

# MVE Stock Series Series

Liquid Nitrogen Freezers



MVE Stock Series tanks are primarily designed for storage of either vials/straws on canes in liquid nitrogen. In addition to a build intended for long life and durability in service, the ergonomics of sample retrieval is of vital importance in this type of storage environment. Dual lids on the MVE Bio aid in sample removal while retaining critical temperatures inside the storage area. The rotating sample tray in the 1830 allows for maximized storage space and easy access. All MVE Stock units are built with the emphasis on sample security and the ability to provide safe long-term storage for your most valuable samples.

#### Accessories:

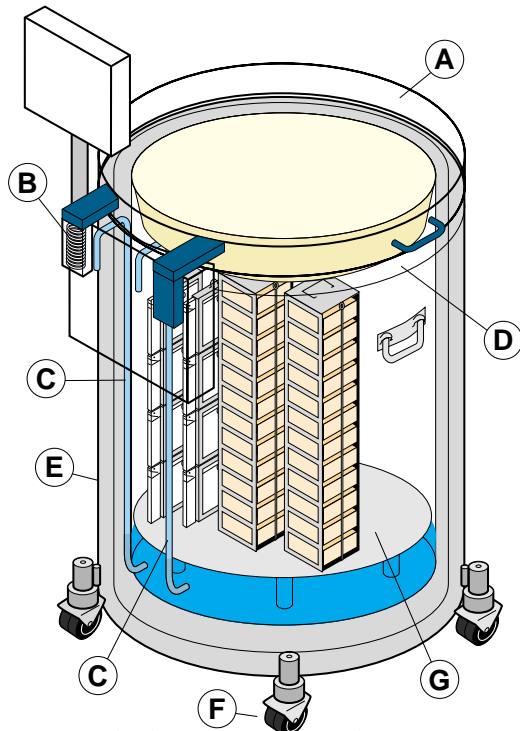
- Square Racks - stainless or aluminum
- Cardboard Boxes (81 cell)
- Plastic Boxes (25 cell and 100 cell)
- SUC Boxes
- Canes and Protectors
- Cryogenic Gloves



# MVE Series

## Specifications

<b>MODEL</b>	<b>MVE 140II</b>		<b>MVE 810</b>		<b>MVE 1370</b>		<b>MVE 1830</b>		<b>MVE 1830 2T</b>	
<b>Maximum Storage Capacity</b>										
Number of 1.2 & 2.0 ml vials in racks	-		11,700		24,000		-		-	
Number of racks (100 vials)	-		12 (9/2 rack)		28 (8/2 rack)		-		-	
Number of racks (25 vials)	-		4 (9/2 rack)		8 (8/2 rack)		-		-	
Total number of racks	-		16		36		-		-	
Number of blood bag stored (Fenwal 4R-5461)	-		N/A		N/A		N/A		N/A	
Number of SUC-1 canisters (2.5" x 2.5" x 11")	22		76		152		306		561	
Number of 1.2 & 2.0 ml vials on canes	3696		14,136		28,272		56,916		104,346	
Number of 1/2 cc straws (10/cane)	6820		23,560		47,120		94,680		187,550	
<b>Performance</b>										
Liquid nitrogen capacity (liters)	39		230		482		860		1400	
Power supply	-		24 VDC		24 VDC		24 VDC		24 VDC	
<b>Unit Dimensions</b>										
Neck opening (in/mm)	16.0	406	25	635	35.5	902	25	635	25	635
Usable height (in/mm)	12.0	305	21.4	544	19.4	492	13	330	2 x 13	2 x 330
Overall height (in/mm)	17.5	445	41.5	1054	44	1172	40.9	991	53.9	1368
Outside diameter (in/mm)	18.0	457	31	787	42	1067	60	1524	60	1528
Internal diameter (in/mm)	16.0	406	28.2	716	39.5	1003	56	1422	56.3	1430
Weight empty (lbs/kg)	48	22	250	114	410	186	984	447	1184	538
Weight full (lbs/kg)	117	53	660	300	1269	577	2517	1144	3700	1682



- A Metal lid construction—designed for longer life
- B Tough, durable hinges
- C Annular filling lines to reduce frost and ice formation
- D Maintains -125°C under the lid temp in Vapor Phase Storage, -196°C Liquid Phase Storage
- E Low maintenance, all-stainless steel construction
- F Tough, durable casters
- G Optional vapor platform

*Five year vacuum warranty*

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