

CryoMaster Series

Dewar with Racks



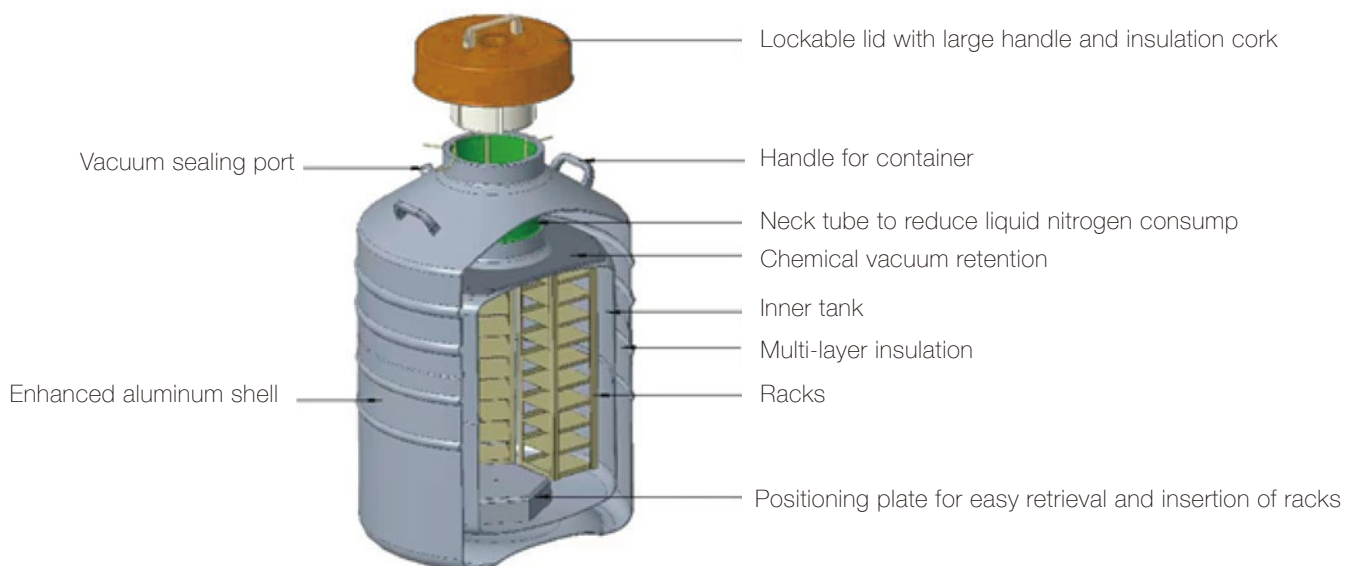
CryoMaster Series Dewars are designed for liquid phase storage of biological samples in cryogenic vials and boxes. The storage capacity range is 750 to 6,000 pcs of 2ml vials.

2ml vial inventory racks are supplied as standard. Inventory system for 5ml vials, 25ml blood bags and 50ml blood bags are optional upon request.

Features

- Large capacity storage of vials or blood bags
- Ultra-low liquid nitrogen consumption
- Lockable lid to prevent unauthorized access
- Space-saving and light in weight
- TWO Year Parts Warranty, FIVE Year Vacuum Warranty

Structure Diagram



Accessories

- Roller base is supplied as optional, for easy movement of container.
- CryoMonitor 2000TL is optional monitor for liquid nitrogen level and temperature.



Specification

Model: CryoMaster 750 CryoMaster 900 CryoMaster 2400 CryoMaster 3000 CryoMaster 3600 CryoMaster 4800 CryoMaster 6000

		Maximum Storage Capacity						
1.2 & 2ml vials	1.2 & 2ml vials (25/100 well box)	750	900	2400	3000	3600	4800	6000
	Number of racks	6	6	6	6	6	6	6
	2" Boxes per rack	5	6	4	5	6	8	10
5ml vials	5ml vials (81well box)	—	—	972	972	1458	1944	2430
	Number of racks	—	—	6	6	6	6	6
	3.75" Boxes per rack	—	—	2	2	3	4	5
25ml blood bag	Numbers of blood bag	—	—	168	252	252	336	420
	Number of racks	—	—	6	6	6	6	6
	Layers per rack	—	—	2	3	3	4	5
	Blood bags per layer	—	—	14	14	14	14	14
50ml blood bag	Numbers of 50ml blood bag	—	—	84	144	168	168	252
	Number of racks	—	—	6	6	6	6	6
	Layers per rack	—	—	1	3	2	2	3
	Blood bags per layer	—	—	14	8	14	14	14
250ml blood bag	Numbers of 250ml blood bag	—	—	48	48	48	96	96
	Number of racks	—	—	6	6	6	6	6
	Layers per rack	—	—	1	1	1	2	2
	Blood bags per layer	—	—	8	8	8	8	8
		Performance						
LN ₂ capacity (L)		35	50	65	95	120	145	175
Static evaporation rate (L/day)		0.37	0.43	0.78	0.81	0.85	0.85	0.87
Static holdover time (day)		95	116	83	117	141	171	201
		Dimensions						
Neck opening (mm)		125	125	216	216	216	216	216
Overall height (mm)		747	780	700	795	850	980	1050
Outer diameter (mm)		451	508	678	678	678	678	678
Weight empty (KG)		19	20	42	44	51	52	56
Weight full (KG)		47	61	95	122	150	171	199
Inventory rack for cryobox (standard)		6	6	6	6	6	6	6
		Optional Inventory Rack						
Rack for 25ml blood bag		N/A	N/A	DBR-25-14-2	DBR-25-14-3	DBR-25-14-3	DBR-25-14-4	DBR-25-14-5
Cassette for 25ml blood bag		N/A	N/A	BBC-25	BBC-25	BBC-25	BBC-25	BBC-25
Rack for 50ml blood bag		N/A	N/A	DBR-50-14-1	DBR-50-8-3	DBR-50-14-2	DBR-50-14-2	DBR-50-14-3
Cassette for 50ml blood bag		N/A	N/A	BBC-50	BBC-50	BBC-50	BBC-50	BBC-50
Rack for 250ml blood bag		N/A	N/A	DBR-250-8-1	DBR-250-8-1	DBR-250-8-1	DBR-250-8-2	DBR-250-8-2
Cassette for 250ml blood bag		N/A	N/A	BBC-250	BBC-250	BBC-250	BBC-250	BBC-250
		Optional Accessories						
Roller base		RB-30	RB-47	RB-65	RB-65	RB-65	RB-65	RB-65
Liquid level & temperature monitoring		CryoMonitor 2000TL, cloud service						