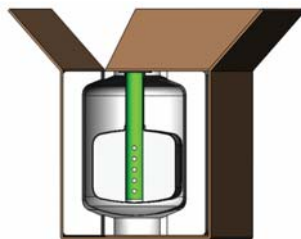


# MVE CryoCube™

The new MVE CryoCube is a secure cryogenic shipping option for your biological samples. The CryoCube incorporates creative engineering and simplistic design to allow shipping in any orientation without sacrificing temperature or hold time. Improved welded construction provides the CryoCube with consistent, high quality design with every unit. **The CryoCube allows for savings on dry ice, packaging, shipping cost, and disposal.**

## Features include:

- Charges in 2 hours
- Operates as a dry shipper
- -150° C temperature
- 5-day holding time
- Safe shipping in any orientation
- Safe for international shipping; IATA Dangerous Goods Regulations Exempt (Special Provision A152)
- Welded construction for added integrity



## MVE CryoCube™

### Maximum Storage Capacity

Number of Canisters	1
Number of 1/2 cc Straws in Bulk	88
Number of 1/4 cc Straws in Bulk	182
Number of 1.2 & 2.0 ml vials	6

### Performance

LN2 Capacity w/o Inventory (min) <i>L est.</i>	1.5
Static Holding Time (days)	5

### Unit Dimensions

Neck Opening <i>in. (mm)</i>	1.4 (35)
Overall Height <i>in. (mm)</i>	12.5 (317.5)
Overall Width <i>in. (mm)</i>	12 (305)
Overall Depth <i>in. (mm)</i>	12 (305)
Inner Canister Height <i>in. (mm)</i>	4.72 (120)
Inner Canister Diameter <i>in. (mm)</i>	1.25 (32)
Weight Empty <i>lb. (kg)</i>	7.5 (3.41)
Weight Charged <i>lb. (kg)</i>	10.2 (4.63)

### TWO Year Vacuum Warranty

Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU.

Visit [www.chartbiomed.com](http://www.chartbiomed.com) for more information.



# MVE CryoCube™

Safe, Secure, Cold.  
No matter where it travels.

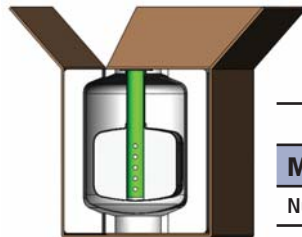


# MVE BL-7

The new MVE BL-7 (Biologicistic) is a secure cryogenic shipping option for your biological samples. The MVE BL-7 incorporates creative engineering and simplistic design to allow shipping in any orientation without sacrificing temperature or hold time. Improved welded construction provides the BL-7 with consistent, high quality design with every unit. **The MVE BL-7 allows for savings on dry ice, packaging, shipping cost, and disposal.**

## Features include:

- Charges in 2 hours
- Operates as a dry shipper
- -150° C temperature
- 7-day holding time
- Safe shipping in any orientation
- Welded construction for added integrity
- Safe for international shipping; IATA Dangerous Goods Regulations Exempt (Special Provision A152)



<b>BL-7</b>	
<b>Maximum Storage Capacity</b>	
Number of Canisters	1
Number of 1/2 cc Straws in Bulk	115
Number of 1/4 cc Straws in Bulk	270
Number of 1.2 & 2.0 ml vials	15
<b>Performance</b>	
LN2 Capacity w/o Inventory (min) <i>L est.</i>	2.1
Static Holding Time (days)	7
<b>Unit Dimensions</b>	
Neck Opening <i>in. (mm)</i>	1.97 (50)
Overall Height <i>in. (mm)</i>	15.0 (381)
Overall Width <i>in. (mm)</i>	12.64 (321)
Overall Depth <i>in. (mm)</i>	12.64 (321)
Inner Canister Height <i>in. (mm)</i>	5.00 (127)
Inner Canister Diameter <i>in. (mm)</i>	1.50 (38)
Weight Empty <i>lb. (kg)</i>	9.26 (4.2)
Weight Charged <i>lb. (kg)</i>	13.01 (5.9)

### TWO Year Vacuum Warranty

Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU.

