



# Liquid Nitrogen Storage Systems

## Medium Sized Storage Series



### Key Features

- Durable aluminum construction
- Compatible with all major cryogenic box brands
- Large opening diameter and large capacity
- Ultra-low evaporation loss
- 65 litre to 175 litre capacity
- Lockable



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# Product Description

- Ultra-low temperature liquid nitrogen environment with ultra-low evaporation loss;
- Superior insulation and ultra high vacuum technology;
- Suitable for multi-purpose use and compatible with 2ml and 5ml ampoules and 25ml\50ml blood bag storage;

## Product List

Model	Description	Accessories	
		Standard (included)	Optional
Aluminium Alloy Series for Storage	CRYC-65N	<ul style="list-style-type: none"> <li>• Includes a locking cover SG-216</li> <li>• Includes a cork with neck opening diameter of 216mm</li> <li>• Includes 6 4-layer square canisters</li> <li>• Includes 9*9 cryogenic boxes (may be changed for 10*10)</li> </ul>	<ul style="list-style-type: none"> <li>• Trolley YSC-M</li> <li>• Level Monitoring System ZTC-100A</li> <li>• Level Measuring Scale</li> <li>• SmartCapLT-216                             <ul style="list-style-type: none"> <li>• Relay ModuleSW-300 (Required for cork networking)</li> </ul> </li> </ul>
			<ul style="list-style-type: none"> <li>• Includes 6 5-layer square canisters</li> <li>• Includes 9*9 cryogenic boxes</li> </ul>
	CRYC-95N	<ul style="list-style-type: none"> <li>• Includes a locking cover SG-216</li> <li>• Includes a cork with neck opening diameter of 216mm</li> <li>• Includes 6 5-layer square canisters</li> <li>• Includes 9*9 cryogenic boxes (may be changed for 10*10)</li> </ul>	<ul style="list-style-type: none"> <li>• Trolley YSC-M</li> <li>• Level Monitoring System ZTC-100A</li> <li>• Level Measuring Scale</li> <li>• SmartCapLT-216                             <ul style="list-style-type: none"> <li>• Relay ModuleSW-300 (Required for cork networking)</li> </ul> </li> </ul>
	CRYC-115N	<ul style="list-style-type: none"> <li>• Includes a locking cover SG-216</li> <li>• Includes a cork with neck opening diameter of 216mm</li> <li>• Includes 6 6-layer square canisters</li> <li>• Includes 9*9 cryogenic boxes (may be changed for 10*10)</li> </ul>	<ul style="list-style-type: none"> <li>• Trolley YSC-M</li> <li>• Level Monitoring System ZTC-100A</li> <li>• Level Measuring Scale</li> <li>• SmartCapLT-216                             <ul style="list-style-type: none"> <li>• Relay ModuleSW-300 (Required for cork networking)</li> </ul> </li> </ul>
	CRYC-140N	<ul style="list-style-type: none"> <li>• Includes a locking cover SG-216</li> <li>• Includes a cork with neck opening diameter of 216mm</li> <li>• Includes 6 8-layer square canisters</li> <li>• Includes 9*9 cryogenic boxes (may be changed for 10*10)</li> </ul>	<ul style="list-style-type: none"> <li>• Trolley YSC-M</li> <li>• Level Monitoring System ZTC-100A</li> <li>• Level Measuring Scale</li> <li>• SmartCapLT-216                             <ul style="list-style-type: none"> <li>• Relay ModuleSW-300 (Required for cork networking)</li> </ul> </li> </ul>
CRYC-175N	<ul style="list-style-type: none"> <li>• Includes a locking cover SG-216</li> <li>• Includes a cork with neck opening diameter of 216mm</li> <li>• Includes 6 10-layer square canisters</li> <li>• Includes 9*9 cryogenic boxes (may be changed for 10*10)</li> </ul>	<ul style="list-style-type: none"> <li>• Trolley YSC-M</li> <li>• Level Monitoring System ZTC-100A</li> <li>• Level Measuring Scale</li> <li>• SmartCapLT-216                             <ul style="list-style-type: none"> <li>• Relay ModuleSW-300 (Required for cork networking)</li> </ul> </li> </ul>	

## Specifications

Model	CRYC-65N	CRYC-95N	CRYC-115N	CRYC-140N	CRYC-175N
Product Images					
<b>Maximum storage capacity</b>					
Number of holders	6	6	6	6	6
Number of 2.0ml cryovials (100/box)	2400	3000	3600	4800	6000
Number of boxes in (2ml each holder)	4	5	6	8	10
Number of 5.0ml cryovials (36/box)	648	864	1080	1296	1728
Number of boxes in (5ml each holder)	3	4	5	6	8
<b>Performance</b>					
Volume of LN2 (L)	65	95	115	140	175
Static Evaporation Rate* (L/day)	0.78	0.97	0.94	0.96	0.95
Duration of Normal Operation* (Day)	44	66	80	94	126
<b>Dimensions</b>					
Neck Opening Diameter (mm)	216	216	216	216	216
Height (mm)	712	774	846	946	1060
Outer Diameter (mm)	681	681	681	681	681
Empty Weight (KG)	38.3	41.3	42.3	48.9	53.8
Gross Weight (KG)	64.28	70.16	75.52	87.1	96.3

\* Static evaporation and static holding time is theoretical value. Actual evaporation and holding time is affected by usage, atmospheric conditions, and manufacturing tolerances.

\* Duration of normal operation is for reference only to estimate container performance under normal operating conditions. Actual duration may differ due to different atmospheric conditions, usage history, manufacturing tolerances, and particular circumstances.

## Level and Temperature Monitor

Liquid level monitor tracks LN<sub>2</sub> liquid level and temperature continuously and reliably inside the tank and informs users to refill LN<sub>2</sub>. It is suitable for institutes requiring long term cryopreservation.

The monitor offers real-time temperature and LN<sub>2</sub> liquid level display, and audible/visual alarms for high temperature, sensor failure, and low liquid level.

Different configurations available, details on request.

