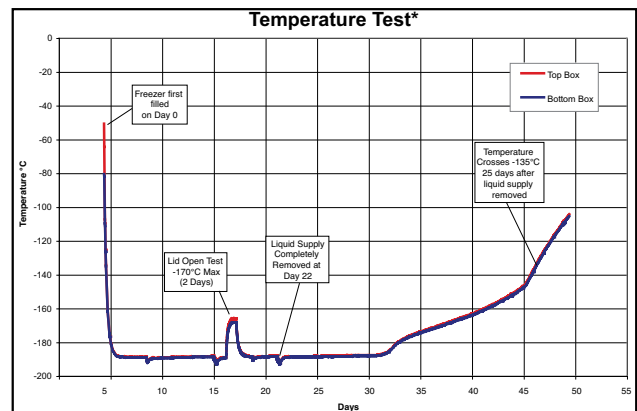
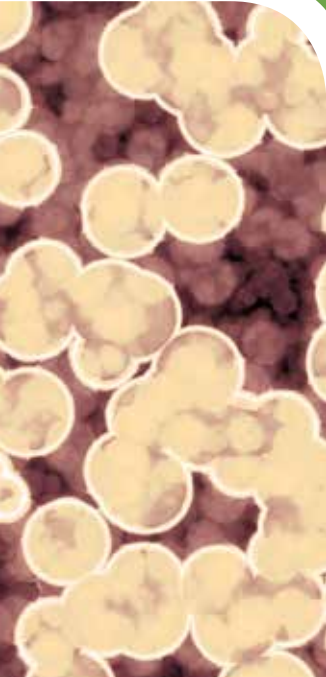


MVE High Efficiency 1800 -190°C Series

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 the industry's longest hold time.

Features include:

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

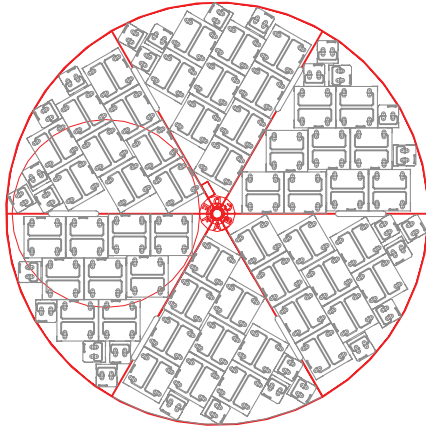


Temperature Test Graph

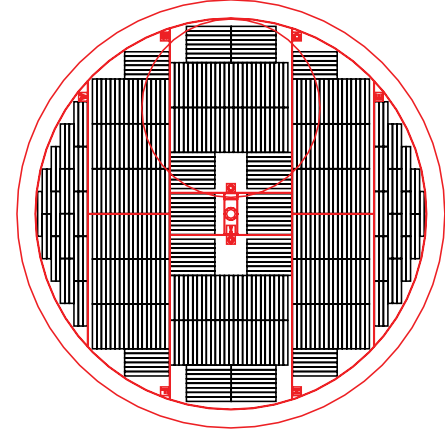
* Temp Test indicates typical performance of 1800 Series -190°C freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

Rack Layouts

Square Rack Layout (P)



4R9951 Layout (R)



	MVE 1879P-190	MVE 1881R-190	MVE 1892P-190	MVE 1894R-190								
Maximum Storage Capacity												
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								
High Security Straw Capacity (0.5 ml)	236,880	213,360	284,256	256,032								
Number of Canisters (73 mm)	282	254	282	254								
Goblets/Canister : Straws/Goblet	5:168	5:168	6:168	6:168								
Performance												
LN2 Capacity w/o Inventory L est.	1745	1745	1770	1770								
LN2 Capacity at Platform Vapor L est.	318	318	295	295								
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
Compact Medsep (25 ml)	8,622	9	958	9,414	9	1,046	10,538	11	958	11,506	11	1,046
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.