

# CRYOPORT EXPRESS® CRYOGENIC HV3 SHIPPING SYSTEM



## Shipment Loading Instructions

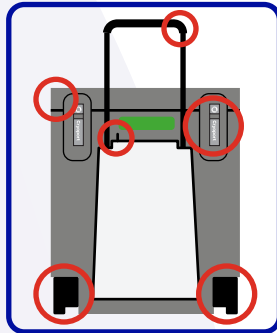
NEED HELP? CONTACT CRYOPORT SYSTEMS' CLIENT CARE AT (949) 470-2305 OR EMAIL CS@CRYOPORT.COM

### Step 1



Wear the appropriate Personal Protective Equipment (PPE) when handling cryogenic shipments.

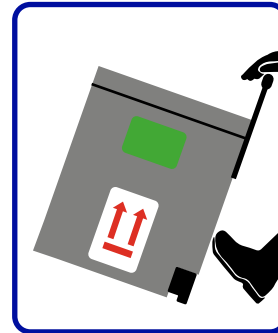
### Step 2



Once the shipping system arrives, check the enclosure and hardware for any damage that may have happened during transit.

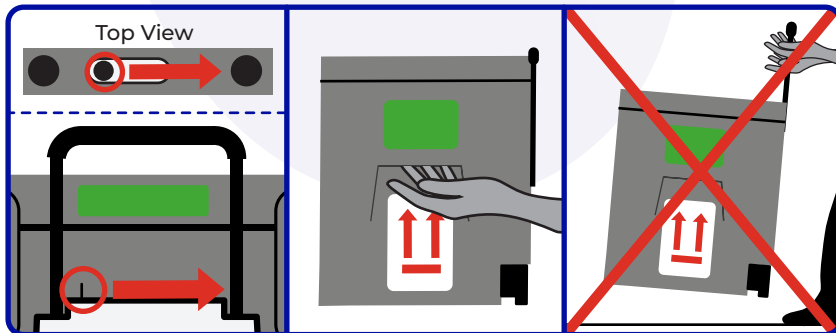
**NOTE: If you see any damage, please call Cryoport Systems' Client Care at (949) 470-2305.**

### Step 3



To lift the metal handle, see Step 4. Once the handle is up, hold it, place your foot at the bottom of the metal panel, tilt the shipping system back, and use the integrated wheels to move it to the desired location.

### Step 4

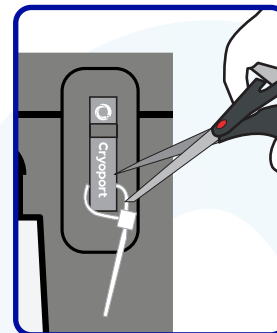


To unlock the metal handle, use one hand to slide the lever to the right and the other to lift or lower the handle.

**NOTE: If the metal handle is bent or broken, use the nested handles on the sides to move the shipping system.**

**WARNING: DO NOT CARRY THE SHIPPING SYSTEM BY THE HANDLE.**

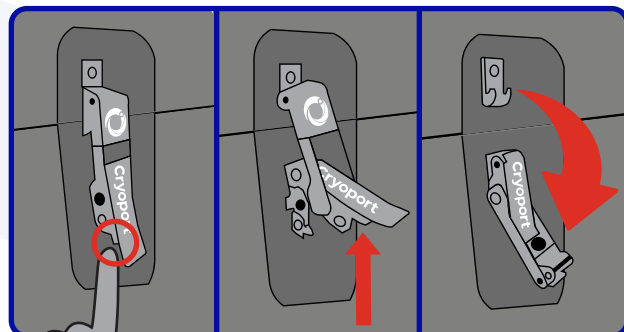
### Step 5



Use scissors to remove zip ties from both steel latches.

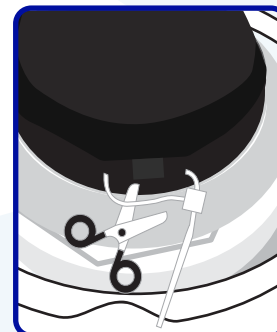
**NOTE: If a serialized zip tie is present, record the serialized number on all necessary documentation.**

### Step 6



To unlock the latches, push the button located behind the latch handle and lift. To disconnect the top, pull the latch away from the hooks.

