

Cryobiobank Series



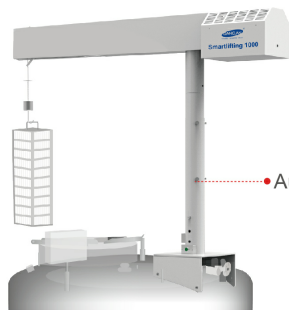
Model	Cryobiobank
Package	Wooden
Capacity	55L~320L(bottom)
Warranty	5 Years(vacuum), 1 Year(total)
Certification	CE, ISO 9000
Components	Stainless steel
Place of origin	Chengdu, China
After-sales Service	Online Support

Product Introduction

Cryobiobank series: a tank that is compatible with **vapor phase** and **liquid phase storage**. Based on **cryomonitor 3000** intelligent liquid nitrogen management system. The temperature difference in the whole storage area does not exceed 10°C, and the minimum temperature at the top of the cryorack can reach -190°C. It is mainly used for Biobank, Cord blood bank, biopharmaceutical company and other users with a large number of samples.

Features

- 01 Compatible with vapor phase and liquid phase storage
- 02 10 kinds of capacity models for your demand
- 03 Reliable temperature and liquid level monitoring
- 04 Perfect alarm system(remote monitoring and alarm through Internet)
- 05 Automatic refilling liquid nitrogen system
- 06 One-click defogging for easy searching and collecting
- 07 Prevent splashing of liquid nitrogen to ensure safe operation



Auxiliary lifting device

Smartlifting 1000

Package: Carton

Auxiliary lifting devices with different heights can be customized according to different models of Cryobiobank series products.



