



CryoBio 6S



Auto Fill Design



Low Liquid Nitrogen
Consumption 1.5L/day



Accurate Real-time
Monitoring

Smart Series Liquid Nitrogen Container

Scope of Application

This storage vessel minimizes 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 autofill 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 high-vacuum multi-layer heat preservation technology, as well as advanced vacuum acquisition and vacuum maintenance technology, ensure the low consumption of liquid nitrogen in the container and the stability of temperature in the sample freezing space. 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.

Specifications

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

* The static evaporation rate and static holding time are nominal. The actual rate and holding time will be affected by the nature of use, ambient conditions and manufacturing tolerances.