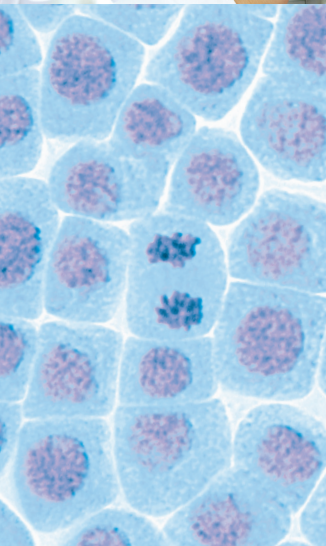


## MVE Fusion Series Freezers

Introducing the MVE Fusion Freezer, the world's first self-sustaining cryogenic freezer. The MVE Fusion is a refrigerated liquid-based bio-storage freezer, similar in appearance and construction to a Chart High Efficiency LN2 freezer. The design of the MVE Fusion is to provide cold storage capabilities, with no need for liquid cryogen during normal operation. The MVE Fusion can be used in remote locations, isolated rooms, high elevation facilities, and facilities with little or no vacuum jacketed pipe infrastructures. The MVE Fusion does not require constant LN2 supply.

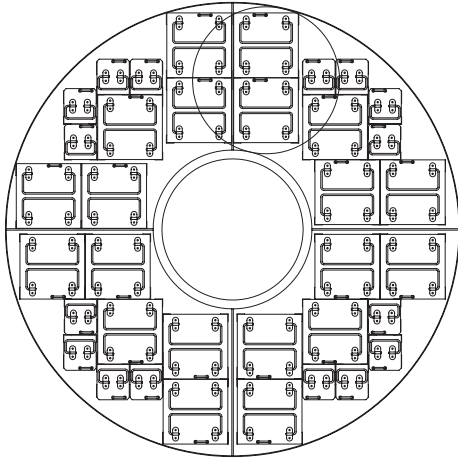
### Features include:

- Self-sustaining
- Dry sample storage
- Lowest liftover height
- Two tier folding step

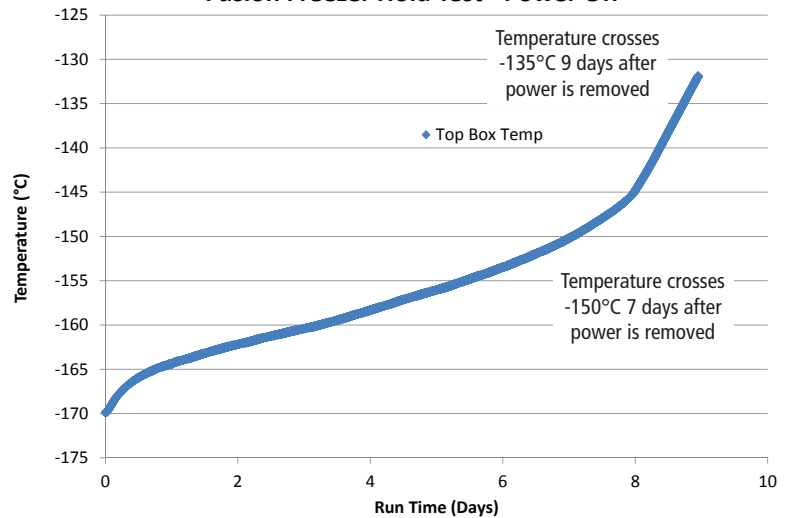


Visit [www.chartbiomed.com](http://www.chartbiomed.com) for more information.

## Rack Layout



## Fusion Freezer Hold Test - Power Off



## MVE Fusion

### Maximum Storage Capacity

1.2 & 2 ml Vials (Internally Threaded)	31,200
Number of Racks <b>100 cell boxes</b>	20
Number of Racks <b>25 cell boxes</b>	16
Number of Stages per Rack	13

### Performance

LN2 Capacity <b>L</b>	Inner vessel 50 liters/Freezer 756 L
LN2 Capacity Under Tray <b>L</b>	133 L (not necessary)

### Unit Dimensions

Neck Opening <b>in. (mm)</b>	12.5 (317.5)
Usable Internal Height <b>in. (mm)</b>	28.8 (732)
Inner Diameter <b>in. (mm)</b>	38.5 (978)
Overall Height <b>in. (mm)</b>	62 (1575)
Liftover Height <b>in. (mm)</b>	37.1 (944)
Door Width Requirement** <b>in. (mm)</b>	43.5 (1105)
Weight Empty (Freezer Only) est. <b>lb. (kg)</b>	690 (313)
Weight Liquid Full* (Freezer Only) est. <b>lb. (kg)</b>	2037 (924)

### Blood Bag Capacities

	Total Bags	Bags/Frame	No. Frames
791 OS/U (25 ml)	2464	7	352
4R9951 (50 ml)	1128	6	188
4R9953 (250 ml)	624	4	156
4R9955 (500 ml)	400	4	100
DF200 (200 ml)	336	4	84
DF700 (700 ml)	208	4	52

\* Without inventory

\*\*Minimum width required for vessel to pass through opening. Footprint may vary. Contact Tech Service for detailed drawings.

**TWO Year Standard Warranty • FIVE Year Vacuum Warranty**