

# Cryoport Express® Cryogenic HV3 Shipping System

The **Cryoport Express® Cryogenic HV3 Shipping System** has been reengineered to optimize storage capacity for air and ground transportation, operational efficiency, and mobility.

This liquid nitrogen dry vapor shipping system is available for general purpose shipments as well as larger cryogenic payloads and mitigates risk throughout the transportation process by leveraging our:

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

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



## 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

69 to 73 lb / 31 to 33 kg

### Weight - Charged

88 to 92 lb / 40 to 42 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

- With its retractable handle and robust wheels, the shipping system promotes safer maneuverability and may only require one operator as opposed to two.
- Mating top ridges and the formed base make it possible to properly stack and nest shipping systems at storage facilities and sites of care.
- Modular 360° foam coverage within the enclosure provides biologic materials with additional protection, enhanced impact resistance, and reduced dewar movement.
- The contoured base design enhances the contact area between the enclosure foam and the dewar, thereby reducing impact pressure while improving the enclosure's structural strength.
- Fits and complies with narrow-bodied aircraft to minimize costs, optimize the required hold time, avoid shipment delays, reduce potential fees related to palletization, and prevent rejection due to enclosure design.

## Contact Info

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## Stacking & Nesting Abilities

The interlocking top ridges and formed base allow for seamless stacking and nesting of two shipping systems, to maximize storage and available space during transportation. We recommend a maximum of two layers of stacking on a 48" x 48" pallet, which is equivalent to eight total shipping systems.

Additionally, the offset height ridges deter misorientation during both air and ground transport.



## Key Features

**Top Label Section:** Airline airway bills; Client labels; 12.5" x 12.5" area

**Integrated Handle:** Front-facing for easy access mobility

**Label Panel:** Dedicated space for classification labels and markings

**Nested Handles:** Located on both sides for easy lifting

**Integrated Wheels:** Robust and inset; easy mobility

**Double-action Steel Latches:** Promotes security and positive engagement

**Large Document Storage:** Nests between 2 ribs and sits on the foam. Fits 10" x 12" plastic travel pouch for shipping documents and non-temperature sensitive accessories

**Shipper Identification Label:** All client labels featured on one side

**Document Storage Dimensions:** 13.5" D x 8.75" L x 5.75" W

