



# MVE High Efficiency 1500 -190°C Series

## Available with the TEC 3000

The MVE 1500 Series -190°C freezers provide cryogenic storage for up to 42,000 1.2 / 2.0 ml vials. Available in three unique sizes, these freezers provide maximum storage density and provide long hold times. The MVE High Efficiency 1500 Series freezer is capable of storing over 3100 blood bags.

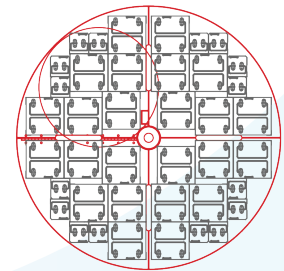
## Key Features

- Dry sample storage
- -190°C top box temperature
- Low liftover height
- Large LN<sub>2</sub> capacity at vapor platform
- Optional Battery Backup

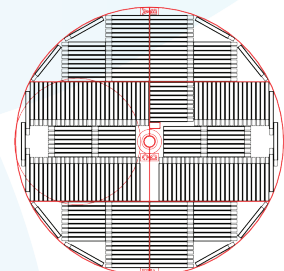


## Rack Layout

Square Rack Layout (P)



4R9951 Layout (R)



# MVE High Efficiency 1500 -190°C Series

	MVE 1536P-190	MVE 1539P-190	MVE 1542R-190						
<b>Maximum Storage Capacities</b>									
○ 1.2 & 2 ml Vials (Internally Threaded)	36,400	39,200	42,000						
○ Quantity of Large Racks 100 cell boxes	24	24	26						
○ Quantity of Mini Racks 25 cell boxes	16	16	16						
○ Number of Shelves per Rack	13	14	14						
<b>Performance</b>									
○ LN <sub>2</sub> Capacity at Vapor Platform L est.	133	133	133						
○ LN <sub>2</sub> Capacity w/o Inventory L est.	756	797	797						
<b>Unit Dimensions</b>									
○ Neck Opening in. (mm)	17.5 (445)	17.5 (445)	17.5 (445)						
○ Usable Internal Height in. (mm)	28.8 (732)	30.8 (782)	30.8 (782)						
○ Inner Diameter in. (mm)	38.5 (978)	38.5 (978)	38.7 (983)						
○ Overall Height w/ AutoFill in. (mm)	61.3 (1556)	63.3 (1608)	63.3 (1608)						
○ Liftover Height in. (mm)	37.1 (942)	39.2 (995)	39.2 (995)						
○ Door Width Requirement** in. (mm)	42.0 (1067)	42.0 (1067)	42.0 (1067)						
○ Depth of Extended Step in. (mm)	7.9 (201)	7.9 (201)	7.9 (201)						
○ Weight Empty* lb. (kg)	690 (313)	720 (327)	720 (327)						
○ Weight Liquid Full* lb. (kg) est.	2037 (924)	2140 (971)	2140 (971)						
<b>Blood Bag Capacities</b>									
	<b>Total Bags</b>	<b>Bags/ Frame</b>	<b>No. Frames</b>	<b>Total Bags</b>	<b>Bags/ Frame</b>	<b>No. Frames</b>	<b>Total Bags</b>	<b>Bags/ Frame</b>	<b>No. Frames</b>
○ 791 OS/U Medsep (25 ml)	2,905	7	415	3,320	8†	415	3,184	8†	398
○ 4R9951 (50 ml)	1,488	6	248	1,736	7	248	1,687	7	241
○ 4R9953 (250 ml)	812	4	203	812	4	203	768	4	192
○ 4R9955 (500 ml)	608	4	152	608	4	152	576	4	144
○ DF200 (200 ml)	496	4	124	496	4	124	488	4	122
○ DF700 (700 ml)	256	4	64	256	4	64	264	4	66

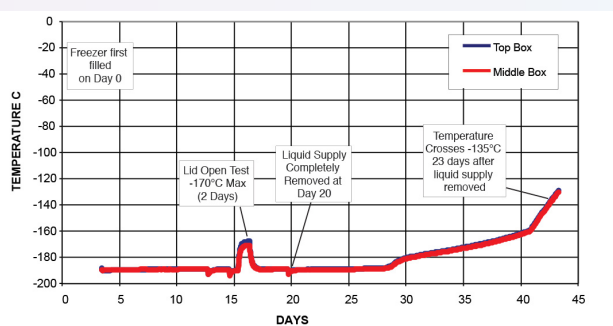
## FIVE Year Vacuum Warranty • TWO Year Parts Warranty

Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU. Freezer systems UL/C-UL Listed.

\* Without inventory

\*\*Minimum width required for vessel to pass through opening. Footprint may vary. Contact Tech Service for detailed drawings.

† Between usable height and clearance. Please refer to specifications.



Temperature Test Graph

\* Temp Test indicates typical performance of 1500 Series -190°C freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

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