

Cryoport Express® Cryogenic ST1 Shipping System - *Technical Specifications*

The Cryoport Express® Cryogenic Standard Shipping System is purpose-built for smaller payloads, offering reliable protection, certified compliance, and global reach for both general purpose and advanced therapy shipments.

Ordering Information

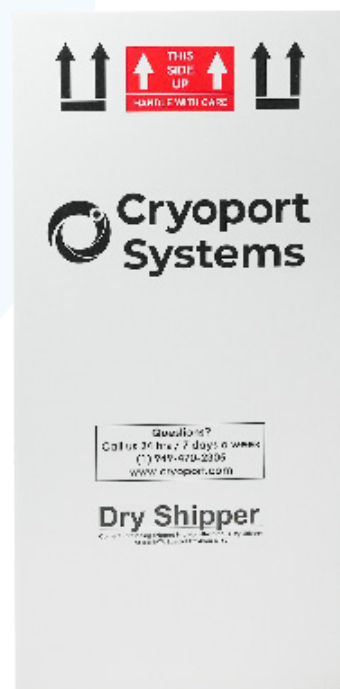
CXSTISPGP	Cryoport Express® Cryogenic ST1 Shipping System
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Product Specifications

Temperature Range	-150°C or colder
Static Hold Time	Up to 13 days
Dynamic Hold Time	Up to 10 days
Exterior Dimensions	14.75 L x 14.75 W x 26.75 H in 37.46 x 37.46 x 67.95 cm
Interior Chamber	3.1 in / 7.88 cm diameter 11.5 in / 29.21 cm depth
Weight - Dry	22 lb / 10 kg
Weight - Charged	25 lb / 12 kg

Payload Capacity

Capacity - Canes Each cane holds 5 vials 11 canes with sleeves - 55 cryovials - Safepak® 13 canes - 65 cryovials - Cannister 14 canes - 70 cryovials - Safepak® 15 canes - 75 cryovials
Capacity - Boxes 2 Cryoport cryovial boxes (5.75 W x 2 L x 2 H in / 146 x 51 x 51 mm) - 30 vials per box (60 total vials) *Cryoport cryovial boxes contain vials with 2.0 ml or less



Condition Monitoring Solutions

Smartpak™ Condition Monitoring System	- Records near real-time information - Track shipment's location - Records temperature, pressure, anti-tamper, orientation, humidity, and shock - Unsurpassed analytics contributes to the preservation of the shipped materials - Assists with planning, enroute mitigation, and reporting
Cryoportal® Logistics Management System	- Maintains data recorded by the Smartpak™ and provides 24/7 access to a shipment's location and condition - Integrates ordering, tracking, paperwork, and communications - Enhanced Security/GAMP Compliance (CRF 21 Part 11) - Audit logging system captures all changes made in the database - Built to uphold latest industry standards in web security and cross-site scripting prevention - Cryoportal® and Smartpak™ utilize the Live View® interface to display mobile-friendly data for "on-the-go" experience

Regulatory Testing

ISTA 3A	This test simulates typical shipping activity by subjecting the shipping systems to the worst-case scenarios associated with shipping and distribution.
ISTA 7E	This test evaluates the thermal performance of insulated shipping containers, with or without refrigerants, under controlled laboratory conditions. It uses pre-defined seasonal temperature profiles to replicate real-world distribution scenarios, ensuring the package maintains required temperature ranges. It is applicable to products up to 150 pounds.
ISTA 6-FedEx-A	General procedures simulating FedEx air and ground shipping environments for testing packaged products weighing up to 150 lbs. which includes drop, impact, compression, and vibration tests.
IATA CAT B	The testing evaluates the adequacy of the packaging to protect the payload (a Category B infectious substance) during a simulated distribution test, which includes drop, leakproofness, pressure differential, thermal shock, and vibration assessments, in accordance with the IATA Packing Instruction 650, Category B Infectious Substance Testing procedure.

Compatible Accessories



ACC-9123 | Smartpak II®

The Smartpak II® condition monitoring system provides near real-time cellular transmission tracking and reporting of location, temperature, pressure, humidity, orientation, and light.



ACC-9139 | Safepak®

Tyvek bag with integrated absorbent material used for secondary containment of infectious substances. This is a one-time use product.

- Holds up to 15 cryovial canes
- Holds up to 2, 65 mm goblets
- Holds up to 2 Cryoport cryovial boxes (5.75 W x 2 L x 2 H in / 146 x 51 x 51 mm)



ACC-9043 | Cryovial Box

Cryovial box with insert.

- Holds up to 30 cryovials
- Up to 2.0 ml



ACC-9149 | Canister

Reusable metal canister for shipments of reproductive medicine materials in canes and vials.

- Holds up to 14 specialty canes
- Cryoport Express® High Volume Shipping Systems can accommodate 1 metal canister for a total of 14 canes for an overall total of up to 70 cryovials per shipment



ACC-9033 | Cryovial Cane

Snap cryovials into place to create a protective seal that will remain intact during liquid nitrogen cooling.

- Holds up to 5 cryovials
- Up to 2.0 ml

Compatible Accessories



ACC-9052 | Cane Sleeve

Clear cryo-proof protective sleeve for ACC-9033 standard canes.

- Holds 1 cryovial cane



ACC-9175 | Goblets with Lifter

Lifter assembly with 2 goblets and covers.

- Dimensions (Goblet): 2.5 D x 4.25 H in / 63.5 x 107.95 mm



ACC-8975 | Lifter

For goblets, cryovials, and other payload pack out configurations.

- Dimensions: 0.875 W x 2.125 L x 11.125 H in / 22.23 x 53.97 x 282.58 mm



ACC-9051 | Absorbent Sleeve

Absorbent sleeve caddy used to ship cryovials. Vials not provided.

- Holds up to 6, 10 ml vials

U - SECURE

IF WORD "OPENED" APPEARS
DO NOT ACCEPT PARCEL

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ACC-9041 | Tamper Evident Seal

Serialized tamper-evident seal to secure the inner carton for leg 2 shipments.

- Dimensions: 9 W x 2 H in / 228.6 x 50.8 mm