Cryobiobank 27K

Name	Model	Cryobiobank 13K	Cryobiobank 19K	Cryobiobank 27K	Cryobiobank 36K	Cryobiobank 43K	
Product Performance	LN2 tray bottom Capacity(L)	55	55	80	80	135	
	Volume of sample storage space(L)	262	361	454	627	694	
	Effective volume of tank(L)	350	460	587	783	890	
	Neck diameter(mm)	326	326	445	445	465	
	Internal height(mm)	600	828	600	828	773	
	Outer diameter(mm)	875	875	1104	1104	1190	
	Overall height(mm)include device	1326	1558	1321	1591	1559	
	Weight empty(kg)	219	277	328	372	441	
	Operating height of tank	1263	1212	1266	1216	980	
	Weight liquid full(kg)	502	649	802	1005	1160	
	Door width requirements≥mm	895	895	1124	1124	1210	
	Static evaporation rate%	1.55	1.45	1.35	1.25	0.85	
Supply Voltage	220VAC/24VDC	220VAC/24VDC	220VAC/24VDC	220VAC/24VDC	220VAC/24VDC		
Max storage capacity of 0.5ml cryo vials	Number of 0.5ml cryo vials	16900	24700	33800	48400	56100	
	Number of 0.5ml square canister 5×5	4	4	8	8	4	
	Number of 0.5ml square canister 10×10	12	12	24	24	32	
	Number of box 5×5	52	76	104	152	68	
	Number of box 10×10	156	228	312	456	544	
	0.5ml Layers	13	19	13	19	17	
	Size of 0.5ml cryo box 5×5	76*76*40	76*76*40	76*76*40	76*76*40	76*76*40	
	Size of 0.5ml cryo box 10×10	134*134*40	134*134*40	134*134*40	134*134*40	134*134*40	
	Size of 0.5ml cryo rack 5×5	82*84*42	82*84*42	82*84*42	82*84*42	82*84*42	
	Size of 0.5ml cryo rack 10×10	142*144*42	142*144*42	142*144*42	142*144*42	142*144*42	
	Max storage capacity of 2ml cryo vials(internal thread)	Number of 1.2/1.8/2ml cryo vials(internal thread)	13000	18200	26000	36400	42900
		Number of square canister 5×5	4	4	8	8	4
Number of square canister 10×10		12	12	24	24	32	
Number of box 5×5		40	56	80	112	52	
Number of box 10×10		120	168	240	336	416	
Layer fo square canister		10	14	10	14	13	
Size of 2ml cryo box 5×5		76*76*54	76*76*54	76*76*54	76*76*54	76*76*54	
Size of 2ml cryo box 10×10		134*134*54	134*134*54	134*134*54	134*134*54	134*134*54	
Size of 2ml cryo rack 5×5		82*84*56	82*84*56	82*84*56	82*84*56	82*84*56	
Size of 2ml cryo rack 10×10		142*144*56	142*144*56	142*144*56	142*144*56	142*144*56	
Max storage capacity of 2ml cryo box		Number of 2ml cryo vials(external thread)	5760	7680	11232	14976	18048
		Number of cryo rack	80	80	156	156	188
	Number of cryo box	720	960	1404	1872	2256	
	Layer of cryo rack	9	12	9	12	12	
	Size of cryo box	161*58*18	161*58*18	161*58*18	161*58*18	161*58*18	
	Size of cryo rack	163*62*23	163*62*23	163*62*23	163*62*23	163*62*23	
	Max storage capacity of 5ml cryo vials(short type)	Number of 5ml cryo vials(short type)	3744	5148	7488	10296	11880
		Number of 5ml square canister 3×3	4	4	8	8	4
		Number of 5ml square canister 6×6	12	12	24	24	32
		Number of cryo box 3×3	32	44	64	88	40
		Number of cryo box 6×6	96	132	192	264	320
		Layer of 5ml square canister	8	11	8	11	10
Size of 5ml cryo box 3×3		76*76*67	76*76*67	76*76*67	76*76*67	76*76*67	
Size of 5ml cryo box 6×6		134*134*67	134*134*67	134*134*67	134*134*67	134*134*67	
Size of 5ml cryo rack 3×3		82*84*70	82*84*70	82*84*70	82*84*70	82*84*70	
Size of 5ml cryo rack 6×6		142*144*70	142*144*70	142*144*70	142*144*70	142*144*70	
Max storage capacity of 5ml cryo vials(long type)		Number of 5ml cryo vials(long type)	5360	7504	10720	15008	18844
		Number of 5ml square canister 5×5	4	4	8	8	4
	Number of 5ml square canister 9×9	12	12	24	24	32	
	Number of cryo box 5×5	20	28	40	56	28	
	Number of cryo box 9×9	60	84	120	168	224	
	Layer of 5ml square canister	5	7	5	7	7	
	Size of 5ml cryo box 5×5	76*76*100	76*76*100	76*76*100	76*76*100	76*76*100	
	Size of 5ml cryo box 9×9	134*134*100	134*134*100	134*134*100	134*134*100	134*134*100	
	Size of 5ml cryo rack 5×5	82*84*102	82*84*102	82*84*102	82*84*102	82*84*102	
	Size of 5ml cryo rack 9×9	142*144*102	142*144*102	142*144*102	142*144*102	142*144*102	
	Max storage capacity of straw	Number of straw(0.5ml)	111312	131220	203040	253800	304920
		Number of straw(0.25ml)	254592	301120	468544	585680	699360
Number of Ø76 canister		52	52	112	112	120	
Number of Ø63 canister		8	8	0	0	16	
Number of Ø38 canister		28	12	24	24	40	
Layer of canister		4	5	4	5	5	
Height of layer		135	135	135	135	135	



Name	Model	Cryobiobank 13K	Cryobiobank 19K	Cryobiobank 27K	Cryobiobank 36K	Cryobiobank 43K
Max storage capacity of blood bag	Blood bag specification	Total number of blood bags	Total number of blood bags	Total number of blood bags	Total number of blood bags	Total number of blood bags
	25ml(791 OS/U)Total number of blood bags	1296	1728	2376	3168	3360
	25ml(791 OS/U)Number of layers	6	8	6	8	7
	25ml(791 OS/U)Number of blood bags	216	216	396	396	480
	50ml(4R9951)Total number of blood bags	792	1056	1416	1888	2072
	50ml(4R9951)Number of layers	6	8	6	8	7
	50ml(4R9951)Number of blood bags	132	132	236	236	296
	500ml(DF-200)Total number of blood bags	168	280	336	560	544
	500ml(DF-200)Number of layers	3	5	3	5	4
	500ml(DF-200)Number of blood bags	56	56	112	112	136
	250ml(4R9953)Total number of blood bags	300	500	552	920	944
	250ml(4R9953)Number of layers	3	5	3	5	4
	250ml(4R9953)Number of blood bags	100	100	184	184	236
	500ml(4R9955)Total number of blood bags	192	320	408	680	640
	500ml(4R9955)Number of layers	3	5	3	5	4
	500ml(4R9955)Number of blood bags	64	64	136	136	160
	700ml(DF-700)Total number of blood bags	96	128	204	272	320
	700ml(DF-700)Number of layers	3	4	3	4	4
	700ml(DF-700)Number of blood bags	32	32	68	68	80