**Visit [www.chartbiomed.com](http://www.chartbiomed.com) for more information.**



# MVE BL-7

Safe, Secure, Cold.  
No matter where it travels.

## MVE YDH-1-200

The MVE YDH-1-200 is a cross-town vapor shipper designed specifically for local use and short-term deliveries. MVE's creative engineering, simplistic design, and finely welded construction make the MVE YDH-1-200 efficient, resulting in savings on dry ice, packaging, and disposal.

### Features include:

- Convenient neck opening
- Secure shipping for biological samples
- Secure lid
- Charges in under 2 hours
- Safe for international shipping; IATA Dangerous Goods Regulations Exempt (Special Provision A152)



### MVE YDH-1-200

#### Maximum Storage Capacity

Secure Shipping for Biological Samples

#### Performance

LN2 Capacity (min) L 1

Static Holding Time\* hours 8

#### Unit Dimensions

Neck Opening in (mm) 7.87 (200)

Overall Height in (mm) 12.6 (320)

Outside Diameter in (mm) 11.3 (287)

Usable Payload Space in (mm) 3.75 (95) height x 7.87 (200) dia.

Weight Empty lb. (kg) 12.79 (5.8)

Weight Charged vapor lb. (kg) 14.55 (6.6)

\* Static holding time is nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

YDH=Chinese GB-Standard Vapor Shipper Description; 1=One Liter Nominal, 200=Neck Diameter (200mm, 7.9 inches)

#### TWO Year Warranty

Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU.

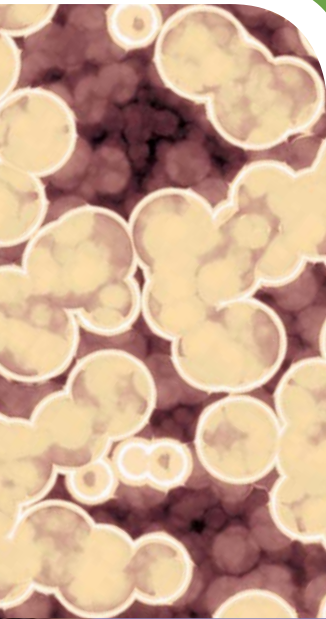
Visit [www.chartbiomed.com](http://www.chartbiomed.com) for more information.

## MVE YDH-1-127

The MVE YDH-1-127 is a cross town vapor shipper designed for local usage and short-term deliveries. MVE's creative engineering, simplistic design, and finely-welded construction makes the MVE YDH-1-127 efficient, with savings on dry ice, packaging, and disposal.

### Features include:

- Convenient neck opening
- Secure shipping for biological bag
- Secure lid
- Charges in 2 hours
- Safe for international shipping; IATA Dangerous Goods Regulations Exempt (Special Provision A152)



### MVE YDH-1-127

#### Maximum Storage Capacity

Secure shipping for biological samples

#### Performance

LN2 Capacity (min) L 1

Static Holding Time\* hours 15

#### Unit Dimensions

Neck Opening in (mm) 5 (127)

Overall Height in (mm) 15.75 (400)

Outside Diameter in (mm) 7.68 (195)

Usable Payload Space in (mm) 7 (180) height x 5 (127) diameter

Weight Empty lb. (kg) 5.5 (2.5)

Weight Charged vapor lb. (kg) 7.7 (3.5)

\* Static holding time is nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

YDH=Chinese GB-Standard Vapor Shipper; Description, 1=One Liter Nominal, 127=Neck Diameter (127 mm, 5 inches)

#### TWO Year Warranty

Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU.

Visit [www.chartbiomed.com](http://www.chartbiomed.com) for more information.

## MVE CryoShipper CT-50

The MVE CryoShipper CT-50 is specifically engineered to ship one to two 25 mL blood bags. Our unique rack design that holds one to two blood bags helps limit sample movement during transit.

