



MVE High Efficiency 1800 -190°C Series

Available with the TEC 3000

The MVE 1800 Series -190°C freezers provide cryogenic storage for up to 94,500 1.2 / 2.0 ml vials. These freezers provide maximum storage density and provide long hold times. The MVE High Efficiency 1800 Series freezer is capable of holding over 8,400 blood bags.

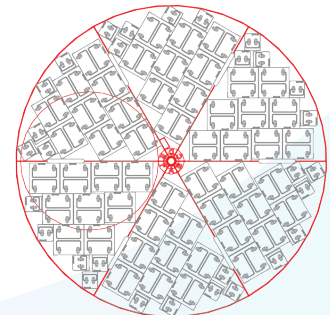
Key Features

- Dry sample storage
- -190°C top box temperature
- Low liftover height
- Large LN₂ capacity at vapor platform
- Two tier folding step
- Optional Battery Backup

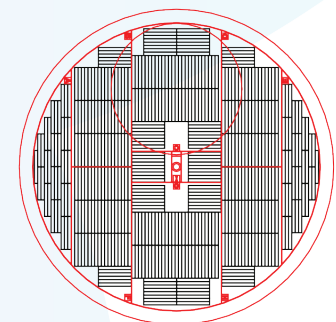


Rack Layout

Square Rack Layout (P)



4R9951 Layout (R)



MVE High Efficiency 1800 -190°C Series

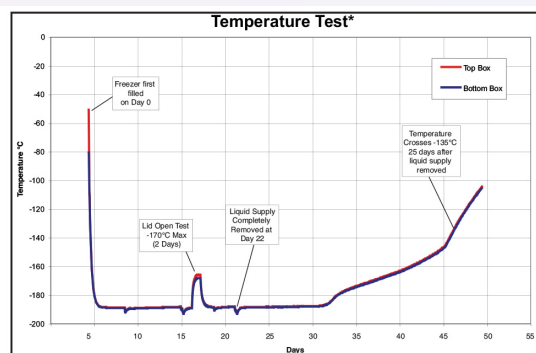
	MVE 1879P-190	MVE 1881R-190	MVE 1892P-190	MVE 1894R-190								
Maximum Storage Capacities												
○ 1.2 & 2 ml Vials (Internally Threaded)	79,950	81,900	92,250	94,500								
○ Quantity of Large Racks 100 cell boxes	54	60	54	60								
○ Quantity of Mini Racks 25 cell boxes	30	12	30	12								
○ Number of Shelves per Rack	13	13	15	15								
Performance												
○ LN ₂ Capacity at Platform Vapor L est.	290	305	282	300								
○ LN ₂ Capacity w/o Inventory L est.	1540	1521	1736	1731								
Unit Dimensions												
○ Neck Opening in. (mm)	25.0 (635)	25.0 (635)	25.0 (635)	25.0 (635)								
○ Usable Internal Height in. (mm)	29.5 (749)	29.2 (742)	34.5 (876)	34.2 (868)								
○ Inner Diameter in. (mm)	56.0 (1422)	54.8 (1391)	54.8 (1391)	54.8 (1391)								
○ Overall Height w/AutoFill in. (mm)	68.2 (1732)	68.2 (1732)	73.2 (1860)	73.2 (1860)								
○ 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)								
Blood Bag Capacities												
	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

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.



Temperature Test Graph

* Temp Test indicates typical performance of 1800 Series -190°C freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.