

MVE 800 Series -190°C High Efficiency Freezer



The MVE 800 Series -190°C freezers provide stable cryogenic storage for up to 19,500 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

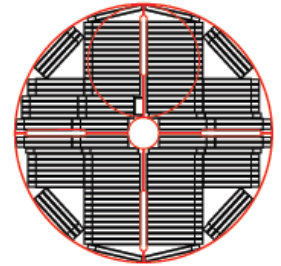


Rack Layouts (P)

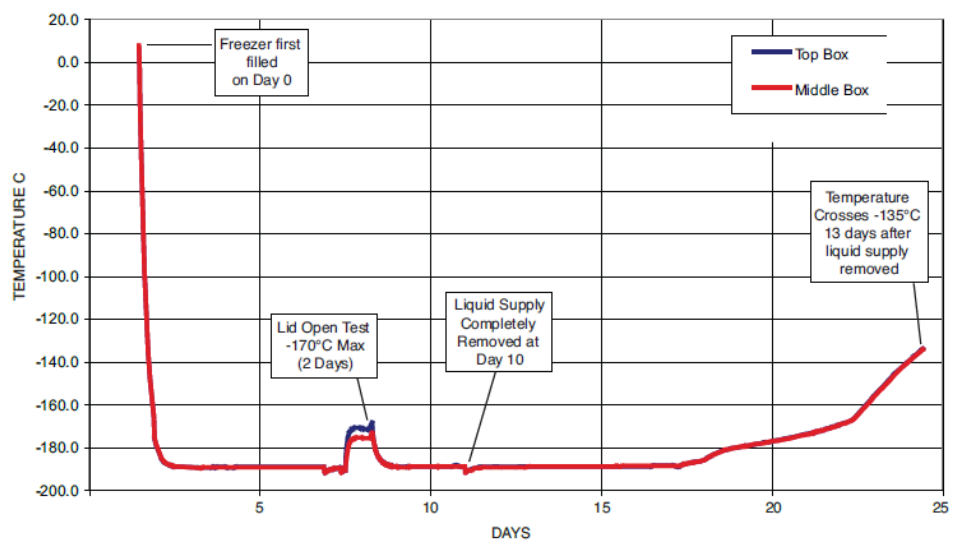
Square Rack Layout



4R9951 Layout



Optional Step
(recommended for 818 and 819)



Temperature Test Graph

* Temp Test indicates typical performance of 800 Series -190°C freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

MVE 800 Series -190°C High Efficiency Freezer



	MVE 815P-190	MVE 818P-190	MVE 819P-190						
Maximum Storage Capacity									
1.2 & 2 ml Vials (Internally Threaded)	15,600	18,200	19,500						
Number of Racks 100 cell boxes	12	12	12						
Number of Racks 25 cell boxes	4	4	4						
Number of Stages per Rack	12	14	15						
High Security Straw Capacity (0.5 ml)	36,960	46,200	55,440						
Number of Canisters (73 mm)	55	55	55						
Goblets/Canister : Straws/Goblet	4: 168	5:168	6:168						
Performance									
LN2 Capacity L	370	420	463						
LN2 Capacity Under Platform Vapor Storage L	52	55	55						
Unit Dimensions									
Neck Opening in. (mm)	12.5 (317)	12.5 (317)	12.5 (317)						
Usable Internal Height in. (mm)	26.6 (676)	30.7 (781)	34.5 (877)						
Inner Diameter in. (mm)	28.8 (731)	28.8 (731)	28.8 (731)						
Overall Height in. (mm)	49.0 (1245)	53.3 (1353)	57.0 (1449)						
Door Width Requirement** in. (mm)	32.0 (813)	32.0 (813)	32.0 (813)						
Weight Empty lb. (kg)	475 (215)	495 (225)	515 (234)						
Weight Liquid Full* lb. (kg)	1134 (514)	1168 (530)	1340 (608)						
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)	1,224	6	204	1,632	8	204	1,836	9	204
Compact (25ml)	2322	7	258	2064	8	258	1806	9	258
4R9951 (50 ml)	768	6	128	896	7	128	1024	8	128
4R9953 (250 ml)	416	4	104	416	4	104	520	5	104
4R9955 (500 ml)	304	4	76	304	4	76	380	5	76
DF200 (200 ml)	236	4	59	236	4	59	295	5	59
DF700 (700 ml)	-	-	-	-	-	-	-	-	-

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.