

Cryolab Series

Model	Cryolab
Package	Carton
Capacity	2L~50L
Warranty	5 Years(vacuum), 1 Year(total)
Certification	CE
Components	Aluminum Alloy
Place of origin	Chengdu, China
After-sales Service	Online Support

Product Introduction

Cryolab series: a **small** liquid tank for economic laboraotry, specially designed for biological samples or transport samples that require **long-term static storage**. There are two types of products: **storage type** and **transportation type**.

Features

- 01 Ultra-low evaporation loss of liquid nitrogen
- 02 Numbered index location for canisters
- 03 Straw Storage of large capacity
- 04 Supporting vial with canes
- 05 Safe liquid level monitoring system (optional)
- 06 Labor-saving roller base (optional)
- 07 Reliable and stable transfer pump (optional)



With PU Bag



Cryolab 30/50W



Vial With Canes



Parameter

Name	Model	Cryolab 2/30	Cryolab 2/35	Cryolab 3/50	Cryolab 6/50	Cryolab 10/50	Cryolab 10/80	Cryolab 10/125
Product Performance	LN2 Capacity(L)	2	2	3	6	10	10	10
	Neck Opening(mm)	30	35	50	50	50	80	125
	Static Evaporation Rate(L/D)	0.07	0.08	0.12	0.12	0.12	0.21	0.43
	Static Holding Time (d)	29	25	25	50	83	47	23
	Canister Diameter(mm)	19	25	38	38	38	63	97
Canister	Canister Height(mm)	120	120	120	120	120	120	120
	Number of Canister(ea)	3	3	6	6	6	6	1
	Capacity of 0.5ml Straws(Single Layer)	90	165	792	792	792	2244	—
	Capacity of 0.25ml Straws(Single Layer)	204	330	1788	1788	1788	5022	—
	Capacity of 0.5ml Straws(double-deck)	—	—	—	—	—	—	—
	Capacity of 0.25ml Straws(double-deck)	—	—	—	—	—	—	—
Tank Size	Overall Height(mm)	399	428	435	482	552	557	554
	Outer Diameter(mm)	223	204	223	300	300	300	300
	Weight Empty(kg)	2.8	2.6	3.1	4.8	6.1	6.2	6.3
	PU Bag	Y	—	Y	Y	Y	Y	—
Other Accessories	Lockable Lid	Y	Y	Y	Y	Y	Y	Y
	Roller Base	—	—	—	—	—	—	—
	Temp Sensor	—	—	Optional	Optional	Optional	Optional	Optional
	Liquid Level Sensor	—	—	Optional	Optional	Optional	Optional	Optional
	Data Recode and Remote Alarm	—	—	Optional	Optional	Optional	Optional	Optional
	Automatic Filling	—	—	—	—	—	—	—

Name	Model	Cryolab 13/50	Cryolab 15/50	Cryolab 20/50	Cryolab 25/50	Cryolab 30/50	Cryolab 30/80	Cryolab 30/125
Product Performance	LN2 Capacity(L)	13	15	20	25	31.5	31.5	31.5
	Neck Opening(mm)	50	50	50	50	50	80	125
	Static Evaporation Rate(L/D)	0.12	0.11	0.12	0.14	0.12	0.21	0.35
	Static Holding Time (d)	108	136	167	179	263	150	90
	Canister Diameter(mm)	38	38	38	38	38	63	97
Canister	Canister Height(mm)	276	120	120/276	120/276	120/276	120/276	120
	Number of Canister(ea)	6	6	6	6	6	6	6
	Capacity of 0.5ml Straws(Single Layer)	—	792	792	792	792	2244	5124
	Capacity of 0.25ml Straws(Single Layer)	—	1788	1788	1788	1788	5022	11640
	Capacity of 0.5ml Straws(double-deck)	1284	—	1284	1284	1284	3624	—
	Capacity of 0.25ml Straws(double-deck)	2832	—	2832	2832	2832	8460	—
Tank Size	Overall Height(mm)	623	591	672	700	705	709	704
	Outer Diameter(mm)	310	394	394	394	462	462	462
	Weight Empty(kg)	6.3	8.5	9.5	10.7	12.9	13	13
	PU Bag	Y	Y	Y	Y	Y	Y	Y
Other Accessories	Lockable Lid	Y	Y	Y	Y	Y	Y	Y
	Roller Base	—	—	—	—	Optional	Optional	Optional
	Temp Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Liquid Level Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Data Recode and Remote Alarm	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Automatic Filling	—	—	—	—	—	—	—



