

MVE Series



The MVE Series freezers provide stable cryogenic storage for up to 39,000 1.2 / 2.0 ml vials. These freezers provide maximum storage density and provide the industry's longest hold time. Although engineered for liquid storage, the MVE Series freezers can be operated in vapor using available vapor storage accessory packs.

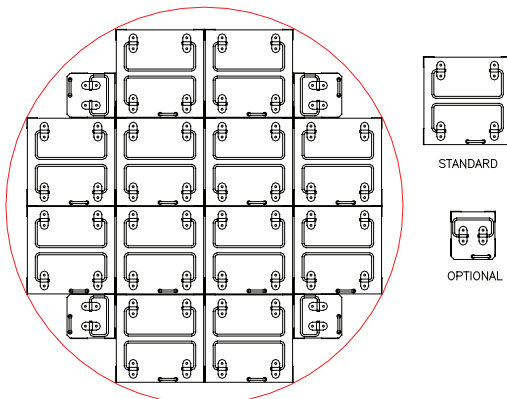
Features include:

- Liquid sample storage
- Wide neck opening
- Lowest liftover height
- Largest LN2 capacity

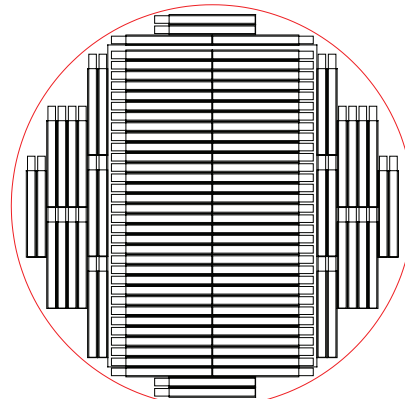


Rack Layouts

Square Rack Layout



4R9951 Layout

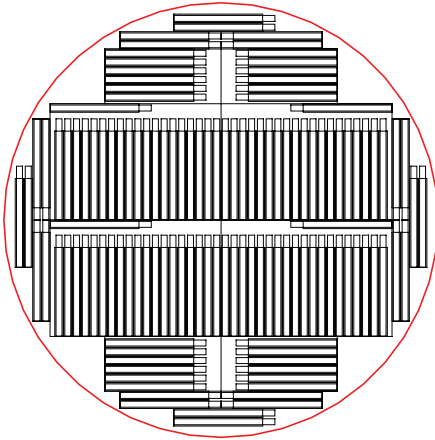


Visit www.chartbiomed.com for more information.

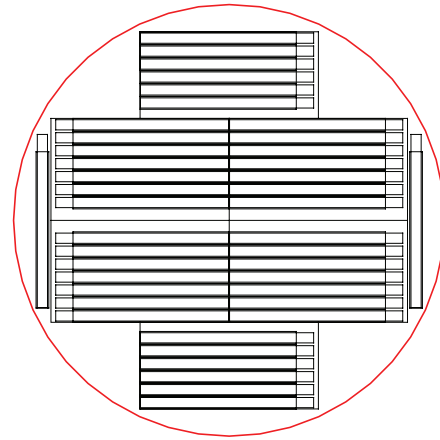
Chart Inc. reserves the right to discontinue its products, or change the prices, materials, equipment, quality, descriptions, specifications and/or processes to its products at any time without prior notice and with no further obligation or consequence. All rights not expressly stated herein are reserved by us, as applicable.

Rack Layouts

4R9953 Layout



DF700 Layout



**MVE
204***

**MVE
205**

**MVE
510**

**MVE
616**

**MVE
1426**

**MVE
1839**

Maximum Storage Capacity

1.2 & 2 ml Vials

(Internally Threaded)	MVE 204*	MVE 205	MVE 510	MVE 616	MVE 1426	MVE 1839
Number of Racks 100 cell boxes	4	4	7	12	18	28
Number of Racks 25 cell boxes	-	-	4	4	10	8
Number of Stages per Rack	8	13	13	13	13	13
High Security Straw Capacity (0.5 ml)	11,592	19,320	32,760	50,400	79,800	151,200
Number of Canisters (73 mm)	23	23	39	60	95	150
Goblets/Canister : Straws/Goblet	3:168	5:168	5:168	5:168	5:168	6:168

Performance

LN2 Capacity L	MVE 204*	MVE 205	MVE 510	MVE 616	MVE 1426	MVE 1839
LN2 Capacity L	65	95	166	240	388	673

Unit Dimensions

Neck Opening <i>in. (mm)</i>	16.00 (406)	16.00 (406)	20.70 (527)	25.10 (638)	31.75 (806)	39.40 (1002)
Usable Internal Height <i>in. (mm)</i>	19.7 (502)	28.9 (735)	30.0 (762)	29.5 (749)	29.3 (745)	33.6 (854)
Inner Diameter <i>in. (mm)</i>	16.00 (406)	16.00 (406)	20.70 (527)	25.13 (638)	31.75 (806)	39.40 (1002)
Overall Height <i>in. (mm)</i>	30.8 (784)	41.6 (1059)	46.7 (1185)	45.8 (1161)	42.4 (1076)	54.0 (1372)
Door Width Requirement** <i>in. (mm)</i>	18.0 (457)	20.4x18.5 (518x470)	30.6x29.7 (778x754)	33.5x34.6 (852x878)	33.8x41.6 (858x1056)	46.1x48.3 (1172x1225)
Weight Empty <i>lb. (kg)</i>	79 (36)	195 (88)	281 (127)	320 (145)	490 (222)	750 (341)
Weight Liquid Full* <i>lb. (kg)</i>	195 (88)	365 (166)	577 (262)	748 (339)	1181 (536)	1950 (885)

Blood Bag Capacities

	Total Bags/ No. Bags	Frame	No. Frames	Total Bags/ No. Bags	Frame	No. Frames	Total Bags/ No. Bags	Frame	No. Frames	Total Bags/ No. Bags	Frame	No. Frames	Total Bags/ No. Bags	Frame	No. Frames
791 OS/U (25 ml)	-	-	-	539	7	77	882	7	126	1,372	7	196	2,226	7	318
4R9951 (50 ml)	-	-	-	228	6	38	420	6	70	612	6	102	924	6	154
4R9953 (250 ml)	-	-	-	128	4	32	224	4	56	336	4	84	512	4	128
4R9955 (500 ml)	-	-	-	96	4	24	160	4	40	248	4	62	424	4	106
DF200 (200 ml)	-	-	-	80	4	20	128	4	32	200	4	50	336	4	84
DF700 (700 ml)	-	-	-	40	4	10	68	4	17	116	4	29	168	4	42

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.