Technology in Motion

Liquid Nitrogen Biological Shipper

DryShipper 3.0

A new system that ensures temperature-sensitive sample shipment by combining Liquid Nitrogen cold quality with the ease of dry ice.

Save Money: Why spend your cash on logistics or on high cost material? Try our single-use system, and buy the DryShipper on demand.

Reduce the Risk of Specimen Loss: Due to our hard fiber craft construction, our containers can resist multiple shocks and effectively protect your most fragile biological samples.

Recycle: All the parts comprising our DryShippers are environmentally friendly. Moreover, our system uses liquid nitrogen (the major component of air) rather than dry ice, which evaporates and contributes to global warming.

Integrate into the Logistics Scheme: There is no need to use a specific logistics company. Just find the nearest distributorin your area.

CONTAINS CRYOGENIC LIQUID

Liquid Nitrogen Capacity	3.0 Liters	
Charged Weight	5.1 kg / 11.3 lb	
Autonomy	4 Days	
Canister Diameter	37.5 mm / 1.48 in	
Capacity	200 straws	0.25 mL
	100 straws	0.50 mL
	15 Cryotubes	2.00 mL

STREPRO™
REPRODUCTIVE TECHNOLOGIES

DryShipper 3.0

Environmentally Friendly

The DryShipper 3.0 is a single-use product exclusively developed for the shipment of biological materials with absorbed Liquid Nitrogen.

The DryShipper 3.0 is compliant with IATA standards, Special Provision A152. IATA compliance requires specific notification: "NOT RESTRICTED as per Special Provision A152" on the bill of lading.

The DryShipper is also ISTA 3A approved.

*Patent Pending WO 2008/125434

SPECIFICATIONS	
LN_2 Total Capacity	3.0 L
LN_2 Absorbed	2.5 L
Neck Diameter	38 mm
Charged Weight	5.1 kg (11.3 lb)
External Diameter	323 mm
Total Height	350 mm
Volume	0.028 m^3
Evaporation Rate	15 g/h
Dynamic Autonomy	4 days
Canisters	1
Canister Diameter	37.5 mm (1.48 in)
35-mm Goblet	1
0.25-mL Capacity	200 Straws
0.50-mL Capacity	100 Straws
1-mL Capacity	18 Cryotubes
2-mL Capacity	15 Cryotubes
5-mL Capacity	5 Cryotubes

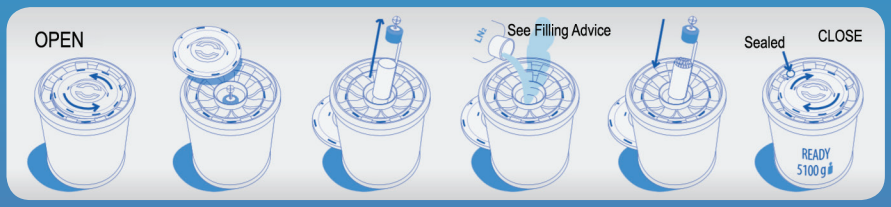
How to Fill the Tank

Step 1: Pre-Chilling
Gradually add small amounts of liquid nitrogen into the canister to pre-chill the unit slowly and to avoid excessive bubbling. When at apparent full capacity, allow to set for 1-2 hours to optimize absorption.

Step 2: Maximal Absorption
Refill the canister to a weight of about 5.1 kg (setting overnight is optimal).

Step 3: Sample Preparation
To be IATA compliant, pour out any extra liquid just prior to loading with frozen contents.

Step 4: Seal and Transport
Immediately load canister with frozen contents and seal the unit as shown.



STREPRO™ REPRODUCTIVE TECHNOLOGIES

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