Name	Model	Cryobiobank 50K	Cryobiobank 59K	Cryobiobank 76K	Cryobiobank 88K	Cryobiobank 95K
Product Performance	LN2 tray bottom Capacity(L)	135	265	300	320	320
	Volume of sample storage space(L)	808	995	1270	1445	1445
	Effective volume of tank(L)	1014	1340	1660	1880	1880
	Neck diameter(mm)	465	635	635	635	635
	Internal height(mm)	900	620	791	900	900
	Outer diameter(mm)	1190	1565	1565	1565	1565
	Overall height(mm)include device	1827	1398	1589	1883	1883
	Weight empty(kg)	495	851	914	985	985
	Operating height of tank	950	997	967	1097	1097
	Weight liquid full(kg)	1314	1934	2255	2504	2504
	Door width requirements≥mm	1210	1585	1585	1585	1585
	Static evaporation rate%	0.82	0.95	0.75	0.75	0.75
	Supply Voltage	220VAC/24VDC	220VAC/24VDC	220VAC/24VDC	220VAC/24VDC	220VAC/24VDC
Max storage capacity of 0.5ml cryo vials	Number of 0.5ml cryo vials	66000	81900	99450	117000	126500
	Number of 0.5ml square canister 5×5	4	18	18	18	13
	Number of 0.5ml square canister 10×10	32	54	54	54	60
	Number of box 5×5	80	252	324	360	260
	Number of box 10×10	640	756	972	1080	1200
	0.5ml Layers	20	14	18	20	20
	Size of 0.5ml cryo box 5×5	76*76*40	76*76*40	76*76*40	76*76*40	76*76*40
	Size of 0.5ml cryo box 10×10	134*134*40	134*134*40	134*134*40	134*134*40	134*134*40
	Size of 0.5ml cryo rack 5×5	82*84*42	82*84*42	82*84*42	82*84*42	82*84*42
	Size of 0.5ml cryo rack 10×10	142*144*42	142*144*42	142*144*42	142*144*42	142*144*42

