



Liquid Nitrogen Tank

Dry / Vapour Shipper
Liquid Nitrogen Storage Tank (Square Racks)
Portable Liquid Nitrogen Tank
Liquid Nitrogen Storage Tank (Canisters)

Dry / Vapour Shipper

The Dry / Vapour Shipper series is suitable for transporting samples in deep cryogenic conditions (vapour phase storage at temperatures below -190°), transport in vapour phase avoids the risk of liquid nitrogen spillage, and is suitable in short time air transport.



Brand:	RoyLab
Capacity:	3L, 4L, 6L, 10L, 20L, 25L
Type:	Vapour Phase
Material:	Aluminum Alloy

Product Features



Vapour Phase Storage

Short-term storage and transportation



Durable Construction

Durable construction using lightweight, strong aluminium



High Vacuum Multi-Layer Insulation Design



Cryo Absorbant and Stainless Steel Mesh

Prevents liquid nitrogen spillage and avoid contamination of samples



Optional Lockable Lids



Optional Real Time Monitoring System

For sample storage data

Liquid Nitrogen Storage Tank (Square Racks)



RoyLab Liquid Nitrogen Storage Tank (Square Racks) is meticulously designed to facilitate extended, stationary storage of samples. These tanks have several square racks to hold your cryovial samples, while a large opening facilitates users to frequently access & extract samples from the tank. Minimal evaporation and loss of liquid nitrogen from the multi-layer insulated vacuum design makes these tanks the first choice for small sample banks.

Brand:	RoyLab
Capacity:	30L, 47L, 50L, 65L, 95L, 121L, 145L, 175L
Type:	Liquid Phase
Material:	Aluminium Alloy

Product Features



**Large Capacity With Low
LN2 Consumption**



**Multi-Layer Insulated
Vacuum Design**



Optional Lid Lock



**Optional Intelligent
Monitoring System**

Liquid Nitrogen Portable Tank

RoyLab Liquid Nitrogen Tank is designed to be small, lightweight, and effortlessly portable. This durable construction using light-weight aluminium facilitates hassle free logistics and transportation of samples. Our PLNT also features a high vacuum multi-layer insulation design to ensure minimal daily liquid nitrogen consumption even during static storage.



Brand:	RoyLab
Capacity:	1.3L, 2.8L, 3.15L, 6.7L, 10.8L, 10.5L, 10L, 16.5L, 16.2L, 21.6L
Type:	Liquid Phase
Material:	Aluminium Alloy

Product Features



Portable & Effortless Transportation



Durable Construction using Lightweight, Strong Aircraft Aluminium



High Vacuum Multi-Layer Insulation Design and 5-Years Vacuum Warranty



Optional Lid Lock

Liquid Nitrogen Storage Tank (Canisters)



RoyLab Liquid Nitrogen Storage Tank (Canisters) is meticulously designed to facilitate extended stationary storage of samples. Available in large capacity or extra-long shelf-life versions, these tanks hold several canisters to house your precious cryovial samples. Our Liquid Nitrogen Storage Tanks (Canisters) can also be employed to preserving semen, embryos, stem cells, skin, internal organs, vaccines and other active organisms.



Brand:	RoyLab
Capacity:	31.5L, 35.5L, 47L, 50L
Type:	Liquid Phase
Material:	Aluminium Alloy

Product Features



**Durable Construction using
Lightweight, Strong Aluminium**



**Minimal Evaporation of Liquid
Nitrogen**



Liquid Nitrogen Tank

Liquid Nitrogen Storage Tank (Canisters)