### Features include:

- Cassette Retrieval
- Secure shipping for one to two 25 mL blood bags
- Datalogger option is available
- Charges in 2 hours
- Safe for international shipping; IATA Dangerous Goods Regulations Exempt (Special Provision A152)



### MVE CryoShipper CT-50

#### Maximum Storage Capacity

Number of Blood Bags 25 mL	2
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#### Performance

LN2 Capacity (min) L est.	5
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Static Evaporation Rate* L/day	0.5
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Static Holding Time* days	10
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#### Unit Dimensions

Neck Opening in (mm)	3.82 (97)
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Overall Height in (mm)	15 (380)
------------------------	----------

Outside Diameter in (mm)	14.5 (368)
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Weight Empty lb. (kg)	17.6 (8)
-----------------------	----------

Weight Charged vapor lb. (kg)	26.45 (12)
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\* Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

CT = Cell Therapy

#### TWO Year Tank Warranty

Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU.

Visit [www.chartbiomed.com](http://www.chartbiomed.com) for more information.

## MVE CryShipper CT-250

The MVE CryShipper CT-250 is engineered specifically to be able to ship one to two 250 mL blood bags. Our unique rack design helps limit sample movement during transit. This cryoshipper holds one cassette retrieval rack designed to hold one or two 250 mL cassettes.

### Features include:

- CT250 Frame puller
- Secure shipping for one to two 250 mL blood bags
- Charges in under 2 hours
- Safe for international shipping; IATA Dangerous Goods Regulations Exempt (Special Provision A152)



### MVE CryShipper CT-250

#### Maximum Storage Capacity

Number of Blood Bags 250 mL	2
-----------------------------	---

#### Performance

LN2 Capacity (min) L	8
Static Evaporation Rate* L/day	0.8
Static Hold Time* days	10

#### Unit Dimensions

Neck Opening in (mm)	6.5 (165)
Overall Height in (mm)	19.8 (502)
Outside Diameter in (mm)	16.0 (406)
Weight Empty lb. (kg)	24.3 (11)
Weight Charged vapor lb. (kg)	38.6 (17.5)
Frame Puller Height in (mm)	15.2 (385)
Frame Puller Width in (mm)	6.3 (161)

\* Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

CT = Cell Therapy

#### TWO Year Tank Warranty

Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU.

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## MVE CryShipper 2000

The MVE CryShipper 2000 is engineered specifically to ship large quantities of 1.2 and 2.0 mL vials. The new design can also store samples in liquid nitrogen after arrival at its destination.

### Features include:

- Large capacity vapor shipments
- Low liquid nitrogen consumption
- -150°C or colder
- Protective shipping container available
- Datalogger accessory is available
- Charges in under 2 hours
- Safe for international shipping; IATA Dangerous Goods Regulations Exempt (Special Provision A152)



### MVE CryShipper 2000

Maximum Storage Capacity	
Number of Square Racks	4
Number of Boxes per Rack	5
Number of 1.2 & 2.0 mL vials (100/box)	2000
Performance	
LN2 Capacity (min) L	65
Static Evaporation Rate* L/days	0.79
Static Holding Time days	15
Unit Dimensions	
Neck Opening in (mm)	8.5 (215.9)
Overall Height in (mm)	27.2 (692)
Outside Diameter in (mm)	22.0 (559)
Weight Empty lb. (kg)	65 (29.5)
Weight Charged vapor lb. (kg)	95 (43.1)
Weight Full lb. (kg)	185 (83.9)

\* Static evaporation rate and static holding time are nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances.

