

LIQUID NITROGEN

Refrigerators



Safe and easy handling

Designed for extended storage of biological samples in the liquid phase. The aluminium liquid nitrogen refrigerators come equipped with canisters for cryopreservation and are available in 12 different specifications to suits your needs.

Technical Specifications

LN ₂ REFRIGERATOR DEWARS (CV-ICR/CV-ICRX)	3R	6R	10R	20R	20RX	ARCTIC 22R	ARCTIC 22RX	35R	35RX	35RX/6	35RX/10	50RX
LN ₂ Capacity – Litres	3.6	6	10	20	20	22	22	35	35	38	38	50
*Static Hold Time – Days	25	30	100	200	105	146	146	269	184	135	135	125
*Evaporation Rate – Litres/days	.14	.2	.10	.10	.19	.15	.15	.13	.19	.28	.28	.4
**Working Time – Days/Weeks	14/2	18/3	62/9	126/18	65/9	112/16	112/16	168/24	112/16	84/12	84/12	78/11
Necktube Diameter (mm)	57	57	57	57	95	66	66	57	95	127	127	95
Outside Diameter (mm)	222	222	286	381	381	381	381	470	470	470	470	470
Height (mm)	419	460	584	647	647	667	667	660	660	698	698	781
Weight – Empty (kg)	3.5	3.5	3.5	11	11	10	10	14.5	14.5	14.5	14.5	17.5
Weight – Full (kg)	6.5	8.5	15	27.5	27.5	28	28	43	43	46.5	46.5	58.5
Canister Length (mm)	127	127	279	279	279	279	279	279	279	279	279	279
Canister Inside Diameter (mm)	44	44	44	44	75	51	51	44	75	104	75	74
Canister Number	6	6	6	6	6	6	6	6	6	6	10	6
.5 cc Straws – On Canes	330	330	660	660	2340	480	960	660	2340	4680	3900	2340
.5 cc Straws – Bulk	990	990	1800	1800	5820	1356	2712	1800	5820	10320	9700	5820
Vial, 1.2 ml/2.0ml	N/A	N/A	180	180	660	205	410	180	660	1320	1100	660

Q FEATURES

- Increased capacity
- Lightweight aluminium construction
- Convenient specimen loading / unloading
- Greater necktube strength
- Greater efficiency
- Transparent lid, most models

☰ OPTIONS

- Low-level alarm
- Square racks for (RX) models
- Alternate canister sizes
- Measuring stick

Notes

* Evaporation Rate and Hold time are nominal.

** Working Time is an arbitrary reference, to estimate container performance under normal operating conditions.

(1) Straw capacity on canes: 10 Straws/cane for 11" canisters,

(2) 5 Straws/cane for 5" canisters

(3) Bulk: Two level goblets for 279mm; one level for 127mm

(4) Vial capacity on canes: 5 vials/cane

(5) Square racks, available for RX models

Contact us

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