

# MVE 1500 Series -190°C High Efficiency Freezer

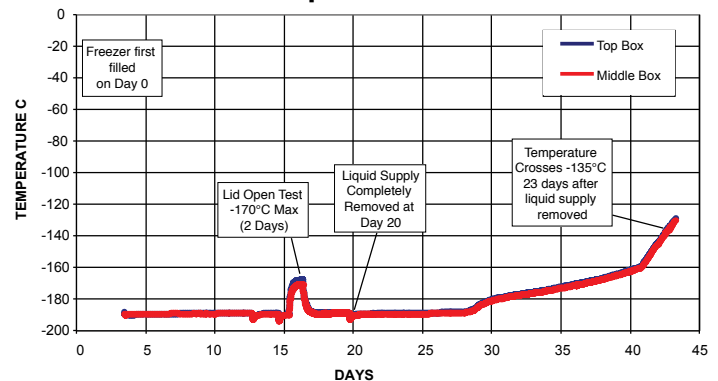
The MVE 1500 Series -190°C freezers provide cryogenic storage for up to 42,000 1.2 / 2.0 ml vials. These freezers provide maximum storage density and provide the industry's longest hold time.

## Features include:

- Dry sample storage
- -190°C top box temperature
- Lowest liftover height
- Largest LN2 capacity below turn tray
- 2-tier folding step



Temperature Test\*



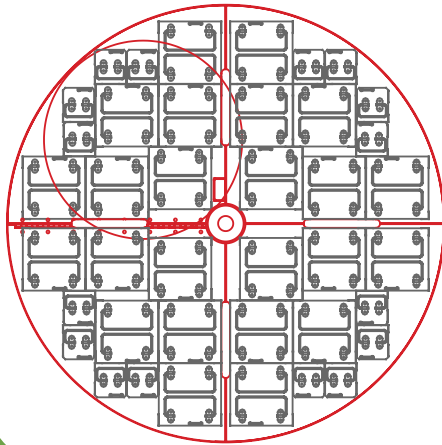
## Temperature Test Graph

\* 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.

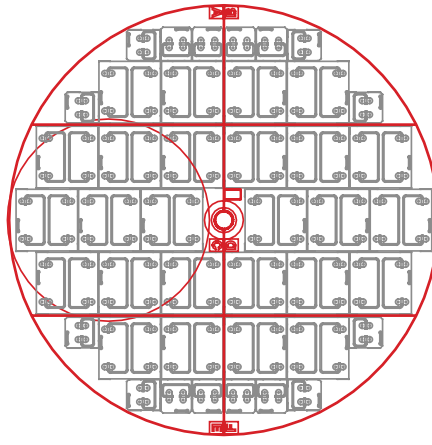
Visit [www.chartbiomed.com](http://www.chartbiomed.com) for more information.

## Rack Layouts

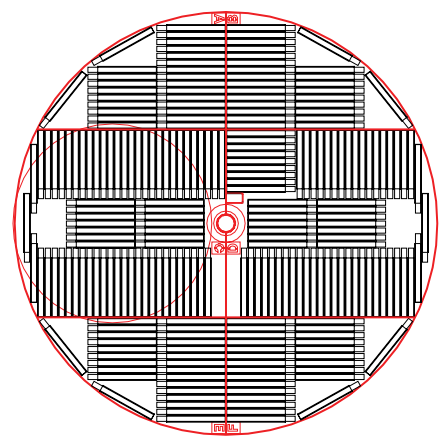
**Square Rack Layout (P)**



**Square Rack Layout (R)**



**4R9551 Layout (R)**



	MVE 1536P-190	MVE 1539P-190	MVE 1542R-190						
<b>Maximum Storage Capacity</b>									
1.2 & 2 ml Vials (Internally Threaded)	36,400	39,000	42,000						
Number of Large Racks 100 cell boxes	24	26	26						
Number of Mini Racks 25 cell boxes	16	16	16						
Number of Shelves per Rack	13	14	14						
High Security Straw Capacity (0.5 ml)	100,800	100,800	100,800						
Number of Canisters (73 mm)	120	120	120						
Goblets/Canister : Straws/Goblet	4: 168	5:168	5:168						
<b>Performance</b>									
LN2 Capacity <i>L</i>	756	756	797						
LN2 Capacity Under Platform Vapor Storage <i>L</i>	133	133	133						
<b>Unit Dimensions</b>									
Neck Opening <i>in. (mm)</i>	17.5 (445)	17.5 (445)	17.5 (445)						
Usable Internal Height <i>in. (mm)</i>	28.8 (732)	29.3 (745)	30.8 (782)						
Inner Diameter <i>in. (mm)</i>	38.5 (978)	38.7 (983)	38.7 (983)						
Overall Height <i>in. (mm)</i>	61.3 (1556)	61.3 (1556)	61.3 (1556)						
Liftover Height <i>in. (mm)</i>	37.0 (940)	37.1 (944)	39.2 (995)						
Door Width Requirement** <i>in. (mm)</i>	42.0 (1067)	42.0 (1067)	42.0 (1067)						
Depth of Extended Step <i>in. (mm)</i>	7.9 (201)	7.9 (201)	7.9 (201)						
Weight Empty* <i>lb. (kg)</i>	690 (313)	690 (313)	720 (327)						
Weight Liquid Full* <i>lb. (kg)</i>	2037 (924)	2037 (924)	2140 (971)						
<b>Blood Bag Capacities</b>									
	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames
791 OS/U (25 ml)	2,905	7	415	3,320	8	415	3,184	8	398
Compact (25 ml)	4,338	9	482	4,338	9	482	4,464	9	496
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

**TWO Year Parts Warranty • FIVE Year Vacuum 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.