

CryoMajor Series

Dewar with Canisters

CryoMajor Series Dewars are designed for liquid phase storage of biological samples in straws. The liquid nitrogen storage capacity range is from 2 liters to 50 liters. Round canisters are provided as standard.

CryoMajor series Dewars are space-saving and light in weight. Ultra-low liquid nitrogen consumption is also an advantage of this series.

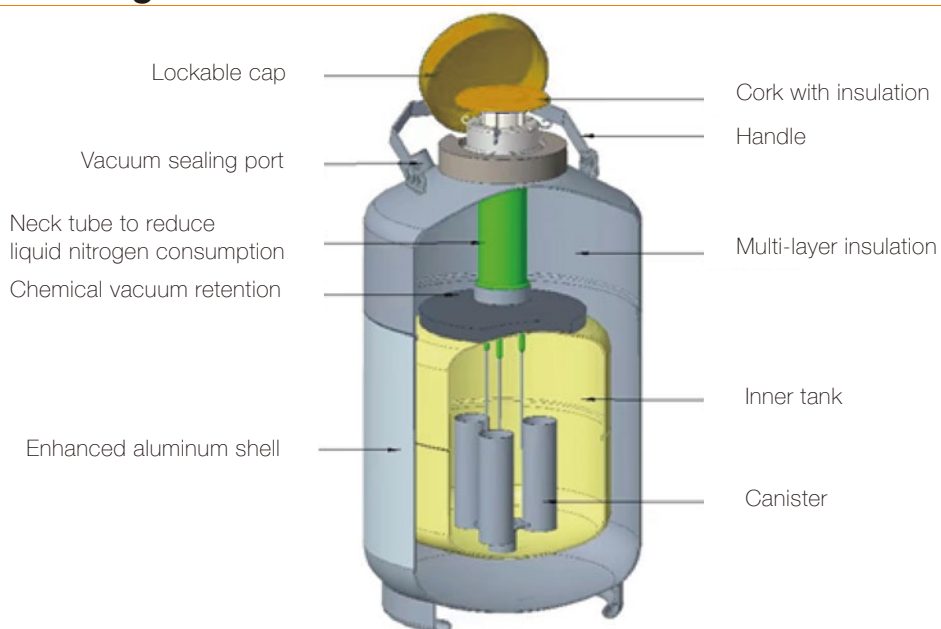
Roller base is available for Dewars capacity not less than 30 liters.



Features

- Supplied with round canisters
- Ultra-low liquid nitrogen consumption
- Space-saving and light in weight
- TWO Year Parts Warranty, FIVE Year Vacuum Warranty

Structure Diagram



Specification

Model	CryoMajor 2/35	CryoMajor 3/50	CryoMajor 6/50	CryoMajor 10/50	CryoMajor 10/80
Maximum Storage Capacity					
Number of canister	3	6	6	6	6
Canister type	1-layer	1-layer	1-layer	1-layer	1-layer
Number of straws, 1/2 cc	165	792	792	792	2244
Number of straws, 1/4 cc	330	1788	1788	1788	5022
Performance					
LN ₂ capacity (L)	2	3	6	10	10
Static evaporation rate (L/day)	0.08	0.12	0.12	0.12	0.21
Static holdover time (day)	24	25	52	86	48
Dimensions					
Neck opening (mm)	35	50	50	50	80
External diameter (mm)	204	223	300	300	300
Overall height (mm)	428	435	482	552	557
Canisters diameter (mm)	25	38	38	38	63
Canister height (mm)	120	120	120	120	120
Weight empty (kg)	2.6	3.1	4.8	5.9	5.9
Weight full (kg)	4.2	5.5	9.7	14.0	14.0
Accessories					
Lockable lid	Yes	Yes	Yes	Yes	Yes
Protection suit	N/A	Yes	Yes	Yes	Yes
Roller base (Optional)	N/A	N/A	N/A	N/A	N/A
Liquid level & Temperature Monitor (Optional)	N/A	N/A	N/A	N/A	N/A

