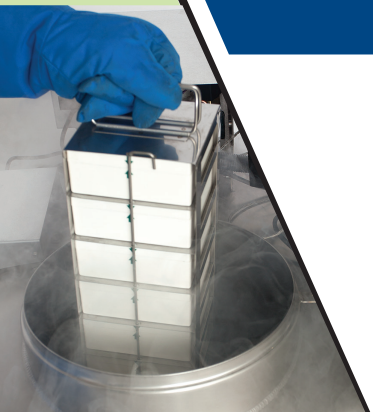


# MVE HEco™ 1800 Series Freezers

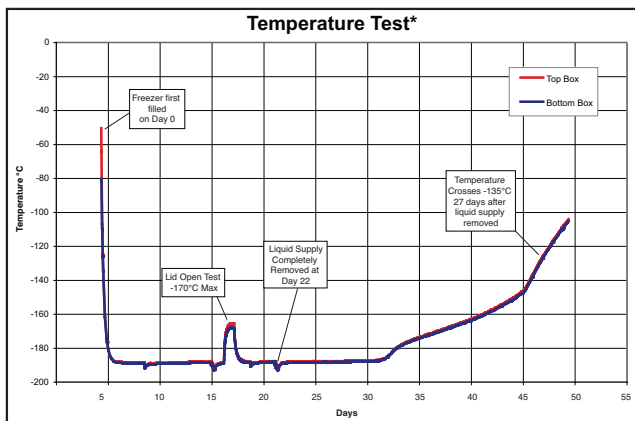


## Features include

- LN<sub>2</sub> efficiency
- Fully enclosed wiring and plumbing
- Vacuum jacketed transfer hose
- Dry sample storage
- -190°C top box temperature
- Lowest liftover height
- Two tier folding step

## Featuring the Chart MVE Touch Screen & TEC 3000

The MVE HEco 1800 Series freezers provide efficient use of LN<sub>2</sub>, making them the most efficient vapor freezers available. The 1800 series provides the option for greater storage in one freezer. These next generation high efficiency freezers incorporate a hinged work surfaces that fully enclose all electronics and plumbing to enhance overall safety and usability. The technical and visual improvements provide an aesthetically more pleasing freezer while offering greater functionality. As with all of MVE's cryogenic freezers, the MVE HEco 1800 Series freezers provide maximum storage density as well as the longest hold time and highest sample security in the industry.



Temperature Test Graph

\* 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.

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844-MVE-CRYO



	MVE HEco 1879P-190	MVE HEco 1881R-190	MVE HEco 1892P-190	MVE HEco 1894R-190								
<b>Maximum Storage Capacity</b>												
1.2 & 2 ml Vials (Internally Threaded)	79,950	81,900	92,250	94,500								
Quantity of Large Racks 100 cell boxes	54	60	54	60								
Quantity of Mini Racks 25 cell boxes	30	12	30	12								
Number of Shelves per Rack	13	13	15	15								
<b>Performance</b>												
LN <sub>2</sub> Capacity L.	1516	1521	1737	1732								
LN <sub>2</sub> Capacity Under Tray L	292	305	282	300								
<b>Unit Dimensions</b>												
Neck Opening in. (mm)	24.7 (627)	24.7 (627)	24.7 (627)	24.7 (627)								
Usable Internal Height in. (mm)	29.5 (749)	29.2 (741)	34.5 (876)	34.2 (868)								
Inner Diameter in. (mm)	56.0 (1422)	54.8 (1391)	56.0 (1422)	54.7 (1389)								
Overall Height in. (mm)	63.7 (1618)	63.7 (1618)	68.6 (1742)	68.6 (1742)								
Liftover Height in. (mm)	38.8 (985)	38.8 (985)	44.0 (1118)	44.0 (1118)								
Door Width Requirement** in. (mm)	60.0 (1524)	60.0 (1524)	60.0 (1524)	60.0 (1524)								
Weight Empty* lb. (kg)	1721 (781)	1721 (781)	1721 (781)	1721 (781)								
Weight Liquid Full* lb. (kg) est.	4830 (2191)	4830 (2191)	4875 (2211)	4875 (2211)								
<b>Blood Bag Capacities</b>												
	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames	Total Bags	Bags/ Frame	No. Frames
791 OS/U Medsep (25 ml)	5,866	7	838	5,628	7	804	6,704	8	838	6,432	8	804
4R9951 (50 ml)	2,952	6	492	2,940	6	490	3,936	8	492	3,920	8	490
4R9953 (250 ml)	1,584	4	396	1,608	4	402	1,980	5	396	2,010	5	402
4R9955 (500 ml)	1,104	4	276	1,240	4	310	1,380	5	276	1,550	5	310
DF200 (200 ml)	960	4	240	984	4	246	1,200	5	240	1,230	5	246
DF700 (700 ml)	504	4	126	544	4	136	630	5	126	680	5	136

**TWO Year Parts Warranty • FIVE Year Vacuum Warranty**

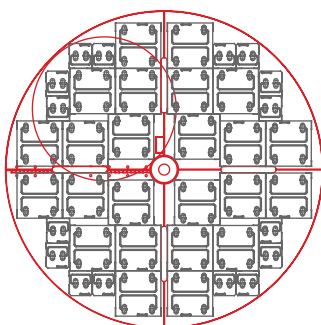
Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU. Freezer systems UL/C-UL Listed.

\* Without inventory

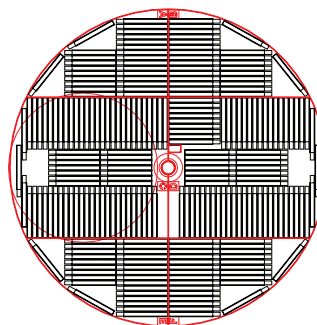
\*\*Minimum width required for vessel to pass through opening. Footprint may vary. Contact Tech Service for detailed drawings.

## Rack Layout

Square Rack Layout (P)



4R9951 Layout (R)



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