

Cubia Liquid Nitrogen Storage Container — Rack Series

A cost-effective solution for liquid-phase storage in cell therapy laboratories and small-to-medium cell banks, the Cubia liquid nitrogen storage container features aluminum alloy construction with multi-layer insulation for ultra-low liquid nitrogen consumption and reduced operating costs. Standard square canisters are compatible with standard cryo boxes, enabling organized sample management and batch retrieval. Compact and lightweight, the Cubia can be flexibly placed in cell culture labs, QC rooms, and other space-constrained environments, ideal for routine sample storage, backup preservation, and laboratory-scale biobanking applications.

Key Features

- Standard square canisters compatible with standard cryo boxes for organized sample management
- Ultra-low LN₂ consumption reduces operating costs for biological sample storage
- Compact and lightweight, ideal for flexible lab placement
- Standard lockable lid prevents unauthorized access
- Optional level/temperature monitor enhances sample security
- Optional cart for easy movement within the laboratory
- Liquid-phase storage maintains stable -196 °C temperature
- 2-year product warranty; 5-year vacuum warranty
- Multiple capacity options to meet diverse biobanking scale requirements



Specifications

Small Capacity Models

Model	Cubia-30	Cubia-35	Cubia-47	Cubia-50
LN2 Volume (L)	30	35	47	50
Static Evaporation Rate (L/day)	0.33	0.36	0.36	0.36
Static Hold Time (days)	95	99	131	139
Neck Opening (mm)	125	125	127	125
Height (mm)	736	805	730	835
External Diameter (mm)	451	451	508	508
Empty/Full Weight (kg)	16.4/46	18.2/49	19.2/57	21.3/69
No. of Canisters	6	6	6	6
Canister Levels	4	5	5	9
2 mL Cryovial Capacity	~750	~900	~1200	~1500
Standard	6 x 4-tier 25-cell Canisters, Lockable Lid	6 x 5-tier 25-cell Canisters, Lockable Lid	6 x 5-tier 25-cell Canisters, Lockable Lid	6 x 6-tier 25-cell Canisters, Lockable Lid

Medium Capacity Models

Model	Cubia-65	Cubia-95	Cubia-115	Cubia-120	Cubia-145	Cubia-175
LN2 Volume (L)	65	95	120	120	145	175
Static Evaporation Rate (L/day)	0.78	0.81	0.85	0.85	0.85	0.87
Static Hold Time (days)	83	117	141	141	171	202
Neck Opening (mm)	216	216	216	216	216	216
Height (mm)	820	840	890	1095	1040	1090
External Diameter (mm)	584	678	678	584	678	678
Empty/Full Weight (kg)	30.3/102	44.9/130	47.9/155	40.4/160	55.9/180	57.4/214
No. of Canisters	4	6	6	4	6	6
Canister Levels	5	5	6	10	8	10
2 mL Cryovial Capacity	~2400	~3000	~3600	~3600	~4800	~6000
Standard	6 x 4-tier 81-cell Canisters, Lockable Lid	6 x 5-tier 81-cell Canisters, Lockable Lid	6 x 6-tier 81-cell Canisters, Lockable Lid	4 x 10-tier 81-cell Canisters, Lockable Lid	6 x 8-tier 81-cell Canisters, Lockable Lid	6 x 10-tier 81-cell Canisters, Lockable Lid