### Step 7



To access the dewar, open the lid and cut off the zip tie on the hinged cap with scissors.

**NOTE: If a serialized zip tie is present, record the serialized number on all necessary documentation.**

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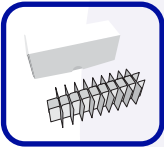


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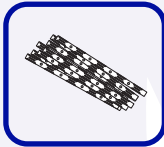
### Step 8

Before opening the hinged cap and removing the vapor plug, secure your payload with secondary packaging and/or a compatible accessory.

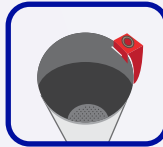
**ACC-9043 Cryovial Box**  
Holds 30 (2ml) vials.



**ACC-9033 Canes**  
Holds 5 (2ml) vials.



**ACC-9053 Stainless Steel Canister**  
4 canisters can be loaded into the dewar.



**ACC-9141 Cryostrap®**  
Use alone or with the Safepak® Systems to secure blood cassettes and cryovial boxes.



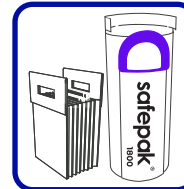
**ACC-9122 Cassette Rack**  
Holds 9 (9.5" x 6" x 0.5") cassettes.



**ACC-8905 Box Rack**  
Holds 5 (5.375" x 5.375" x 2.25") or 10 (5.5" x 2" x 2") boxes.

*NOTE: We recommend using Safepak® Systems for enhanced immobilization. For Category B infectious substances, please refer to the Safepak® System instructions.*

**SET-1000 Safepak® Soft System 1800**  
Holds 8 cassettes, any combination; 50 ml, 250 ml and 500 ml.



**SET-1001 Safepak® 1800**  
Holds 5 standard boxes (2" x 5" x 5")

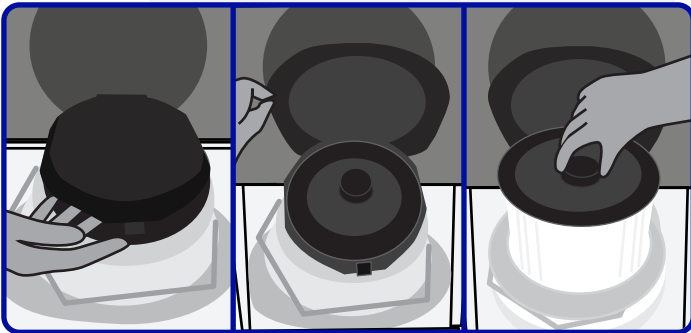


**ACC-9140 Safepak® XL**  
Holds 15 boxes (2" x 5.75" x 2"), 9 cassettes, 1 metal rack, or 5 standard boxes (2" x 5" x 5").



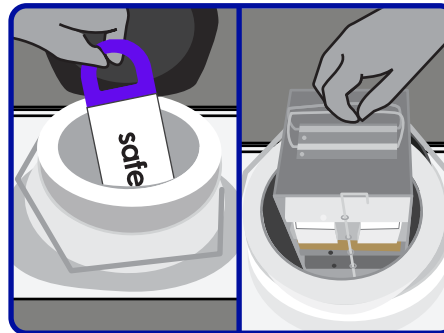
*NOTE: Precondition commodities and accessories before loading them into the payload chamber. Incorrect preconditioning of the materials can lower hold time by 20%.*

### Step 9



For additional stability, open the hinged cap and rest it against the enclosure lid. To remove the vapor plug, pull up on the circular handle located in the center. Place the vapor plug aside with the fleece lining facing up.

