

CryoBio Biobank Series Liquid Nitrogen Container

CryoBio 43R



Automatic Operation



Multi-Security



Optional Intelligent Monitoring
Terminal



CryoBio 43R

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Product Advantages



Product Advantages

Innovative auto functions (lid opening, rotation, extraction, Refill) enable effortless, efficient sample retrieval.



Multi-Security

Automatic winding-applied insulation plus vacuum multi-layer insulation ensures consistent thermal performance. User-centric design enables uninterrupted operation during power outages.



Optional Intelligent Monitoring Terminal

Optional IoT module enables real-time liquid level & temperature monitoring, multi-level user management, auto-alerts and one-click defogging.



User-friendly Design



Safety

- Real-time sample monitoring & remote alerts (optional)
- Extractor laser positioning for precise cryo-rack retrieval
- One-click emergency stop for safe, reliable operation
- 3-level circuit protection



Convenience

- Wireless data transmission & remote monitoring (optional)
- One-click lid open/close for effortless operation
- One-click zone selection, tray rotates to target position
- One-click defogging for precise sample retrieval

Technical Parameters

Max. Storage Capacity	
The Quantity of 2ml Internal - thread Cryogenic Vials	42900
Number of Freezer Racks (100 cells/box)	32
Number of Freezer Racks (25cells/box)	4
Layers per Shelf	13
Number of 5ml Freezing Tubes (slim type)	18844
Number of Freezer Racks (81cells/box)	32
Number of Freezer Racks (25cells/box)	4
Layers per Shelf	7
Performance	
Effective Volume (L)	900
Amount of Liquid Nitrogen in Bottom of Tray (L)	150
Tank Operating Height (mm)	980
Internal Effective Height (mm)	780
Size	
Diameter of Opening (mm)	465
Overall Height (mm)	2750
Outer Diameter (mm)	1190
Door Width (mm)	1210
Empty Weight (kg)	585
Full Weight (kg)	1313