Dry / Vapour Shipper

Model No.		DLN2-0350	DLN2-04125	DLN2-0680	DLN2-10125	DLN2-20216	DLN2-25216
Tank Capacity (L)		3	4	6	10	20	25
Opening Diameter (mm)		50	125	80	125	216	216
Diameter (mm)		224	224	300	300	396	396
Height (mm)		435	615	435	530	650	650
Empty Weight (kg)		4.7	8	5.5	6.8	12	12.5
Gross Weight (kg)		6	11.3	10.4	14.9	28.3	32.9
Static Evaporation (L/day)		0.12	0.45	0.21	0.55	0.89	0.89
Duration of Normal Operation (day)		13	4	11	7	9	11
Liquid Nitrogen Consumption (L)		1.5	2	2.4	4	8	10
No. of Canister		1	/	1	1	/	1
Dimensions of Canister (mm)		38*120	/	70*276	/	/	/
No. of Holders in Each Canister (mm)		3	/	21	/	/	/
Maximum Storage Capacity	No. of 2ml Cryovials	3	/	6	/	/	/
	No. of 2ml Cryovials	9	/	126	100	/	400
	25-well boxes	/	/	/	4	/	/
	100-well boxes	/	/	/	/	/	4
	50ml Blood Bags	/	4	/	/	/	/
	250ml Blood Bags	/	/	/	/	8	/

Liquid Nitrogen Storage Tank (Square Racks)

Model No.		MLN2-30125	MLN2-47127	MLN2-50125	MLN2-65216	MLN2-65216	MLN2-95216	MLN2-121216	MLN2-145216	MLN2-175216
Liquid Nitrogen Capacity (L)		30	47	50	65	65	95	121	145	175
Opening Diameter (mm)		125	127	125	216	216	216	216	216	216
Tank Diameter (mm)		451	508	708	575	678	678	575/678	678	678
Height (mm)		747	716	771	715	700	950	1050/860	1020	1130
Empty Weight (kg)		17	21	22.5	28.5	32	38	43.5/45	48	56
Static Evaporation (L/day)		0.37	0.45	0.43	0.78	0.78	0.81	0.85	0.85	0.87
Duration Of Normal Operation (day)		97	105	115	83	83	117	142	171	202
No. of Square Racks		6	6	6	4	6	6	4 or 6	6	6
Maximum Storage Capacity	1.2&2ml Cryovials (100 per box)	-	-	-	2000	2400	3000	4000/3600	4800	6000
	1.2&2ml Cryovials (25 per box)	600	750	900	-	-	-	-	-	-
	Layers Of Rack	4	5	6	5	4	5	6 or 10	8	10



Liquid Nitrogen Tanks

Portable Liquid Nitrogen Tank

Model No.	PLN2-0135	PLN2-0230	PLN2-0350	PLN2-0650	PLN2-1050	PLN2-1080	PLN2-10125	PLN2-10210	PLN2-1650	PLN2-1680	PLN2-16125	PLN2-2150	PLN2-2180	PLN2-21125
Tank Capacity (L)	1.6	2.8	3.15	6.7	10.8	10.8	10.5	10	16.5	16.5	16.2	21.6	21.6	21.6
Opening Diameter (mm)	35	30	50	50	50	80	125	210	50	80	125	50	80	125
Diameter (mm)	180	224	224	284	330	304	304	304	354	354	354	384	384	384
Height (mm)	300	420	450	504	570	550	540	520	600	600	600	640	640	640
Net Weight (kg)	1.8	2.3	3.2	4.7	5.8	5.9	6.1	7.6	8.2	8.2	8.3	11.2	11.3	11.3
Duration (day)	13	25	35	65	98	50	28	15	150	100	50	175	150	130

Liquid Nitrogen Storage Tank (Canisters)

Model No.	DWLN2-3138	DWLN2-3538	DWLN2-3563	DWLN2-4797	DWLN2-4772	DWLN2-5038
Capacity(L)	31.5	35.5	35.5	47	47	50
Height (mm)	648	672	675	730	730	744
Tank Diameter (mm)	451	451	451	508	508	508
Opening Diameter (mm)	50	50	80	127	127	50
Empty Tank Weight (kg)	13.5	13.8	14.2	19	19	21
Gross Weight (kg)	39.1	42.7	43.1	57.3	57.3	61.7
Canister Diameter (mm)	38	38	63	97	72	38
Canister Height (mm)	276	276	276	276	276	276
No. of Canister	6	6	6	6	10	6
No. of Holder Each Canister	144	144	576	1440	1260	144
Static Evaporation (L/day)	0.12	0.12	0.22	0.36	0.36	0.24
Duration of Normal Operation	263	296	161	131	131	208