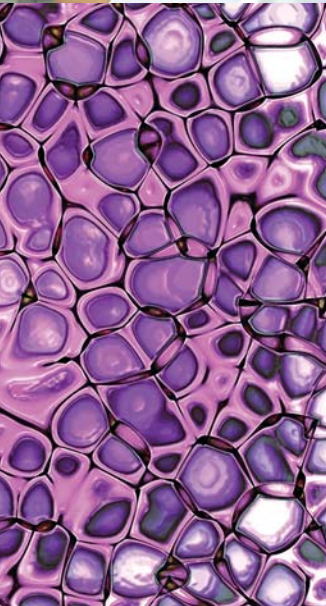
**TWO Year Warranty • THREE Year Vacuum Warranty**

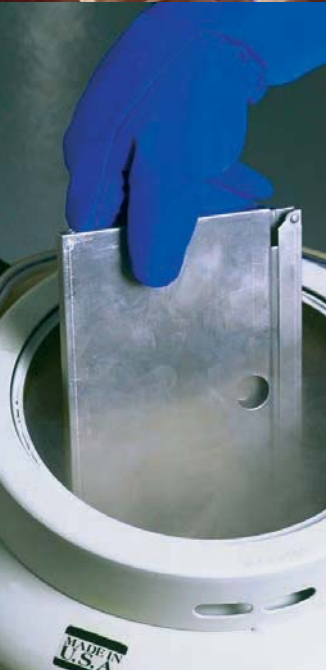
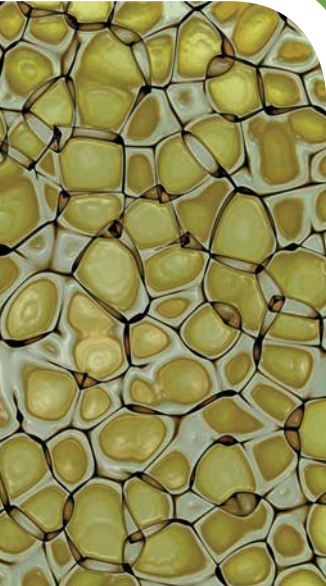
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# MVE CryShipper Series

## Featuring Advanced QWick™ Charge Technology

The MVE CryShipper Series is designed for the safe transportation of biological samples at cryogenic (-150°C or colder) temperatures. MVE CryShipper Series utilizes the Advanced QWick Charge Technology that will charge the vapor shipper in two hours, providing the benefit of same-day vapor shipping. Manufactured from durable, lightweight aluminum, the vapor shippers employ a hydrophobic compound which absorbs the liquid nitrogen to ensure dry, spill-free vapor-phase shipping. Protective shipping containers are available for most models.

A protective shipping carton is available for most models. These containers may be used to ship your samples with a “non-hazardous” classification throughout the world, thus reducing costs and helping to assure sample viability.

### Features Include:

- Protective shipping containers ensure upright shipping
- Low liquid nitrogen consumption
- Convenient lightweight package
- **CHARGES IN TWO HOURS**

