



CryoBio 6S



Auto Fill Design



Low Liquid Nitrogen
Consumption 1.5L/day



Accurate Real-time
Monitoring

Smart Liquid Nitrogen Container with Autorefill

Scope of Application

This storage vessel minimises the need for and risks associated with manual filling.

Applications include the storage of cord blood, stem cells, car-T cells, tissues and other biomaterials within academia, pharma and clinical labs. Stores up to 6,000 2ml cryovials (internally-threaded).

Innovative Design

- ◎ 1 year parts warranty; 5 years vacuum warranty.
- ◎ Designed for both liquid and vapor phase storage.
- ◎ The one-button defogging function makes it easier to find samples.

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Product Advantages



Auto fill design

The auto-fill function can eliminate the need for manual filling and associated health safety risks.



Accurate real-time monitoring

Equipped with a brand-new intelligent monitor, it detects and records in real-time both temperature and liquid level, and automatically saves data, including re-fill and alarm notifications for up to 5 years.



Low liquid nitrogen consumption 1.5L/day

Advanced vacuum and heat preservation technologies ensure an industry-leading low consumption of liquid nitrogen in the container and the stability of temperature in the sample freezing space, to maximize efficiency and reduce operating costs. The temperature at the top of the freezing rack can reach -190°C, and the average consumption of liquid nitrogen is only 1.5L.

Ergonomic Design

- Designed for both liquid and vapor phase storage
- The one-button defogging function makes it easier to find samples
- Automatic data saving and USB data (temperature, liquid level, alarm records and other data) export are supported
- Sealed centralized exhaust system minimizes frost build up
- A battery-back up as standard, the controller can function for up to 8 hours without mains power
- 1 year parts warranty; 5 years vacuum warranty
- The multi-lock structure makes the sample storage safer
- With hot gas bypass function, reduces the temperature fluctuation in the tank when liquid nitrogen is filled, enhancing sample security
- A complete data recording system allows users to check the temperature, liquid level, and alarm records at any time
- With multiple alarm functions such as high and low temperature, high and low liquid level, and real-time audio/visual alarms

Product Parameters

Model	Volume of LN ₂ (L)	Inside Neck Diameter (mm)	Height (mm)	Outside Diameter (mm)	Empty Weight (kg)
CryoBio 6S	175	216	1490	681	78
Working Evaporation (L/Day)	Static Evaporation (L/Day)	2ml Vials (Internal Thraed)	Square Rack	Layer of Square Rack	
1.5	0.95	6000	6	10	

Product List

Model	Product	Product Model	Description and Accessories
CryoBio 6S	Biobank Freezer	CryoBio 6S	CryoBio 6S tank, includes 6 racks with 10 layers, 9*9 cryoboxes, lockable cap and controller. No Pu bag. 5 wheels roller base, transfer hose GRG-DN10/2.0 and one tier step are also included.
	Biobank Freezer	CryoBio 6S	CryoBio 6S tank, with lockable cap and controller. no pu bag. no racks or cryoboxes. 5 wheels roller base, transfer hose GRG-DN10/2.0 and one tier step are included.
	Rack	FTT-81-10H	Used for storing 9*9 cryo boxes (2ml). 10 layers in total. with 9*9 cryo boxes included, suitable for YDS-175-216, CryoBio 6S
	Rack	FTT-81-5/5.0H	Used for storing 9*9 cryo boxes (5ml), 5 layers in total, with 9*9 cryo boxes included, suitable for YDS-175-216. CryoBio 6S
	175	One step ladder	One tier step, suitable for CryoBio 6S
	Roller Base	YSC-685-5W	Suitable for all 65L-175L aluminium tank, equipped with 5 universal wheels

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