Cryoport Express® Cryogenic HV2 Shipping System

The **Cryoport Express® Cryogenic HV2 Shipping System** is available for both general purpose and advanced therapy shipments to accommodate larger payloads and international shipping lanes.

This scientifically engineered liquid nitrogen dry vapor shipping system mitigates risk throughout transportation by leveraging our:

- Smartpak™ Condition Monitoring System
- Cryoportal® Logistics Management Platform
- Live View® Application
- 24/7/365 Customer Support

Recommended commodities: cell & gene therapies, vaccines, and other biologic materials.

ATS™

GP

Specifications

Temperature Range
-150°C or colder

Static Hold Time
Up to 13 days

Dynamic Hold Time
Up to 10 days

Exterior
22 L x 22 W x 28 H in / 55.88 x 55.88 x 71.12 cm

Interior Chamber
8.5 in / 21.59 cm diameter
12 in / 30.48 cm height
Note: Max commodity height 11.5 in / 29 cm

Weight - Dry
57 lb / 26 kg
Weight - Charged
77 lb / 35 kg

Capacity - Canes
Each cane holds 5 vials
- 6 Safepak® bags - 15 canes per bag (75 cryovials per bag, 450 cryovials total)
- 100 canes (2.0 ml per vial)
- 4 metal canisters (500 cryovials total)
- Max packout can hold up to 500 cryovials

Capacity - Boxes
- 5 Standard cryovial boxes (5 x 5 x 2 in / 127 x 127 x 51 mm)
- 1 Safepak® 1800 with optional Cryostrap®
- 1 Safepak® XL with optional Cryostrap®
- 1 metal cryovial box rack (5 boxes per rack)

Capacity - Blood Bag Cassettes
- 9 blood bag cassettes (up to 750 ml); additional quantities depending on blood bag cassette size
- 1 Safepak® Soft System 1800
- 1 Safepak® XL with optional Cryostrap®
- 1 metal blood bag cassette rack

Benefits

- A purpose-built hinged lid houses our Smartpak™ condition monitoring system to protect data reliability during transit. For added security, the lid can be affixed with a zip tie.
- The innovative 360-degree handle allows operators to easily manipulate the vapor plug using gloves and a single hand.
- Fleeced-lined vapor plug enhances the hold time and nitrogen evaporation rate (NER), regulating the temperature within the specimen chamber.
- Foam inside the enclosure reduces dewar movement, increases impact resistance, and provides more space for shipping documentation and accessories.
- Certification that cross-contamination from plant or animal materials is not a concern with Cryoport Systems' Advance Therapy Shippers® as nonhuman-based materials are prohibited in this shipper fleet.

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