

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.

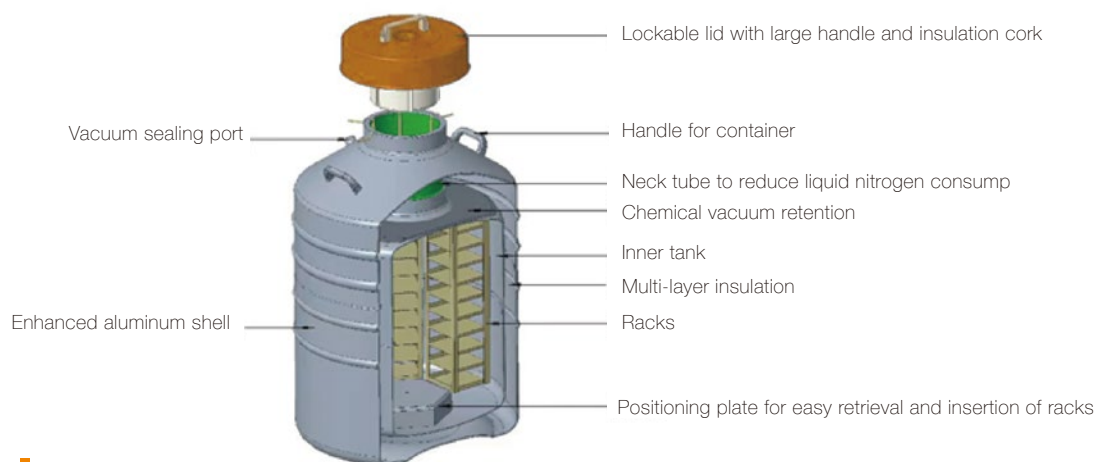
2ml vial inventory racks are supplied as standard. Inventory system for 5ml vials and blood bags are optional upon request.

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 vial	1.2 & 2ml vial (25/100-place 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 vial	5ml vial (81-place 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
50ml blood bag	Blood bags per layer	—	—	14	14	14	14	14
	Numbers of blood bag	—	—	84	126	168	168	252
	Number of racks	—	—	6	6	6	6	6
250ml blood bag	Layers per rack	—	—	1	3	2	2	3
	Blood bags per layer	—	—	14	7	14	14	14
	Numbers of blood bag	—	—	48	48	48	96	96
500ml blood bag	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
200ml blood bag	Numbers of blood bag	—	—	—	36	36	30	60
	Number of racks	—	—	—	6	6	6	6
	Layers per rack	—	—	—	1	1	1	2
700ml blood bag	Blood bags per layer	—	—	—	6	6	5	5
	Numbers of blood bag	—	—	30	30	30	60	60
	Number of racks	—	—	6	6	6	6	6
	Layers per rack	—	—	1	1	1	2	2
	Blood bags per layer	—	—	5	5	5	5	5
	Numbers of blood bag	—	—	—	30	30	30	30
	Number of racks	—	—	—	6	6	6	6
	Layers per rack	—	—	—	1	1	1	1
	Blood bags per layer	—	—	—	5	5	5	5
Performance								
LN ₂ capacity (L)		35	50	65	95	120	145	175
Static evaporation rate (L/day)		0.36	0.36	0.78	0.81	0.85	0.85	0.87
Static holdover time (day)		97	139	83	117	141	171	201
Dimensions								
Neck opening (mm)		125	125	216	216	216	216	216
Overall height (mm)		805	820	785	840	905	1040	1090
Outer diameter (mm)		451	508	678	678	678	678	678
Weight empty (KG)		20.6	28.5	49.2	53.3	58.1	67.1	72.3
Weight full (KG)		49	69	102	130	155	185	214
Inventory rack for cryobox (standard)		6	6	6	6	6	6	6
Optional Inventory Rack								
25ml blood bag	Cassette	—	—	BBC-25	BBC-25	BBC-25	BBC-25	BBC-25
	Rack	—	—	DBR-25-14-2	DBR-25-14-3	DBR-25-14-3	DBR-25-14-4	DBR-25-14-5
50ml blood bag	Cassette	—	—	BBC-50	BBC-50	BBC-50	BBC-50	BBC-50
	Rack	—	—	DBR-50-14-1	DBR-50-7-3	DBR-50-14-2	DBR-50-14-2	DBR-50-14-3
250ml blood bag	Cassette	—	—	BBC-250	BBC-250	BBC-250	BBC-250	BBC-250
	Rack	—	—	DBR-250-8-1	DBR-250-8-1	DBR-250-8-1	DBR-250-8-2	DBR-250-8-2
500ml blood bag	Cassette	—	—	—	BBC-500	BBC-500	BBC-500	BBC-500
	Rack	—	—	—	DBR-500-6-1	DBR-500-6-1	DBR-500-5-1	DBR-500-5-2
200ml blood bag	Cassette	—	—	BBC-200	BBC-200	BBC-200	BBC-200	BBC-200
	Rack	—	—	DBR-200-5-1	DBR-200-5-1	DBR-200-5-1	DBR-200-5-2	DBR-200-5-2
700ml blood bag	Cassette	—	—	N/A	BBC-700	BBC-700	BBC-700	BBC-700
	Rack	—	—	N/A	DBR-700-5-1	DBR-700-5-1	DBR-700-5-1	DBR-700-5-1
Optional Accessories								
Roller base		RB-30	RB-47	RB-65	RB-65	RB-65	RB-65	RB-65
Liquid level & temperature monitoring		CryoMonitor 1000TL, CryoMonitor 2000TL, Cloud service						

* **25ml blood bag**: Pall MEDSEPTIM 25 mL, OriGen CS 25; **50ml blood bag**: Fenwal 4R9951, OriGen CS 50;

250ml blood bag: Fenwal 4R9953 & 4R5461, OriGen CS 25, CryoMACS 50 & 250, CryoPAC 025B & 050B; **500ml blood bag**: Fenwal 4R9955 & 4R5462, OriGen CS 500, CryoPAC 250B & 500B;

200ml blood bag: Gambro DF-200 or CryoMACS 50 & 250; **700ml blood bag**: Gambro DF-700, OriGen CS 1000, CryoMACS 500 & 750 & 1000, CryoPAC 750B.