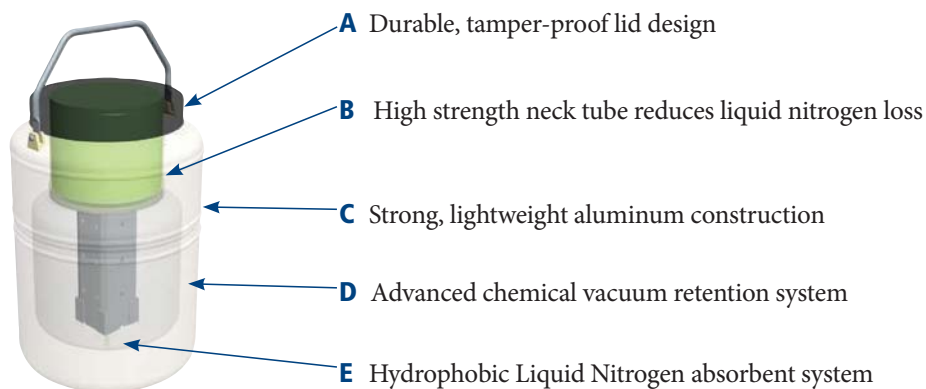


**ADVANCED**  
QWick Charge Technology

Charges in under 2 hours

Ref 2088994 Rev A

## Tank Features



	SC 2/1V	SC 4/2V	SC 4/3V		XC 20/3V**	Mini Moover	Cryo-Moover	Cryo Shipper Mini	Cryo Shipper	CryoShipper XC	IATA
<b>Maximum Storage Capacity</b>											
No. of Canisters	1	1	1		4 + 1 Center	1	7	-	1 Rack	-	Stainless Steel Secondary Container
No. of 1/2 cc Straws 10/cane	-	280	120		2500/2000**	60	3080	-		-	
No. of 1/2 cc Straws 1 Level Bulk	88	440	210		3750/3000**	88	4354	-		-	
No. of 1/4 cc Straws 1 Level Bulk	182	938	452		7410/6000	185	-	-		-	
No. of 1.2 & 2.0 ml Vials 5/cane	-	95	40		675/560**	20	945	-		-	
No. of 1.2 & 2.0 ml Vials 6/cane	-	102	48		840/672**	24	1134	-		500	
No. of blood bags stored 4R9953	-	-	-		-	-	-	-	10	10	
<b>Performance</b>											
<b>Liquid Nitrogen Capacity</b> L est.	1.5	3.6	4.3		6.8	2.9	4.2	5.9	8.5	10.0	11.8
<b>Static Holding Time</b> Days	8	13	21		16	14	12	7	10	14	14
<b>Static Evaporation Rate*</b> L/day	0.19	0.26	0.20		0.35	0.20	0.35	0.84	0.85	0.85	0.80
<b>Unit Dimensions</b>											
<b>Neck Opening</b> in (mm)	1.40 (35.0)	2.75 (70.0)	2.00 (51.0)		3.81 (96.7)	1.40 (35.0)	3.80 (97.0)	8.50 (216.0)	8.50 (216.0)	8.50 (216.0)	8.50 (216.0)
<b>Overall Height</b> in (mm)	13.5 (343)	18.4 (468)	19.4 (492)		25.0 (635)	19.5 (495)	22.0 (558)	20.0 (508)	21.5 (546)	23.0 (584)	24.0 (610)
<b>Outside Diameter</b> in (mm)	7.25 (184)	8.70 (222)	8.70 (222)		14.50 (368)	7.20 (184)	18.30 (464)	11.60 (295)	14.50 (369)	15.00 (381)	15.00 (381)
<b>Canister Height</b> in (mm)	5.0 (127)	11.0 (278)	11.0 (278)		11.0 (278)	11.0 (278)	11.0 (278)	-	-	12.5 (317.5#)	8.5 (215)
<b>Canister Diameter</b> in (mm)	1.20 (31)	2.62 (67)	1.81 (46)		3.20 (80)	1.20 (31)	3.10 (79)	-	-	-	7.50 (190)
<b>Weight Empty</b> lb. (kg)	6.0 (2.7)	10.0 (4.5)	11.6 (5.3)		24.1 (10.9)	9.0 (4.1)	30.5 (13.8)	23 (10.4)	26.1 (11.8)	33.0 (15.0)	33.0 (15.0)
<b>Weight Charged vapor</b> lb. (kg)	8.0 (3.6)	17.1 (7.7)	19.1 (8.7)		34.0 (15.4)	13.7 (6.2)	40.9 (18.6)	32 (14.5)	39.0 (17.7)	49.0 (22.2)	50.5 (22.9)
<b>Weight Full liquid</b> lb. (kg)	9.0 (4.1)	20.0 (9.1)	21.0 (9.5)		38.4 (17.4)	15.5 (7.0)	87 (39.5)	45 (20.4)	54.5 (24.7)	73.0 (33.1)	73.0 (33.1)

\* Without inventory

\*\* Optional center absorbent added to center canister (3 week holding time).

**TWO Year Parts Warranty • THREE Year Vacuum Warranty**

Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU.