

# Lab Series Dewars

The LAB Series dewars use high efficiency super-insulation and aluminum construction to make them lightweight and the most efficient containers available.

Their shape and handles make them easy to lift and pour. The LAB Series dewars can also be fitted with pouring spouts, withdrawal devices, or dippers to aid in liquid nitrogen transfer.



## Features:

- Designed for efficient storage of liquid nitrogen.
- Low liquid nitrogen consumption.
- Convenient lightweight package.
- Six sizes from 4 liters to 50 liters capacity.
- Lightweight aluminum construction.
- Up to 128 days holding time.

## Features/Specifications



LAB Series	LAB4	LAB 5	LAB 10	LAB 20	LAB 30	LAB 50
<b>Liquid Nitrogen Usage &amp; Capacities</b>						
Liquid nitrogen capacity (liters)	4	5	10	21	32	50
Static evaporation rate (liters per day)	0.2	0.15	0.18	0.18	0.25	0.45
Static holding time (days)	18	33.3	55.6	116.7	128	111
<b>Dimensions</b>						
Neck Opening inches (mm)	1.4 (33.5)	2.2 (56)	2.2 (56)	2.2 (56)	2.5 (64)	2.5 (64)
Usable Height inches (mm)	7.8 (198)	10.5 (266)	13.5 (343)	13.7 (348)	14.9 (378)	22 (559)
Overall Height inches (mm)	16.8 (426)	18.2 (462)	21.5 (546)	24.7 (627)	24.1 (611)	30.7 (779)
Outside Diameter inches (mm)	7.3 (185)	8.8 (222)	10.3 (260)	14.5 (368)	17 (432)	17 (432)
Internal Diameter inches (mm)	5.5 (139)	6.5 (165)	8.3 (210)	11.4 (289)	14 (356)	14 (356)
Weight empty lbs. (kg)	6 (2.7)	8 (4)	13 (6)	19 (9)	27 (12)	34 (15)
Weight full lbs. (kg)	13 (6)	17 (8)	31 (14)	56 (26)	84 (38)	123 (56)

## Optional Withdrawal Device

Fits Custom BioGenics Chart (MVE) Vessels	Neck Diameter inches (mm)	Part Number
Lab 10	2.0 (50.8)	LW 8071
Lab 10	2.2 (56)	LW 8101
Lab 20	2.0 (50.8)	LW 7803
Lab 20	2.2 (56)	LW 7802
Lab 30	2.5 (63.5)	LW 8004
Lab 30	2.5 (63.5)	LW 8021

