

MVE Vapor Shippers



MVE Vapor Shipper containers are designed for the safe transportation of biological samples at cryogenic (-150°C or colder) temperatures. Fabricated from durable, lightweight aluminum, they employ a hydrophobic absorbent that contains the liquid nitrogen for “spill free” shipping. The absorbent also repels moisture and humidity, assuring the maximum holding time. This eliminates the necessity to dry units between uses. A protective shipping carton is available for all models (except the SC 20/12V) which protects the container from being placed on its side and helps in withstanding 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*	Mini Moover	Cryo Moover	Cryo Shipper	Cryo Shipper XC
MAX. STORAGE CAPACITY									
Number of canisters	1	1	1	6	4 + 1 Center	1	7	1 Rack	-
No. of 1/2 cc straws (10/cane)	-	280	120	540	2,500 / 2,000*	60	3080	-	-
No. of 1/2 cc straws (1 Level Bulk)	88	440	210	780	3,750 / 3,000*	88	4354	-	-
No. of 1/4 cc straw (1 Level Bulk)	182	938	452	6,750 / 6,000*	7,410 / 6,000	8904	-	-	-
No. of 1.2 & 2.0 ml vials (5/cane)	-	95	40	150	675 / 560*	20	945	-	-
No. of 1.2 & 2.0 ml vials (6/cane)	9	106	48	180	840 / 672*	24	1134	500	966 (Bulk)
No. of blood bags stored (4R9953)	-	-	-	-	-	10	10	-	-
PERFORMANCE									
Liquid nitrogen capacity (liters)	1.5	3.6	4.3	12.3	6.8	2.9	4.2	8.5	10
Static evaporation rate (liters/day)	0.19	0.26	0.20	0.09	0.3	0.20	0.35	0.85	.7
Static holding time (days)	8	14	21	85	23	14	12	10	14
UNIT DIMENSIONS									
Neck opening (in/mm)	1.4 / 35	2.75 / 70	2 / 51	2 / 51	3.81 / 96.7	1.4 / 35	3.8 / 97	8.5 / 216	8.5 / 216
Overall height (in/mm)	13.5 / 343	18.4 / 468	19.4 / 492	25.7 / 652	25 / 635	19.5 / 495	22 / 558	21.5 / 546	23 / 584
Outside diameter (in/mm)	7.25 / 184	8.7 / 222	8.7 / 222	14.5 / 368	14.50 / 368	7.2 / 184	18.3 / 464	14.5 / 369	15 / 381
Canister height (in/mm)	5 / 127	11 / 278	11 / 278	11 / 279	11 / 278	11 / 278	11 / 278	-	12.5 / 317.5**
Canister diameter in (mm)	1.2 / 31	2.62 / 67	1.81 / 46	1.5 / 38	3.2 / 80	1.2 / 31	3.1 / 79	-	-
Weight empty (lbs/kg)	6 / 2.7	11 / 5	13 / 5.9	30 / 13.6	23 / 10.5	8 / 3.6	30.5 / 13.8	24 / 10.9	30 / 13.6
Weight charged (lbs/kg)	8.8 / 4	18 / 8.1	20 / 9.3	52 / 23.6	35 / 16	11.6 / 5	38 / 17.2	37.5 / 17	47 / 21.4

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

THREE Year Vacuum Warranty

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