

Introduction

CryoCarrier series is dry shipper containers. It is designed for biology, livestock breeding, research and medical fields and enables the biological samples, straws, cryovials or blood bags to transport below -150 °C environment. There is liquid nitrogen absorbent materials placed in the inner tank, which avoids the risk of outflow of liquid nitrogen. The CryoCarrier dry shipper meets the IATA and protect your valuable samples in safe conditions for both users and transporters during transportation.

Key Features

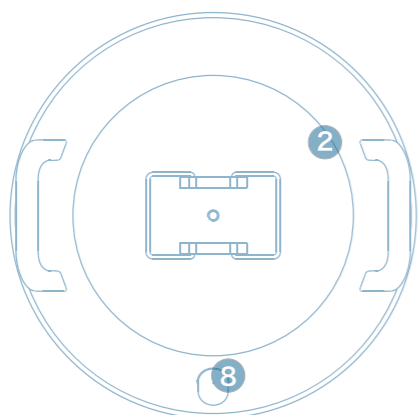
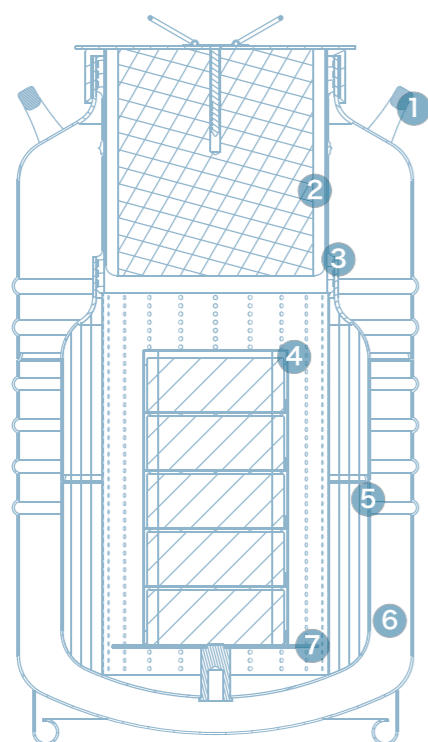
- 1 Vapor phase cryogenic storage
- 2 Robust and durable aluminum construction
- 3 Lockable lids
- 4 No spillage of liquid nitrogen
- 5 Available for biological samples straws, cryovials or blood bags
- 6 3 years vacuum warranty



CryoCarrier series

Advantages

- 1 Reliable absorption materials, rapid absorption of liquid N2
- 2 Meet the standard of IATA (The international Transport Association)
- 3 Excellent products construction and superior vacuum performance to ensures the maximum storage time
- 4 Unique stainless steel screen construction ensures samples storage space clean
- 5 All models optional equipped with liquid level monitor



- 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 Parameters

Model	CryoCarrier 3	CryoCarrier 5	CryoCarrier 8	CryoCarrier 10	CryoCarrier 15	CryoCarrier 20	CryoCarrier 25
Maximum Storage Capacity							
Straws	Number of Canister	1	1	1	1		1
	Number of Straws (0.5ml)	132	214	820	1508		
	Number of Straws (0.25ml)	298	472	1780	3324		
Vials	No. of Rack				1	1	1
	Layer of Rack				4	3	5
	1.2ml/2ml Vials				100	300	500
Blood Bags (25ml)	No. of Rack				1	1	1
	Layer of Rack				2	1	3
	Number of 25ml bags				6	15	45
Blood Bags (50ml)	No. of Rack				1	1	1
	Layer of Rack				1	1	2
	Number of 50ml bags				3	15	30

Performance							
Capacity (L)	3	5	7.5	10	15	20	25
Static Evaporation Rate (L/Day)	0.16	0.17	0.20	0.43	0.84	0.84	0.84
Static holdover time (Day)	20	31	37	23	18	25	29

Dimensions							
Neck Diameter (mm)	50	50	80	125	216	216	216
Overall Height (mm)	428	495	487	555	580	660	678
External Diameter (mm)	223	223	300	300	394	394	394
Canister Diameter (mm)	38	38	63	97			
Canister Height (mm)	120	276	120	276			
Weight Empty (KG)	3.2	3.4	4.9	5.9	8.5	9.7	11.2
Weight Full (KG)	4.3	6.5	7.3	8.7	13.8	17.1	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.