

MVE HEco 1500 Series Freezers

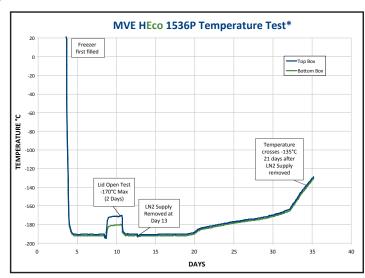
The new MVE HEco 1500 Series freezers provide a 20% reduction in LN2 usage, making them the most efficient vapor freezers available. These next generation high efficiency freezers incorporate new hinged work surfaces that fully enclose all electronics and plumbing to enhance overall safety and usability. The technical and visual improvements combine to create a more aesthetically pleasing freezer that offers greater functionality. As with all of MVE's cryogenic freezers, the MVE HEco 1500 Series freezers provide maximum storage density as well as the longest hold time and highest sample security in the industry.

Features include:

- 20% reduction in LN2 usage
- Fully enclosed wiring and plumbing
- Vacuum jacketed transfer hose
- Dry sample storage
- -190°C top box temperature
- Lowest liftover height
- Two tier folding step
- Optional battery backup







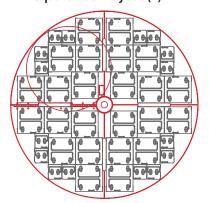
Temperature Test Graph

Visit www.chartbiomed.com for more information.

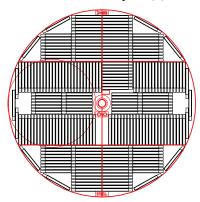
^{*} Temperature test indicates typical performance of HEco Series freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

Rack Layouts

Square Rack Layout (P)



4R9951 Layout (R)



	MVE HEco 1536P-190			MVE HEco 1539P-190			MVE HEco 1542R-190		
Maximum Storage Capacity									
1.2 & 2 ml Vials (Internally Threaded)	36,400			39,200			42,000		
Number of Racks 100 cell boxes	24			24			26		
Number of Racks 25 cell boxes	16			16			16		
Number of Stages per Rack	13			14			14		
Performance									
LN2 Capacity <i>L</i>	730			797			797		
LN2 Capacity Under Tray <i>L</i>	115			133			133		
Static Hold Time—Vapor <i>days</i>	21			20			20		
Static Hold Time—Liquid Full <i>days</i>	112			118			118		
Unit Dimensions									
Neck Opening <i>in. (mm)</i>	17.4 (442)			17.5 (445)			17.5 (445)		
Usable Internal Height <i>in. (mm)</i>	28.8 (732)			30.8 (782)			30.8 (782)		
Inner Diameter in. (mm)	38.5 (978)			38.5 (978)			38.5 (978)		
Overall Height <i>in. (mm)</i>	54.7 (1389)			63.3 (1607)			63.3 (1607)		
Liftover Height <i>in. (mm)</i>	37.3 (947)			39.2 (995)			39.2 (995)		
Door Width Requirement** in. (mm)	42.0 (1067)			42.0 (1067)			42.0 (1067)		
Weight Empty <i>lb. (kg)</i>	700 (318)			720 (327)			720 (327)		
Weight Liquid Full* Ib. (kg)	2000 (907)			2140 (971)			2140 (971)		
Blood Bag Capacities	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
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 Standard 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.