface ensures quick, responsive control in even the most demanding workflows.

## Secure Access for Critical Samples

With CryoSmart, you control who accesses your LN<sub>2</sub> storage. Biometric fingerprint login, optional swipe card access, and customizable user profiles protect your samples from unauthorized handling. Password-protected settings and authority management tools make security effortless - without slowing down your team.



## Android-Powered Control for Total Oversight

Powered by an advanced Android-based system, the Cryobio 27 offers a user-friendly interface for seamless operation and precise control. The intuitive layout enables easy navigation, real-time tracking, and quick access to features. With enhanced customization and responsive controls, it streamlines compliance and ensures reliable performance in demanding lab environments.

## Future-Proof with Free Software Upgrades

Enjoy free standard software upgrades throughout the life of the biobank, ensuring your LN<sub>2</sub> storage container stays up-to-date with the latest features. Customers can easily upgrade themselves via USB, keeping processes efficient and minimizing downtime.

## Specifications

	Model	CryoBio 27
Maximum Storage Capacity	2ml Vials (Internal Thread)	27000
	Freezer Rack (100 Wells)	24
	Freezer Rack (25 Wells)	12
	Layers of Each Rack	10
	5ml Vials (Internal Thread)	11220
	Freeze Rack (81 Wells)	24
	Freeze Rack (25 Wells)	12
	Layers of Each Rack	5
Performance	Volume of LN <sub>2</sub> (L)	587
	Volume of LN <sub>2</sub> Under the Tray (L)	80
Dimensions	Operating Height (mm)	1070
	Usable Internal Height (mm)	600
	Inside Neck Diameter (mm)	445
	Height (mm)	1588
	Outside Diameter (mm)	1140
	Door Width Requirements (mm)	1160
	Empty Weight (kg)	420
	Full Weight (kg)	895
Others	Certification	CE

\*Haier Biomedical reserves the right to change products and specifications without prior notice.