Model	CryoMajor 13/50L	CryoMajor 15/50	CryoMajor 15/80	CryoMajor 20/50L	CryoMajor 20/80L
Maximum Storage Capacity					
Number of canister	6	6	6	6	6
Canister type	2-layer	1-layer	1-layer	2-layer	2-layer
Number of straws, 1/2 cc	1284	792	2244	1284	3624
Number of straws, 1/4 cc	2832	1788	5022	2832	8460
Performance					
LN ₂ capacity (L)	13	15	15	20	20
Static evaporation rate (L/day)	0.12	0.11	0.21	0.12	0.21
Static holdover time (day)	109	134	71	168	95
Dimensions					
Neck opening (mm)	50	50	80	50	80
External diameter (mm)	310	394	394	394	394
Overall height (mm)	623	591	591	672	676
Canisters diameter (mm)	38	38	63	38	63
Canister height (mm)	276	120	120	276	276
Weight empty (kg)	6.3	8.5	8.6	9.5	9.5
Weight full (kg)	16.9	20.7	20.8	25.8	25.8
Accessories					
Lockable lid	Yes	Yes	Yes	Yes	Yes
Protection suit	Yes	Yes	Yes	Yes	Yes
Roller base (Optional)	N/A	N/A	N/A	N/A	N/A
Liquid level & Temperature Monitor (Optional)	N/A	N/A	N/A	N/A	N/A

Specification

Model	CryoMajor 25/50L	CryoMajor 30/50L	CryoMajor 30/80L	CryoMajor 30/125L	CryoMajor 35/50L
Maximum Storage Capacity					
Number of canister	6	6	6	6	6
Canister type	2-layer	2-layer	2-layer	2-layer	2-layer
Number of straws, 1/2 cc	1284	1284	3624	9048	1284
Number of straws, 1/4 cc	2832	2832	8460	19944	2832
Performance					
LN ₂ capacity (L)	25	31.5	31.5	31.5	35.5
Static evaporation rate (L/day)	0.12	0.12	0.21	0.35	0.12
Static holdover time (day)	208	254	147	90	286
Dimensions					
Neck opening (mm)	50	50	80	125	50
External diameter (mm)	394	462	462	462	462
Overall height (mm)	700	706	710	705	750
Canisters diameter (mm)	38	38	63	97	38
Canister height (mm)	276	276	276	276	276
Weight empty (kg)	10.7	12.9	13.1	12.9	14.2
Weight full (kg)	31.1	38.5	38.7	38.5	43.1
Accessories					
Lockable lid	Yes	Yes	Yes	Yes	Yes
Protection suit	Yes	Yes	Yes	Yes	Yes
Roller base (Optional)	N/A	RB-30	RB-30	RB-30	RB-30
Liquid level & Temperature Monitor (Optional)	N/A	N/A	N/A	N/A	N/A

Model	CryoMajor 35/80L	CryoMajor 35/125L	CryoMajor 35/127TL	CryoMajor 47/127L	CryoMajor 47/127TL	CryoMajor 50B/50L
Maximum Storage Capacity						
Number of canister	6	6	10	6	10	6
Canister type	2-layer	2-layer	2-layer	2-layer	2-layer	2-layer
Number of straws, 1/2 cc	3624	9048	9800	10704	8200	1284
Number of straws, 1/4 cc	8460	20760	19600	23604	16400	2832
Performance						
LN ₂ capacity (L)	35.5	35.5	35.5	47	47	50
Static evaporation rate (L/day)	0.22	0.36	0.36	0.36	0.36	0.24
Static holdover time (day)	161	99	99	131	131	208
Dimensions						
Neck opening (mm)	80	125	127	127	127	50
External diameter (mm)	462	451	451	508	508	508
Overall height (mm)	753	795	795	730	730	755
Canisters diameter (mm)	63	97	67	104	72	38
Canister height (mm)	276	276	276	276	276	276
Weight empty (kg)	14.5	17.9	17.9	18.7	18.7	21.0
Weight full (kg)	43.4	46.8	46.8	57.0	57.0	61.7
Accessories						
Lockable lid	Yes	Yes	Yes	Yes	Yes	Yes
Protection suit	Yes	Yes	Yes	N/A	N/A	Yes
Roller base (Optional)	RB-30	RB-30	RB-30	RB-47	RB-47	RB-47
Liquid level & Temperature Monitor (Optional)	N/A	CryoMonitor 2000TL	CryoMonitor 2000TL	CryoMonitor 2000TL	CryoMonitor 2000TL	N/A