CryoMaster Series Introduction

CryoMaster Series liquid nitrogen containers combine with the advantages of low liquid nitrogen consumption and medium range storage capacity to meet unique requirements of professional customers all over the world. CryoMaster Series containers provide high efficiency of large capacity sample cryopreservation with light weight and small space occupying. The racks and lockable lids are standard to assure the safety of samples. Mainly apply to medical field/bio-bank/laboratory field.



Key Features

- Racks and boxes included
- 2 Dual-lock construction
- B Durable aluminum construction
- 4 Larger storage capacity, less liquid nitrogen

consumption

5 Compatible with main brands standard storage boxes





- 7 Mobile roller bases (optional)
- 8 5 year vacuum warranty



Real-time Temperature Monitor

Real-time temperature monitor continuously monitors the temperature inside the container. The real-time temperature monitor matchs all CryoMaster models, optimal choice for long time monitoring of samples storage. It realizes reminding users to add liquid nitrogen timely too. There are two models, CryoMonitor 1000 and Smart Cap.

Cryomonitor 1000 real-time monitor This system with real-time temperature display: 1.High/low temperature alarm 2.Sensor fault audible and visual alarm



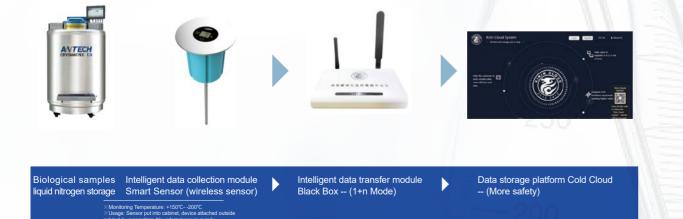
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Smart Cap

The Smart Cap is a liquid nitrogen level sensor with a highly integrated IoT module that monitors the liquid nitrogen tank level (0~650mm) and the tank mouth temperature (-200°C~150°C). Ultra-low power consumption: The built-in power supply works independently for more than two years.