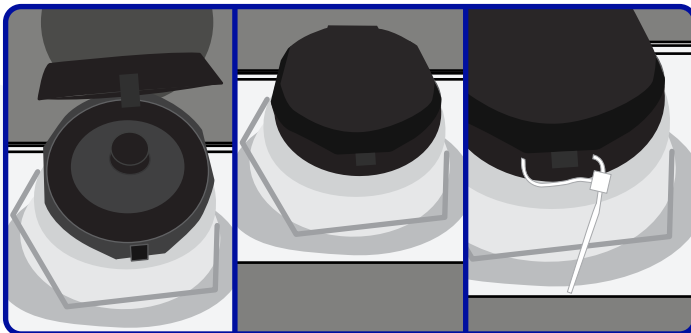
### Step 10



Slowly lower the packaged commodity into the dewar.

*NOTE: Make sure the commodity is placed at the bottom of the dewar, and doesn't obstruct the vapor plug.*

### Step 11



Reinsert the vapor plug. Close the hinged cap and secure it with a zip tie. Do not overtighten the zip tie as it will cause breakage.

*NOTE: If a serialized zip tie is present, record the serialized number on all necessary documentation.*

### Step 12



Locate the shipping envelope in the document storage compartment. Take out all of the labels/markings and place them on the metal panel.

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### Step 13 For International Shipments ONLY

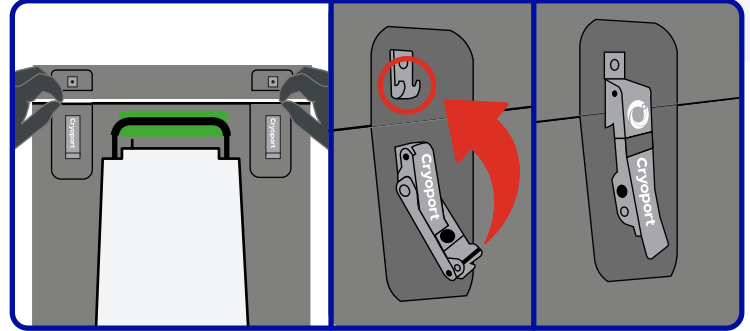


Sign and date the commercial invoices located in the Leg 2 envelope.



Return all shipping documents behind the Air Waybill, including any permits, forms, licenses, etc.

### Step 14



Close the lid and align it with the base. After aligning the enclosure, lift the latch handles and connect them to the hooks. Then, pull the latch handle down towards the enclosure until you hear a click to secure the latch. Complete this step for both latches.

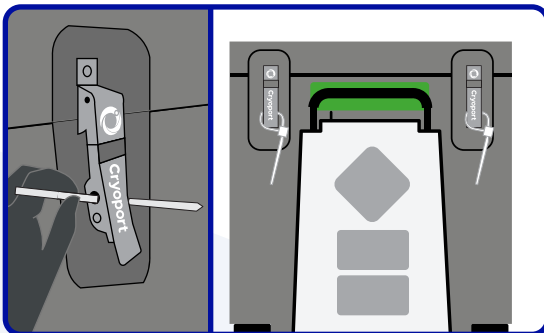
### Step 15



Pack the necessary documents into the Leg 2 envelope, with the air waybill on top. Then seal the envelope, remove the sticker backing, and place it on the enclosure's lid placard.

**NOTE: Documents will include the air waybill and the QA certification (if necessary).**

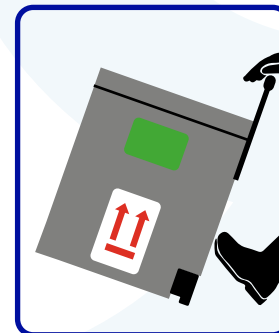
### Step 16



Insert the zip tie from left to right through each metal latch hole, wrap it around each latch, tighten it, and secure the lid.

**NOTE: If a serialized zip tie is present, record the serialized number on all necessary documentation.**

### Step 17



Place the shipping system on flat ground. See Step 4 to lift the metal handle with your hands, then place your foot at the bottom of the metal panel, tilt the shipping system back, and use the integrated wheels to move it to the desired location.

Clients must properly prepare shipments containing regulated dangerous goods or hazardous materials. Preparation includes correct identification, classification, packaging, markings, and labeling of dangerous goods, as well as completion of all necessary documentation in accordance with the International Air Transport Association (IATA) and International Civil Aviation Organization (ICAO) dangerous goods regulations.