CryoCarrier Series
Introduction

CryoCarrier Series is the dry shipper containers. It is designed for biology, livestock breeding, research and medical fields. CryoCarrier Series enables the biological samples, straws, Cryo-vials and blood bags to transport under -150℃ environment. There is liquid nitrogen absorbent materials placed in the inner tank, avoids the risk of outflow of liquid nitrogen. The CryoCarrier dry shipper liquid containers meet the IATA standard and protect your valuable samples in safe condition for both customers and shipper during transportation.

Key Features

1 Vapor phase cryogenic storage

2 Robust and durable aluminum construction

3 Lockable lids

4 No spillage of liquid nitrogen

5 Available for biological samples straws, cryovials and blood bags

6 3 years vacuum warranty

Advantages

1 Reliable absorption material, rapid absorption of liquid nitrogen

2 Meet the standards of IATA (The international Transport Association)

3 Excellent construction and superior vacuum performance to ensures the maximum storage time

4 Unique stainless steel screen construction ensure samples storage space clean

5 Liquid level monitor(optional)
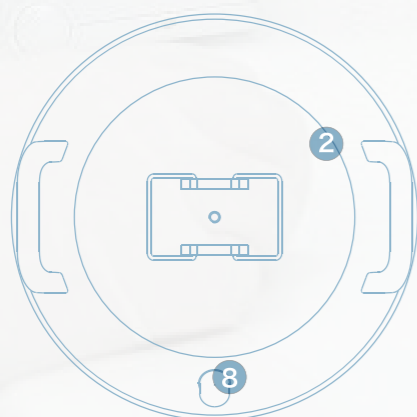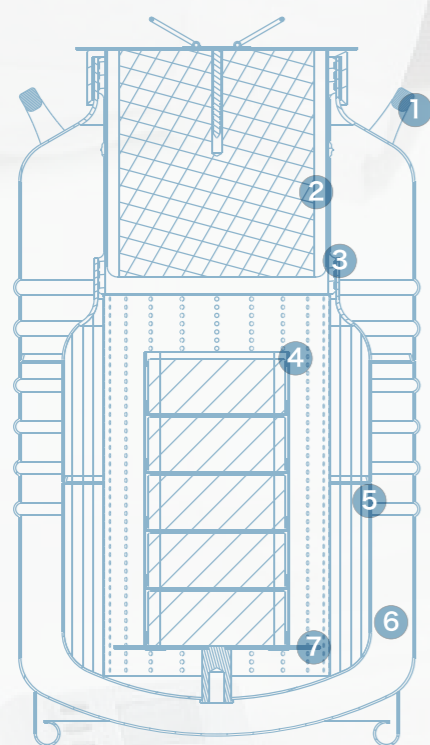
1. Handles
2. Cap Plug
3. Neck Tube
4. Canister
5. Liquid Nitrogen Absorption Layer
6. Vacuum Jacket
7. Stage
8. Vacuum Sealing Joint

Technical Specification

Model		CryoCarrier 3	CryoCarrier 6	CryoCarrier 8	CryoCarrier 10L CryoCarrier 10R	CryoCarrier 25R
Maximum Storage Capacity						
Straws	Number of Canister	1	1	1	1	1
	Number of Straws (0.5ml)	132	820	820	1508	——
	Number of Straws (0.25ml)	298	1780	1780	3324	——
Vials	No. of Rack	——	——	——	1	1
	Layer of Rack	——	——	——	4	5
	1.2ml/2ml Vials	——	——	——	100	500
Blood Bags (25ml)	No. of Rack	——	——	——	1	1
	Layer of Rack	——	——	——	2	3
	Number of 25ml bags	——	——	——	6	45
Blood Bags (50ml)	No. of Rack	——	——	——	1	1
	Layer of Rack	——	——	——	1	2
	Number of 50ml bags	——	——	——	3	30

Performance	CryoCarrier 3	CryoCarrier 6	CryoCarrier 8	CryoCarrier 10L/10R	CryoCarrier 25R
Capacity (L)	3	7.5	8.0	10	25
Static Evaporation Rate (L/Day)	0.16	0.20	0.22	0.43	0.84
Static holdover time (Day)	20	37	35	23	29

Unit Dimensions	CryoCarrier 3	CryoCarrier 6	CryoCarrier 8	CryoCarrier 10L/10R	CryoCarrier 25R
Neck Diameter (mm)	50	80	80	125	216
Overall Height (mm)	428	487	509	555	678
External Diameter (mm)	223	300	300	300	394
Canister Diameter (mm)	38	63	63	97	——
Canister Height (mm)	120	120	120	276	——
Weight Empty (KG)	3.2	4.9	6.2	5.9	11.2
Weight Full (KG)	4.3	7.3	9.0	8.7	19.0

★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 just 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.