

# Cryoport Express® C3™ Shipping System - *Technical Specifications*

Cryoport Express® C3™ Shipping Systems are available in refrigerated temperatures for both general purpose and advanced therapy shipments. Meanwhile, controlled room temperature is also available for advanced therapy shipments. Both will keep clinical samples and biologics at specified temperatures even when traveling through climate zones with drastically different temperatures and humidities.

## Ordering Information

<b>C3CH2I24SPGP</b>	Cryoport Express® C3™ Refrigerated Shipping System (GP)
<b>C3CH2I24SPHU</b>	Cryoport Express® C3™ Refrigerated Shipping System (ATS™)
<b>C3RTI124SPHU</b>	Cryoport Express® C3™ Controlled Room Temperature Shipping System (ATS™)

## Product Specifications

<b>Temperature Range</b>	<ul style="list-style-type: none"> <li>Refrigerated: 2°C - 8°C</li> <li>Controlled Room Temperature (CRT): 15°C - 25°C</li> </ul>
<b>Static Hold Time</b>	<p><b>Summer Profile</b></p> <ul style="list-style-type: none"> <li>Refrigerated: 96 hours</li> <li>CRT: 96 hours</li> </ul> <p><b>Winter Profile</b></p> <ul style="list-style-type: none"> <li>Refrigerated: 96 hours</li> <li>CRT: 72 hours</li> </ul>
<b>Exterior Dimensions</b>	16 W x 14 L x 15 H in / 41 x 36 x 38 cm
<b>Payload Space</b>	8.9 W x 8.9 L x 8.9 H in / 23 x 23 x 23 cm
<b>Tare Weight</b>	22 lb / 10 kg

## Payload Capacity

<p><b>Capacity - Blood Bag Cassettes</b></p> <ul style="list-style-type: none"> <li>Approximately 24 (250 ml) blood bag cassettes</li> </ul>
<p><b>Capacity - Boxes</b></p> <ul style="list-style-type: none"> <li>4 Standard cryovial boxes (5 x 5 x 2 in / 127 x 127 x 51 mm)</li> <li>20 Cryoport cryovial boxes (5.75 x 5 x 2 in / 146 x 51 x 51 mm)</li> </ul>



## Condition Monitoring Solutions

<b>Smartpak™ Condition Monitoring System</b>	<ul style="list-style-type: none"> <li>○ Records near real-time information</li> <li>○ Track shipment's location</li> <li>○ Records temperature, pressure, anti-tamper, orientation, humidity, and shock</li> <li>○ Unsurpassed analytics contributes to the preservation of the shipped materials</li> <li>○ Assists with planning, enroute mitigation, and reporting</li> </ul>
<b>Cryoportal® Logistics Management System</b>	<ul style="list-style-type: none"> <li>○ Maintains data recorded by the Smartpak™ and provides 24/7 access to a shipment's location and condition</li> <li>○ Integrates ordering, tracking, paperwork, and communications</li> <li>○ Enhanced Security/GAMP Compliance (CRF 21 Part 11)</li> <li>○ Audit logging system captures all changes made in the database</li> <li>○ Built to uphold latest industry standards in web security and cross-site scripting prevention</li> <li>○ Cryoportal® and Smartpak™ utilize the Live View® interface to display mobile-friendly data for "on-the-go" experience</li> </ul>

## Regulatory Testing

<b>ISTA 3A</b>	This test simulates typical shipping activity by subjecting the shipping systems to the worst-case scenarios associated with shipping and distribution.
<b>ISTA 7E</b>	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.
<b>ISTA 7D</b>	This test evaluates the effects of external temperature exposures on individually packaged products. Used during the manufacturer's product development phase, the focus of this test procedure is to determine the packaging's ability to protect its contents from varied temperature conditions which could be treating them as a single entity, rather than separate components.

## 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-9140 | Safepak® XL

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

- Holds up to 15 Cryoport cryovial boxes (5.75 W x 2 L x 2 H in / 146 x 51 x 51 mm); up to 400 ml
- Holds up to 9 blood bag cassettes - for additional security, we recommend using a Cryostrap®
- Holds up to 5 standard cryovial boxes (5 W x 5 L x 2 H in / 127 x 127 x 51 mm)



### ACC-9141 | Cryostrap®

Alternative to metal racks and compatible with Safepak® System.

- Hold up to 9 blood bag cassettes
- Hold up to 5 standard cryovial boxes (5 W x 5 L x 2 H in / 127 x 127 x 51 mm)
- Hold up to 12 Cryoport cryovial boxes (5.75 W x 2 L x 2 H in / 146 x 51 x 51 mm)

## Compatible Accessories



### ACC-9043 | Cryovial Box

Cryovial box with insert.

- Holds up to 30 cryovials
- Up to 2.0 ml



### ACC-10633 | Bubble Wrap

For additional protection and immobilization.

### U - SECURE

IF WORD "OPENED" APPEARS  
DO NOT ACCEPT PARCEL

XE8199223

### 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