Ultra Low-power Consumption Liquid Level Monitoring System



Technical Specification

lodel	-						
2.8.2ml V	(ala (2E/box)		Maximum Storage Ca			222	
1.2 &2ml Vials (25/box) Number of Racks		600		750		900	
Boxes Per Rack		6		6		6	
		4		5		6	
25ml blood bag	25ml blood bag	36		36		36	
	Number of Racks	18			18		
Ŭ	No. of Blood bags Per Rack	2	Performance	2		2	
N2 Capac	city (L)	30	T chomanoo	35		50	
Static Evaporation Rate (L/day)		0.33		0.36		0.36	
Static holdover time (day)		90		97		115	
		,,,	Unit Dimensions				
Neck Opening (mm)		125		125		127	
Overall Height (mm)		705		748		754	
Outer Diam	neter (mm)	461		461		416	
Veight Em	apty (kg)	12.9		14.2		15.2	
Neight Full (KG)		37.5		42.9	42.9		
lodel		CryoMaster 2400	CryoMaster 3000 Maximum Storage Ca	CryoMaster 3600	CryoMaster 4800	CryoMaster 60	
Model	12.82ml\//als (100/box)	-	Maximum Storage Ca	pacity			
	1.2 &2ml Vials (100/box)	2400	Maximum Storage Ca 3000	apacity 3600	4800	CryoMaster 60	
.2 &2ml	Number of Racks	2400 6	Maximum Storage Ca 3000 6	apacity 3600 6	4800	6000	
.2 &2ml ⁄ials	Number of Racks Boxes Per Rack	2400	Maximum Storage Ca 3000	apacity 3600	4800	6000 6	
.2 &2ml /ials 25ml	Number of Racks	2400 6 4	Maximum Storage Ca 3000 6 5	apacity 3600 6 6	4800 6 8	6000 6 10	
1.2 &2ml /ials 25ml	Number of Racks Boxes Per Rack 25ml blood bag	2400 6 4 60	Maximum Storage Ca 3000 6 5 90	3600 6 6 120	4800 6 8 120	6000 6 10 150	
1.2 &2ml /ials 25ml plood bag	Number of Racks Boxes Per Rack 25ml blood bag Number of Racks	2400 6 4 60 30	Maximum Storage Ca 3000 6 5 90 30	3600 6 6 120 30	4800 6 8 120 30	6000 6 10 150 30	
1.2 &2ml /ials 25ml blood bag	Number of Racks Boxes Per Rack 25ml blood bag Number of Racks No. of Blood bags Per Rack	2400 6 4 60 30 2	Maximum Storage Ca 3000 6 5 90 30 2	3600 6 6 120 30 3	4800 6 8 120 30 4	6000 6 10 150 30 5	
.2 &2ml /ials 25ml blood bag	Number of Racks Boxes Per Rack 25ml blood bag Number of Racks No. of Blood bags Per Rack 50ml blood bag	2400 6 4 60 30 2 60	Maximum Storage Ca 3000 6 5 90 30 2 60 30 2 60 30 2	apacity 3600 6 6 120 30 3 90	4800 6 8 120 30 4 120	6000 6 10 150 30 5 150	
Model I.2 &2ml /ials 25ml olood bag	Number of Racks Boxes Per Rack 25ml blood bag Number of Racks No. of Blood bags Per Rack 50ml blood bag Number of Racks Number of Racks Number of Racks Number of Racks No. of Blood bags Per Rack	2400 6 4 60 30 2 60 30 2 2	Maximum Storage Ca 3000 6 5 90 30 2 60 30 2 60 30 2 60 30 2 Performance	3600 6 6 120 30 3 90 30 30 3 3	4800 6 8 120 30 4 120 30 4 120 30 4	6000 6 10 150 30 5 150 30 5 5	
I.2 &2ml /ials 25ml blood bag 50ml blood bag	Number of Racks Boxes Per Rack 25ml blood bag Number of Racks No. of Blood bags Per Rack 50ml blood bag Number of Racks Number of Racks Number of Racks Number of Racks No. of Blood bags Per Rack Sity (L)	2400 6 4 60 30 2 60 30 2 65	Maximum Storage Ca 3000 6 5 90 30 2 60 30 2 60 30 2 60 30 2 90 30 30 2 90 30 2 9 95	3600 6 6 120 30 3 3 90 30 30 30 3 3 115	4800 6 8 120 30 4 120 30 4 120 30 4	6000 6 10 150 30 5 150 30 5 5 175	
1.2 &2ml /ials 25ml blood bag 50ml blood bag .N2 Capac Static Evap	Number of Racks Boxes Per Rack 25ml blood bag Number of Racks No. of Blood bags Per Rack 50ml blood bag Number of Racks No. of Blood bags Per Rack S0ml blood bags Number of Racks No. of Blood bags Per Rack Sity (L) xoration Rate (L/day)	2400 6 4 60 30 2 60 30 2 65 0.78	Maximum Storage Ca 3000 6 5 90 30 2 60 30 2 60 30 2 90 30 2 60 30 2 9 9 90 30 2 95 0.97	3600 6 6 120 30 3 90 30 33 90 30 33 90 30 33 90 30 33 90 30 33 90 30 33 91 115 0.94 91 92 94 94 94 94 94 94 95 94 95 95 96	4800 6 8 120 30 4 120 30 4 140 0.96	6000 6 10 150 30 5 150 30 5 5 175 0.95	
