

MVE 816P-2t-190

Designed to meet the needs of the fertility/ IVF respository

The MVE 816P-2T-190 freezer is designed with the fertility market in mind. With its unique two-tier tray design, it can hold vials, straws and SUC-1 canisters which are used by leading fertility clinics worldwide. A constant temperature allows for vapor storage throughout the freezer at near liquid nitrogen temperatures. The innovative inventory system incorporates a two level storage arrangement that utilizes an access portal to allow removal of product stored on the lower level.



PRODUCT SPECIFICATIONS

MAX. STORAGE CAPACITY	
1.2 & 2 ml Vials (Internally Threaded)	10,500
Quantity of Large Racks 100 cell boxes	-
Quantity of Mini Racks 25 cell boxes	-
Number of Shelves per Rack	-
High Security Straws Capacity (0,5 ml)	31,584
Number of Canisters (73 mm)	94
Goblets/Canisters (73 mm)	2,168
Number of SUC-1 Canisters (2,5"x 2,5"x11)	115
Number of 1.2 ml Vials on Canes	16,560
Number of 2.0 ml Vials on Canes	9,200
Number of 1.2 cc Straws 10/cane	35,650
PERFORMANCE (Hold Time overrides NER specifications)	
Liquid nitrogen capacity at platform vapor (liters)	56
Liquid nitrogen capacity w/o Inventory (liters)	381
UNIT DIMENSIONS	
Neck opening in (mm)	12.5 (317)
Usable internal height in (mm)	13.0 (330) per level
Inner Dimensions in (mm)	28.70 (728) top tier
	27.70 (702) bottom tier
Outer Dimensions in (mm)	32 (813 mm)
	33.2 (843 mm) w/ handles
External Height in (mm)	50 (1271)
Liftover Height in (mm)	40.3 (1024)*
Door Width Requirement** in (mm) outer dims	32 (813)
Weight Empty* lb. (kg)	475 (215)
Weight Liquid full* lb. (kg)	1155 (524)

KEY FEATURES

- Vapor phase storage temperature of -190 °C*
- Two tier storage system maximizes capacity while minimizing floor space
- High efficiency design with offset neck for lowest possible LN2 consumption
- Optional Battery Backup

Cryo Products

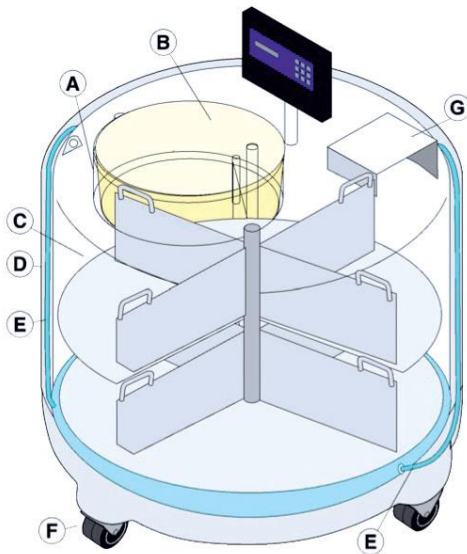
- Optional one- or two-tier step

Do you have a question?

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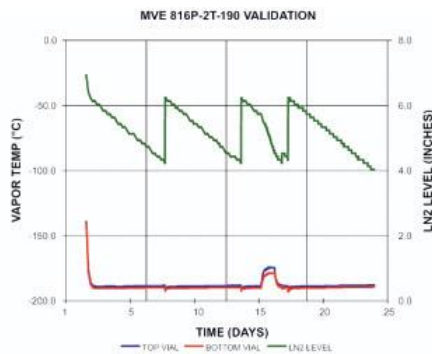
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- A** Offset neck design inimizizes liquid nitrogen consumption
- B** Lightweight composite lid is scratch and dent resistant
- C** Two level rotating tray provides easy access to samples
- D** Stainless steel construction reduces maintenance
- E** Annular (internal) fi lling lines minimizes frost build up and reduces maintenance requirements
- F** Durable casters equipped with brakes
- G** Lid Stand

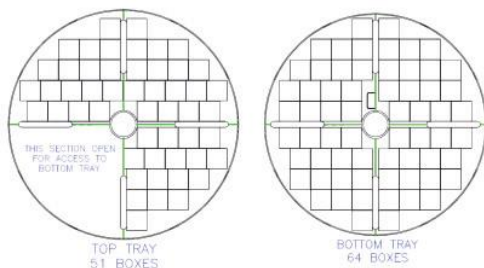
Temperature Test Graph



Temp Test indicates typical performance of 816P-2T -190°C freezer with full inventory system and factory recommended level settings. Actual performance may vary with atmospheric conditions and usage.

Rack Layout

115 SUC Boxes Total



FIVE Year Vacuum Warranty • TWO Year Parts 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.