

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.

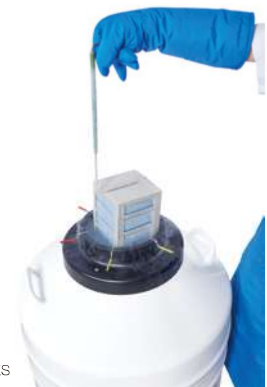
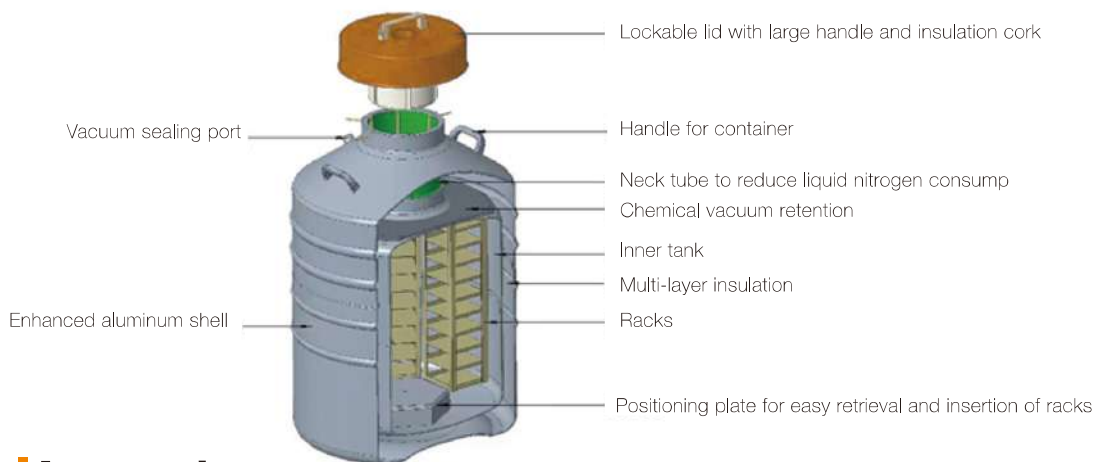
2ml vial inventory racks are supplied as standard. Inventory system for 5ml vials and blood bags are optional upon request.

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
Cassette BBC-A	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
Cassette BBC-B	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
Cassette BBC-C	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
Cassette BBC-D	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
Cassette BBC-E	Numbers of blood bag	—	—	—	36	36	30	60
	Number of racks	—	—	—	6	6	6	6
	Layers per rack	—	—	—	1	1	1	2
Cassette BBC-F	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
Cassette BBC-A	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
Cassette BBC-B	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								
Cassette BBC-A	Rack	—	—	DBR-A-14-2	DBR-A-14-3	DBR-A-14-3	DBR-A-14-4	DBR-A-14-5
Cassette BBC-B	Rack	—	—	DBR-B-14-1	DBR-B-7-3	DBR-B-14-2	DBR-B-14-2	DBR-B-14-3
Cassette BBC-C	Rack	—	—	DBR-C-8-1	DBR-C-8-1	DBR-C-8-1	DBR-C-8-2	DBR-C-8-2
Cassette BBC-D	Rack	—	—	—	DBR-D-6-1	DBR-D-6-1	DBR-D-5-1	DBR-D-5-2
Cassette BBC-E	Rack	—	—	DBR-E-5-1	DBR-E-5-1	DBR-E-5-1	DBR-E-5-2	DBR-E-5-2
Cassette BBC-F	Rack	—	—	N/A	DBR-F-5-1	DBR-F-5-1	DBR-F-5-1	DBR-F-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							

* Cassette BBC-A: Pall MEDSEPTM 25 mL, OriGen CS 25; Cassette BBC-B: Fenwal 4R9951, OriGen CS 50;

Cassette BBC-C: Fenwal 4R9953 & 4R5461, OriGen CS 250, CryoMACS 50 & 250, CryoPAC 025B & 050B; Cassette BBC-D: Fenwal 4R9955 & 4R5462, OriGen CS 500, CryoPAC 250B & 500B;

Cassette BBC-E: Gambro DF-200 or CryoMACS 50 & 250; Cassette BBC-F: Gambro DF-700, OriGen CS 1000, CryoMACS 500 & 750 & 1000, CryoPAC 750B.