

MVE 1800 Series -190°C High Efficiency Freezer



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.

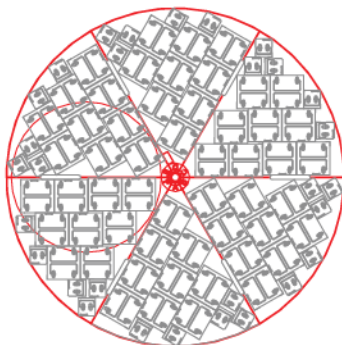
Also available in -150°C versions

Features include:

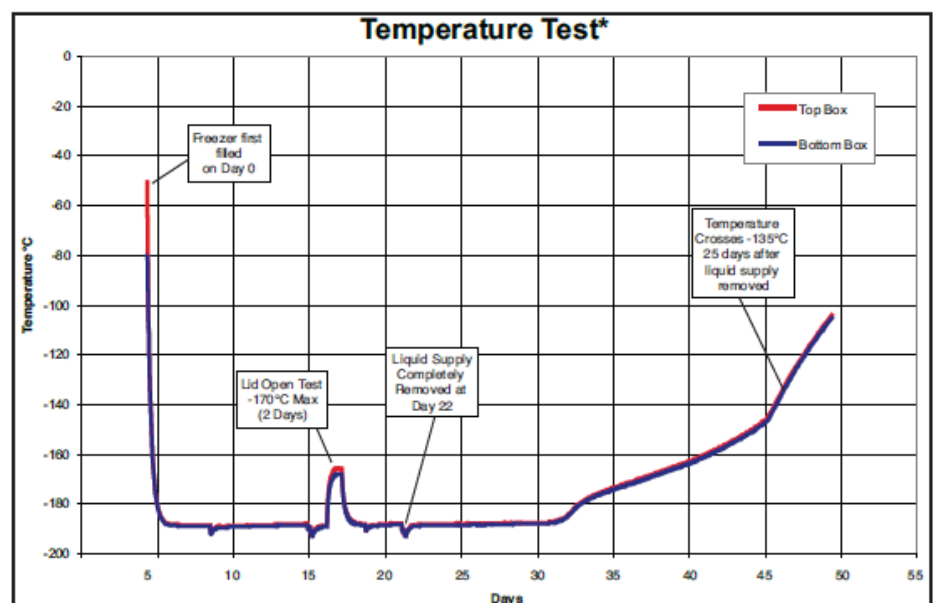
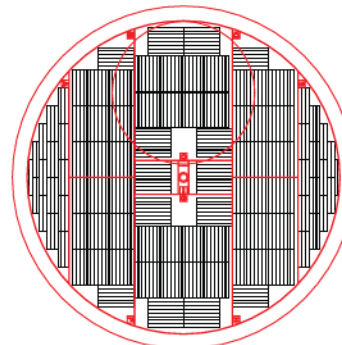
- Dry sample storage
- -190°C top box temperature
- Lowest liftover height
- Largest LN2 capacity below turn tray
- Two tier folding step

Rack Layouts

Square Rack Layout (P)



4R9951 Layout (R)



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.



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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
Number of Racks 100 cell boxes	54	60	54	60
Number of Racks 25 cell boxes	30	12	30	12
Number of Stages 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 L	1745	1745	1770	1770
LN2 Capacity Under				
Platform Vapor Storage L	318	318	296	296

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 (741)	34.5 (876)	34.2 (868)
Inner Diameter in. (mm)	56.0 (1422)	54.8 (1391)	56.0 (1422)	54.8 (1391)
Overall Height in. (mm)	62.1 (1577)	61.3 (1556)	67.1 (1704)	66.3 (1683)
Door Width Requirement** in. (mm)	60.0 (1524)	60.0 (1524)	60.0 (1524)	60.0 (1524)
Weight Empty in. (mm)	1606 (728)	1721 (781)	1545 (701)	1721 (781)
Weight Liquid Full* in. (mm)	4585 (2080)	4830 (2192)	4803 (2179)	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 (25 ml)	5,866	7	838	5,628	7	804	6,704	8	838	6,432	8	804
Compact (25ml)	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 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.