

Technical Parameters

Model		BioBank22K	BioBank52K	BioBank126K
Storage capacity				
Total LN2 capacity	L	430	798	1850
LN2 under truntable	L	48	118	320
S.S. Racks (100-well box)	EA	14	30	70
Layers/rack	EA	14	16	17
Vials of 1.2ml/2ml (100-well box)	EA	19600	48000	119000
S.S. Racks (25-well box)	EA	6	8	16
Layers/rack	EA	14	16	17
Vials of 1.2ml/2ml (25-well box)	EA	2100	3200	6800
Total Number of 1.2ml/2ml	EA	21700	51200	125800
S.S.rack (25ml blood bag)	EA	212	444	900
Layers/rack	EA	8	9	10
Blood bag of 25ml	EA	1696	3996	9000
S.S.rack (50ml blood bag)	EA	128	260	544
Layers/rack	EA	8	9	10
Blood bag of 50ml	EA	1024	2340	5440
S.S.rack (250ml blood bag)	EA	96	208	449
Layers/rack	EA	6	6	6
Blood bag of 250ml	EA	576	1248	2694
Specification				
Jacket sintering vaccum	Pa	$\leq 1 \times 10^{-5}$		
Temperature	℃	Top: -183~-186 Bottom: -193~-196		
Internal working diameter (step to opening)	In.	32	40	38
	mm	806	1015	957
Step height	In.	23	27	36
	mm	585.5 (2 layers)	692 (2 layers)	925 (2 layers)
Height (floor to opening)	In.	55	67	74
	mm	1391.5	1707	1882
Internal usable height	In.	32	38	40
	mm	810	962	1008
External diameter	In.	34	48	68
	mm	870	1212	1728
Internal working diameter	In.	30	41	59
	mm	750	1050	1500
Neck opening	In.	13	18	26
	mm	330	465	656
Empty weight	lb.	772	1433	2094
	kg	350	650	950
Maximum gross weight	lb.	926	1764	4299
	kg	420	800	1950
Power supply	VAC	110~240V, 50Hz/60Hz	110~240V, 50Hz/60Hz	110~240V, 50Hz/60Hz

Introduction

CryoSmart series realize real-time temperature and liquid level monitoring, remote monitoring, alarming and automatic backup the monitoring data in cold cloud platform. CryoSmart series combined with the advanced manufacturing technology and intelligent monitoring technology to meet different needs of professional users all over the world.

This kind of container provides high efficiency of large capacity sample cryopreservation which with light weight and small space occupying. It monitors the running real time status of containers and notify users once any problems occur ensuring stable running and samples storage security. Mainly apply to medical field and samples bank users who has demand for high-end products.

CryoSmart series have completely solved the technological difficulties of electronics information technology and low power consumption technology in -196°C low temperature application.

Key Features

- 1 Intelligent temperature real time monitoring
- 2 Intelligent liquid level real time monitoring
- 3 Intelligent remote alarm
- 4 Running data intelligent backup
- 5 Low power consumption
- 6 Replaceable battery
- 7 Ultra less liquid nitrogen consumption
- 8 Innovative overall appearance
- 9 Dual-lock construction
- 10 5 year vacuum warranty



CryoSmart series