Cryoport Cryomax® Cryogenic Shipping System - *Technical Specifications*

The Cryoport Cryomax® Cryogenic Shipping System is a large sample capacity cryogenic solution that can accommodate laboratory moves, consolidate your collection, or relocate your biorepository.
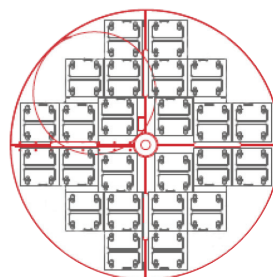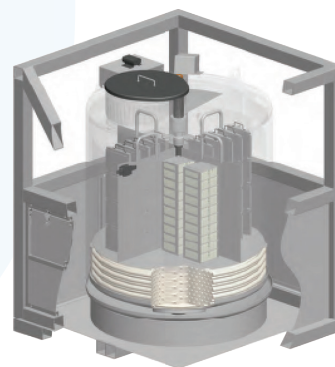
Ordering Information

C1536PD	Cryoport Cryomax® Cryogenic Shipping System

Product Specifications

Temperature Range	-150°C or colder
Static Hold Time	Up to 20 days
Exterior Dimensions	• Overall Height with Frame - 64 in / 163 cm • Liftover Height - 42.1 in / 107 cm • Footprint - 52 x 52 in / 132 x 132 cm • Step Height - 20.5 in / 52 cm • Depth of Fold Down Step - 10.8 in / 27 cm
Interior Dimensions	• Neck Opening - 17.5 in / 44 cm • Usable Internal Height - 30 in / 76 cm • Inner Diameter - 38.5 in / 98 cm
Weight - Dry	1875 lb / 850 kg
Weight - Charged	2145 lb / 973 kg

Payload Capacity

Storage Capacity - Racks & Boxes

○ 24 Racks (5.5 x 5.5 x 26 in / 140 x 140 x 660 mm) - 12 bays per rack 288 standard cryovial boxes (5 x 5 x 2 in / 127 x 127 x 51 mm) - 28,800 (1.2 & 2 ml) cryovials

○ 24 Racks (5.5 x 5.5 x 26 in / 140 x 140 x 660 mm) - 8 bays per rack 192 cryovial boxes (5 x 5 x 3 in / 127 x 127 x 76 mm) - 19,200 (2 ml) cryovials

LN2 Capacity

○ 133 liters absorbed

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 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.

Cryoport Systems

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-9146 | Cryovial Box Rack
Reusable box rack for cryovials.

- Holds up to 12 cryovial boxes
- Standard cryovial box sizes up to 5 W x 5 L x 2 H in / 127 x 127 x 51 mm
- Minimum box width is 5.5 in / 140 mm

ACC-9163 | Cryovial Box Rack
Reusable box rack for cryovials.

- Holds up to 8 cryovial boxes
- Standard cryovial box sizes up to 5 W x 5 L x 3 H in / 127 x 127 x 76 mm
- Minimum box width is 5.5 in / 140 mm

ACC-10633 | Bubble Wrap
For additional protection and immobilization.

ACC-9160 | Serialized Seal
Serialized blue tamper-evident seal that helps identify if shipment may have been compromised.