1.2 &2ml /ials 25ml blood bag 50ml blood bag _N2 Capac Static Evap	Number of Racks Boxes Per Rack 25ml blood bag Number of Racks No. of Blood bags Per Rack 50ml blood bag Number of Racks Number of Racks Number of Racks Number of Racks No. of Blood bags Per Rack Sity (L)	2400 6 4 60 30 2 60 30 2 65	Maximum Storage Ca 3000 6 5 90 30 2 60 30 2 60 30 2 60 30 2 9 9 0 30 2 95 0.97 98	3600 6 6 120 30 3 3 90 30 30 30 3 3 115	4800 6 8 120 30 4 120 30 4 120 30 4	6000 6 10 150 30 5 150 30 5 5 175	
1.2 &2ml /ials 25ml Jood bag 50ml Jood bag .N2 Capac Static Evap Static holdo	Number of Racks Boxes Per Rack 25ml blood bag Number of Racks No. of Blood bags Per Rack 50ml blood bag Number of Racks No. of Blood bags Per Rack Soml blood bags Per Rack sity (L) xoration Rate (L/day) over time (day)	2400 6 4 60 30 2 60 30 2 65 0.78	Maximum Storage Ca 3000 6 5 90 30 2 60 30 2 60 30 2 90 30 2 60 30 2 9 9 90 30 2 95 0.97	3600 6 6 120 30 3 90 30 33 90 30 33 90 30 33 90 30 33 90 30 33 90 30 33 91 115 0.94 91 92 94 94 94 94 94 94 95 94 95 95 96	4800 6 8 120 30 4 120 30 4 140 0.96	6000 6 10 150 30 5 150 30 5 5 175 0.95	
.2 &2ml /ials 25ml lood bag 50ml lood bag .N2 Capac Static Evap Static holdo	Number of Racks Boxes Per Rack 25ml blood bag Number of Racks No. of Blood bags Per Rack 50ml blood bag Number of Racks No. of Blood bags Per Rack sity (L) poration Rate (L/day) over time (day)	2400 6 4 60 30 2 60 30 2 65 0.78 83 216	Maximum Storage Ca 3000 6 5 90 30 2 60 30 2 60 30 2 60 30 2 9 9 0 30 2 9 9 9 0.97 98 Unit Dimensions	3600 6 6 120 30 3 90 30 3 90 30 3 90 30 3 90 30 3 115 0.94 122 123 123 123 124 124 124 124 124 124 124 124 124 <th 124<="" td="" th<=""><td>4800 6 8 120 30 4 120 30 4 120 30 4 140 0.96 146 216</td><td>6000 6 10 150 30 5 150 30 5 5 175 0.95 184</td></th>	<td>4800 6 8 120 30 4 120 30 4 120 30 4 140 0.96 146 216</td> <td>6000 6 10 150 30 5 150 30 5 5 175 0.95 184</td>	4800 6 8 120 30 4 120 30 4 120 30 4 140 0.96 146 216	6000 6 10 150 30 5 150 30 5 5 175 0.95 184
1.2 &2ml /ials 25ml blood bag 50ml blood bag Static Evap Static Evap Static holdo Veck Oper Dverall Hei	Number of Racks Boxes Per Rack 25ml blood bag Number of Racks No. of Blood bags Per Rack 50ml blood bag Number of Racks No. of Blood bags Per Rack Sity (L) poration Rate (L/day) pover time (day) ning (mm) ight (mm)	2400 6 4 60 30 2 60 30 2 65 0.78 83	Maximum Storage Ca 3000 6 5 90 30 2 60 30 2 60 30 2 60 30 2 Performance 95 0.97 98 Unit Dimensions 216	3600 6 6 120 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 3 90 30 90 30 90 30 90 30 9	4800 6 8 120 30 4 120 30 4 120 30 4 140 0.96 146	6000 6 10 150 30 5 150 30 5 5 175 0.95 184 216	
1.2 &2ml /ials 25ml blood bag 50ml blood bag Static Evap Static Evap Static holdo Veck Oper Dverall Hei	Number of Racks Boxes Per Rack 25ml blood bag Number of Racks No. of Blood bags Per Rack 50ml blood bag Number of Racks No. of Blood bags Per Rack 50ml blood bags Number of Racks No. of Blood bags Per Rack Sity (L) poration Rate (L/day) over time (day) ning (mm) ight (mm) neter (mm)	2400 6 4 60 30 2 60 30 2 65 0.78 83 216 765	Maximum Storage Ca 3000 6 5 90 30 2 60 30 2 60 30 2 60 30 2 Performance 95 0.97 98 Unit Dimensions 216 790	216 870 870 870 870 870 870 870 870 870	4800 6 8 120 30 4 120 30 4 120 30 4 140 0.96 146 216 960	6000 6 10 150 30 5 150 30 5 175 0.95 184 216 1060	

* Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the condition of container usage, atmospheric conditions, and manufacturing tolerances.

★★ Normal Working Duration is an arbitrary reference, applying to estimate container performance under normal operating conditions. Actual working time may vary due to atmospheric conditions, container usage history, manufacturing tolerances and individual patterns of usage. Divide static holding days by 1.6, and you get empirical value.

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