

# MVE Vapor Shippers

MVE Vapor Shippers are designed for the safe transportation of biological samples at cryogenic (-150°C or colder) temperatures. Manufactured from durable, lightweight aluminum, they employ a hydrophobic compound which absorbs the liquid nitrogen to ensure spill-free shipping. Because the absorbent is hydrophobic, it also repels moisture and humidity, assuring maximum holding time and eliminating the necessity to dry units between uses.

A protective shipping carton is available for all models (except the SC 20/12V). This carton protects the container from being placed on its side and helps withstand the rigors of transportation. 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.

## Product Specifications



MODEL	SC 2/1V	SC 4/2V	SC 4/3V	SC 20/12V	XC 20/3V*
<b>MAX. STORAGE CAPACITY</b>					
Number of canisters	1	1	1	6	4 + 1 Center
No. of 1/2 cc straws 10/cane	-	280	120	540	2500/2000*
<b>No. of 1/2 cc straws 1 Level Bulk</b>	<b>88</b>	<b>440</b>	<b>210</b>	<b>780</b>	<b>3750/3000*</b>
No. of 1/4 cc straw 1 Level Bulk	182	938	452	1630	7410/6000
No. of 1.2 & 2.0 ml vials 5/cane	-	95	40	150	675/560*
No. of 1.2 & 2.0 ml vials 6/cane	9	106	48	180	840/672*
No. of blood bags stored 4R9953	-	-	-	-	-
<b>PERFORMANCE</b>					
Liquid nitrogen capacity l	1.5	3.6	4.3	12.3	6.8
Static evaporation rate l/day	0.19	0.26	0.20	0.09	0.3
Static holding time days	<b>8</b>	<b>13</b>	<b>21</b>	<b>85</b>	<b>23</b>
<b>UNIT DIMENSIONS</b>					
Neck opening in (mm)	1.4 (35)	2.75 (70)	2 (51)	2 (51)	3.81 (96.7)
Overall height in (mm)	13.5 (343)	18.4 (468)	19.4 (492)	25.7 (652)	25 (635)
Outside diameter in (mm)	7.25 (184)	8.7 (222)	8.7 (222)	14.5 (368)	14.5 (368)
Canister height in (mm)	5 (127)	11 (278)	11 (278)	11 (79)	11 (278)
Canister diameter in (mm)	1.2 (31)	2.62 (67)	1.81 (46)	1.5 (38)	3.2 (80)
Weight empty lb. (kg)	6 (2.7)	11 (5)	13 (5.9)	30 (13.6)	23 (10.5)
Weight charged lb. (kg)	8.8 (4)	17 (7.7)	20 (9.3)	52 (23.6)	35 (16)

### THREE Year Vacuum Warranty

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



5-Level Rack



Canes



Measuring Stick



Cryo Block



Cork

# IATA Shipper -150C Specimen Transport

MVE's IATA Dewar has been independently tested and approved to meet current UN and IATA regulations concerning the transportation of potentially infectious substances. Test Data and Reports are available upon request.

\* Please note that ALL other models of MVE Vapor Shippers can be legally transported by air (when shipping specimens that are not classified as or known to be potentially infectious).



Mini Moover	Cryo Shipper Mini	Cryo Moover	Cryo Shipper	Cryo Shipper XC	IATA
1	-	7	1 Rack	-	1 Rack
60	-	3080	-	-	-
88	-	4354	-	-	-
8904	-	-	-	-	-
20	-	945	-	-	-
24	-	1134	500	966 (Bulk)	-
-	-	-	10	10	-
2.9	5.9	4.2	8.5	10	11.8
0.20	0.84	0.35	0.85	0.7	0.8
14	7	12	10	14	14
1.4 (35)	8.5 (216)	3.8 (97)	8.5 (216)	8.5 (216)	8.5 (216)
19.5 (495)	20 (508)	22 (558)	21.5 (546)	23 (584)	24 (610)
7.2 (184)	11.6 (295)	18.3 (464)	14.5 (369)	15 (381)	15 (381)
11 (278)	-	11 (278)	-	12.5 (317.5**)	-
1.2 (31)	-	3.1 (79)	-	-	-
8 (3.6)	16.5 (419)	30.5 (13.8)	24 (10.9)	30 (13.6)	29 (131)
11.6 (5)	34.3 (871)	38 (17.2)	37.5 (17)	47 (21.4)	50.5 (22.9)

Static evaporation rate and static holding times are nominal. Actual rate and holding time will be affected by the nature of container use, atmospheric conditions, and manufacturing tolerances. Without center absorbent canister two week holding time, greater storage capacity.

\* With center absorbent canister (3 week holding time)

\*\* Useable Height



Phase Separators



Gloves



Vapor Inserts



25 Vial Boxes