Cryolab 47/127-10L



Cryolab 47/127-10L



Name	Model	Cryolab 35/50	Cryolab 35/80	Cryolab 35/125	Cryolab 47/127	Cryolab 47/127L-10	Cryolab 50B/125	Cryolab 20B/50
Product Performance	LN2 Capacity(L)	35.5	35.5	35.5	47	47	50	20
	Neck Opening(mm)	50	80	125	127	127	125	50
	Static Evaporation Rate(L/D)	0.12	0.22	0.37	0.36	0.36	0.45	0.20
	Static Holding Time (d)	296	161	96	131	131	111	101
Canister	Canister Diameter(mm)	38	63	97	104	72	97	38
	Canister Height(mm)	120/276	120/276	120/276	120/276	276	120/276	120/276
	Number of Canister(ea)	6	6	6	6	10	6	6
	Capacity of 0.5ml Straws(Single Layer)	792	2244	5124	6714	—	5124	792
	Capacity of 0.25ml Straws(Single Layer)	1788	5022	11640	14070	—	11640	1788
	Capacity of 0.5ml Straws(double-deck)	1284	3624	9048	10704	8200	9048	1284
	Capacity of 0.25ml Straws(double-deck)	2832	8460	20760	23604	16400	20760	2832
Rack 2ml Vials	Number of Racks(ea)	—	—	—	—	—	—	—
	Size of Racks(mm)	—	—	—	—	—	—	—
	Size of Vial Boxes(mm)	—	—	—	—	—	—	—
	Layers of Racks(ea)	—	—	—	—	—	—	—
	Number of (1.2-2ml)Vials(ea)	—	—	—	1260	1260	—	—
Tank Size	Overall Height(mm)	749	753	748	718	718	818	672
	Outer Diameter(mm)	462	462	462	508	508	462	394
	Weight Empty(kg)	14.2	14.5	14.6	18.2	18.2	17.3	9.5
Other Accessories	PU Bag	Y	Y	Y	—	—	Y	Y
	Lockable Lid	Y	Y	Y	Y	Y	Y	Y
	Roller Base	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Temp Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Liquid Level Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Data Recode and Remote Alarm	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Automatic Filling	—	—	—	—	—	—	—

Name	Model	Cryolab 30B/50	Cryolab 30B/80	Cryolab 35B/50	Cryolab 35B/80	Cryolab 35B/125	Cryolab 50B/50	Cryolab 50B/80
Product Performance	LN2 Capacity(L)	31.5	31.5	35.5	35.5	35.5	50	50
	Neck Opening(mm)	50	80	50	80	125	50	80
	Static Evaporation Rate(L/D)	0.20	0.30	0.20	0.30	0.41	0.24	0.34
	Static Holding Time (d)	159	106	179	119	86	209	147
Canister	Canister Diameter(mm)	38	63	38	63	97	38	63
	Canister Height(mm)	120/276	120/276	120/276	120/276	120/276	120/276	120/276
	Number of Canister(ea)	6	6	6	6	6	6	6
	Capacity of 0.5ml Straws(Single Layer)	792	2244	792	2244	5124	792	2244
	Capacity of 0.25ml Straws(Single Layer)	1788	5022	1788	5022	11640	1788	5022
	Capacity of 0.5ml Straws(double-deck)	1284	3624	1284	3624	9048	1284	3624
	Capacity of 0.25ml Straws(double-deck)	2832	8460	2832	8460	20760	2832	8460
Tank Size	Overall Height(mm)	705	709	749	753	748	810	822
	Outer Diameter(mm)	462	462	462	462	462	462	462
	Weight Empty(kg)	12.9	13	14.2	14.5	14.6	17.2	17.2
Other Accessories	PU Bag	Y	Y	Y	Y	Y	Y	Y
	Lockable Lid	Y	Y	Y	Y	Y	Y	Y
	Roller Base	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Temp Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Liquid Level Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Data Recode and Remote Alarm	Optional	Optional	Optional	Optional	Optional	Optional	Optional
	Automatic Filling	—	—	—	—	—	—	—

※ Static evaporation and static holding time are theoretical values. Actual evaporation and holding time will be affected by the container usage, atmospheric conditions and manufacturing tolerance.