Name	Model	Cryobiobank 50K	Cryobiobank 59K	Cryobiobank 76K	Cryobiobank 88K	Cryobiobank 95K	
Max storage capacity of 2ml cryo vials(internal thread)	Number of 1/2.1/8.2ml cryo vials(internal thread)	49500	58500	76050	87750	94875	
	Number of square canister 5×5	4	18	18	18	13	
	Number of square canister 10×10	32	54	54	54	60	
	Number of box 5×5	60	180	234	270	195	
	Number of box 10×10	480	540	702	810	900	
	Layer fo square canister	15	10	13	15	15	
	Size of 2ml cryo box 5×5	76*76*54	76*76*54	76*76*54	76*76*54	76*76*54	
	Size of 2ml cryo box 10×10	134*134*54	134*134*54	134*134*54	134*134*54	134*134*54	
	Size of 2ml cryo rack 5×5	82*84*56	82*84*56	82*84*56	82*84*56	82*84*56	
	Size of 2ml cryo rack 10×10	142*144*56	142*144*56	142*144*56	142*144*56	142*144*56	
Max storage capacity of 2ml cryo box	Number of 2ml cryo vials(external thread)	21056	22896	30528	35616	38192	
	Number of cryo rack	188	318	318	318	341	
	Number of cryo box	2632	2862	3816	4452	4774	
	Layer of cryo rack	14	9	12	14	14	
	Size of cryo box	161*58*18	161*58*18	161*58*18	161*58*18	161*58*18	
Max storage capacity of 5ml cryo vials(short type)	Size of cryo rack	163*62*23	163*62*23	163*62*23	163*62*23	163*62*23	
	Number of 5ml cryo vials(short type)	14256	16848	21060	25272	27324	
	Number of 5ml square canister 3×3	4	18	18	18	13	
	Number of 5ml square canister 6×6	32	54	54	54	60	
	Number of cryo box 3×3	48	144	180	216	156	
	Number of cryo box 6×6	348	432	540	648	720	
	Layer of 5ml square canister	12	8	10	12	12	
	Size of 5ml cryo box 3×3	76*76*67	76*76*67	76*76*67	76*76*67	76*76*67	
	Size of 5ml cryo box 6×6	134*134*67	134*134*67	134*134*67	134*134*67	134*134*67	
	Size of 5ml cryo rack 3×3	82*84*70	82*84*70	82*84*70	82*84*70	82*84*70	
Max storage capacity of 5ml cryo vials(long type)	Size of 5ml cryo rack 6×6	142*144*70	142*144*70	142*144*70	142*144*70	142*144*70	
	Number of 5ml cryo vials(long type)	21536	24120	33768	38592	41480	
	Number of 5ml square canister 5×5	4	18	18	18	13	
	Number of 5ml square canister 9×9	32	54	54	54	60	
	Number of cryo box 5×5	32	90	126	144	104	
	Number of cryo box 9×9	256	270	378	432	480	
	Layer of 5ml square canister	8	5	7	8	8	
	Size of 5ml cryo box 5×5	76*76*100	76*76*100	76*76*100	76*76*100	76*76*100	
	Size of 5ml cryo box 9×9	134*134*100	134*134*100	134*134*100	134*134*100	134*134*100	
	Size of 5ml cryo rack 5×5	82*84*102	82*84*102	82*84*102	82*84*102	82*84*102	
Max storage capacity of straw	Size of 5ml cryo rack 9×9	142*144*102	142*144*102	142*144*102	142*144*102	142*144*102	
	Number of straw(0.5ml)	365904	480168	600210	720252	671166	
	Number of straw(0.25ml)	839232	1101000	1376250	1651500	1543884	
	Number of Ø76 canister	120	234	234	234	232	
	Number of Ø63 canister	16	42	42	42	24	
	Number of Ø38 canister	40	54	54	54	39	
	Layer of canister	6	4	5	6	6	
	Height of layer	135	135	135	135	135	
	Max storage capacity of blood bag	Blood bag specification	Total number of blood bags	Total number of blood bags	Total number of blood bags	Total number of blood bags	Total number of blood bags
		25ml(791 OS/U)Total number of blood bags	4320	4716	5502	7074	7758
25ml(791 OS/U)Number of layers		9	6	7	9	9	
25ml(791 OS/U)Number of blood bags		480	786	786	786	862	
50ml(4R9951)Total number of blood bags		2664	2916	3402	4374	4905	
50ml(4R9951)Number of layers		9	6	7	9	9	
50ml(4R9951)Number of blood bags		296	486	486	486	545	
500ml(DF-200)Total number of blood bags		680	666	888	1110	1290	
500ml(DF-200)Number of layers		5	3	4	5	5	
500ml(DF-200)Number of blood bags		136	222	222	222	258	
250ml(4R9953)Total number of blood bags		1180	1170	1560	1950	2095	
250ml(4R9953)Number of layers		5	3	4	5	5	
250ml(4R9953)Number of blood bags		236	390	390	390	419	
500ml(4R9955)Total number of blood bags		800	828	1104	1380	1520	
500ml(4R9955)Number of layers		5	3	4	5	5	
500ml(4R9955)Number of blood bags	160	276	276	276	304		
700ml(DF-700)Total number of blood bags	400	396	528	660	775		
700ml(DF-700)Number of layers	5	3	4	5	5		
700ml(DF-700)Number of blood bags	80	132	132	132	155		