

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:

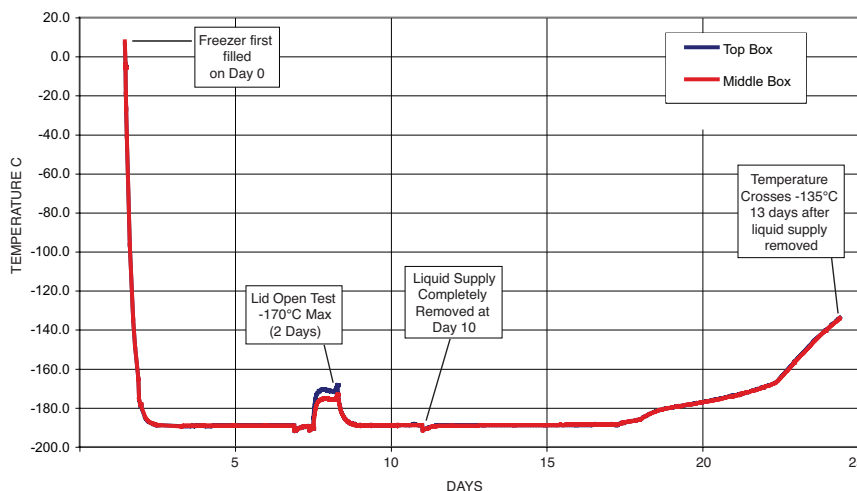
- Dry sample storage
- -190°C top box temperature
- Lowest liftover height
- Largest LN2 capacity below turn tray



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.



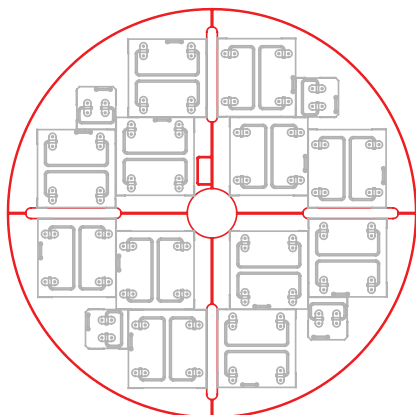
Go to www.chartbiomed.com for more information.

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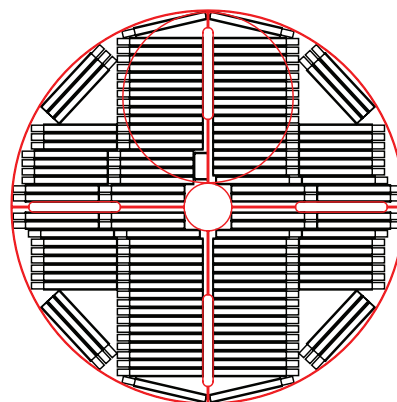


Rack Layouts (P)

Square Rack Layout



4R9951 Layout



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)	2,064	8	258	2,322	9	258	2,838	11	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.

