

Portable Aluminum Cryogenic Vessels

LN2 Storage Dewars, 4 Liters to 50 Liters

This brochure presents seven liquid nitrogen storage dewars for the safe storage and dispensing of small to medium amounts of liquid nitrogen. The 4LD, 5LD, 10LD, 25LD, CLASSIC-25, 35LD, and 50LD models cover capacities from 4 L to 50 L, with static hold times from 6 to 152 days depending on model. All units share the same rugged construction and are suited to laboratory, clinical, and industrial cryogenic applications.

Standard Features

- Rugged ribbed high-strength aluminum body, magneformed necktube design, and more durable paint
- Snap-on cap and necktube assures a tight closure
- Advanced insulation materials assure high thermal efficiency
- Lightweight portable design for safe storage and dispensing of liquid nitrogen
- Static hold times up to 152 days and evaporation rates as low as 0.21 L/day

Model Overview

Model	4LD	5LD	10LD	25LD	CLASSIC-25	35LD	50LD
Catalog Number	4LD	5LD	10LD	25LD	CLASSIC-25	35LD	50LD
LN2 Capacity	4 L	5 L	10 L	25 L	25 L	35 L	50 L
Static Hold Time	10 days	6 days	45 days	109 days	119 days	152 days	122 days

Specifications

Values are nominal and measured under static conditions without product load, with the unit standing upright and the cap in place. Blue rows indicate specifications that differ between models; compare across columns to select the dewar that best matches your capacity, hold time, and footprint requirements.

SPECIFICATIONS	4LD	5LD	10LD	25LD	CLASSIC-25	35LD	50LD
PERFORMANCE							
LN2 Capacity (L)	4	5	10	25	25	35	50
Static Hold Time (days)	10	6	45	109	119	152	122
Evaporation Rate (L/day)	0.40	0.77	0.22	0.23	0.21	0.23	0.41
DIMENSIONS							
Necktube Dia. (in/mm)	1.2 / 30.5	5.6 / 142.2	2.0 / 50.8	2.5 / 63.5	2.0 / 50.8	2.5 / 63.5	2.5 / 63.5
Outside Dia. (in/mm)	7.6 / 193	7.6 / 193	11.4 / 289.6	15.6 / 396.2	15.5 / 393.7	18.8 / 477.5	18.8 / 477.5
Height (in/mm)	17 / 432	17.5 / 444.5	23.5 / 597	25.8 / 655.3	22.9 / 581.6	26.3 / 668	32.4 / 823
WEIGHT							
Weight Empty (lb/kg)	6.6 / 3.0	6.9 / 3.1	14.5 / 6.6	23.2 / 10.5	19 / 8.6	35.1 / 15.9	38.7 / 17.6
Weight Full (lb/kg)	13.7 / 6.2	15.8 / 7.2	32.3 / 14.7	67.7 / 30.7	63.5 / 28.8	97.4 / 44.2	127.7 / 57.9

All models are designed for liquid nitrogen storage and dispensing only and are not intended for transport of biological specimens in shipping containers. Contact Montreal Biotech for availability, accessories, and guidance on selecting the appropriate dewar for your application.