



Contact Info

MVE Biological Solutions
www.mvebio.com

844-MVE-CRYO

Freezer Solutions for IVF Facilities

Experts in IVF Storage

IVF Storage Freezers from MVE Biological Solutions, the leading global manufacturer of vacuum insulated biological storage, shipping products, and cryogenic systems, are the realization of precision manufacturing and MVE's signature quality.

Each component of an MVE cryogenic freezer is carefully engineered to maintain the consistent performance and quality necessary to carry the MVE name. Backed by over 60 years of industry experience, our Stock Series MVE Freezers offer a best-in-class hold time of up to **20 days**, ensuring your samples are safe and secure, even during a natural disaster. MVE has a track record of success in the IVF storage market, ensuring you and your customers have peace of mind for their IVF storage needs.

Preferred Brand for Cryogenic Equipment:

- IVF Centers
- Biopharma including cell & gene therapies
- Storage of cord blood, bone marrow, stem cell, heart valves, and other highly sensitive human tissue
- Medical research facilities and universities
- Vaccines
- Hospitals and clinics
- Government institutions

Our Freezers for IVF and Embryo Storage

MVE Stock Series: 816P-2T-190 & 1877P-2T-150

The MVE Stock Series freezers are specifically designed for the IVF market. Although engineered for full liquid storage, the 816 2-T freezers are designed to work with liquid nitrogen or vapor.

The MVE Stock Series freezers are created with the fertility market in mind. The innovative inventory system incorporates a two-level storage arrangement, capable of storing over 167,090 straws**, with an access portal to allow the removal of products stored on the lower level. The custom storage system permits working just below the freezer's neck, maintaining the cryogenic temperatures and ensuring sample integrity and security.



Key Features:

- High-Efficiency neck utilize on the 816 2-T
- Lowest liftover height
- Largest liquid nitrogen capacity
- Conform to MDD 93/42/EEC, the Medical Device Directive for the EU. Freezer systems UL/C-UL Listed
- Optional battery back-up
- 2-year warranty on parts; 5-year warranty on vacuum
- Small Footprint: 35,650 Straws in a 32" Footprint
- Innovative Inventory System: Features a two-tier storage, with a cutout in the top tier, allowing convenient access to the bottom tier.

	MVE 103***	MVE 816P-2T-190	MVE 1877P-2T-150
Maximum Storage Capacity			
○ 1.2 & 2 ml Vials (Internally Threaded)	-	10,500	-
○ High-Security Straw Capacity (0.5 ml)	7,728	31,584	347,424
○ Number of Canisters (73 ml)	23	94	517
○ Goblets/Canister: Straws/Goblet	2:168	2:168	4:168
○ Number of SUC-1 Canisters (2.5"x2.5"x11)	22	115	539
○ Number of 1.2 ml Vials on Canes	3,168	16,650	77,616
○ Number of 2.0 ml Vials on Canes	1,760	9,200	43,120
○ Number of 1/2 cc Straws 10/ cane	6,820	35,650	167,090
○ LN2 Capacity w/o Inventory L est.	39	381	1456
○ LN2 Capacity at Platform Vapor L est.	-	56	250
○ Neck Opening in. (mm)	16.0 (406)	12.5 (317)	25.0 (635)
○ Usable Internal Hight in. (mm)	12.0 (305)	13.0 (330) per level	13.0 (330) per tray
○ Inner Diameter in. (mm)	16.00 (406)	28.70 (728) top tier 27.70 (702) bottom tier	56.25 (1429) top and bottom tiers
○ Overall Height with Auto Fill in. (mm)	16.4 (415)***	58.0 (1473)	64.6 (1639)
○ Door Width Requirement** in. (mm)	18 (457)	32 (813)	60 (1524)
○ Weight Empty* lb. (kg)	48 (22)	475 (215)	1721 (781)
○ Weight Liquid Full* lb. (kg) est.	117 (53)	1155 (524)	4316 (1958)
○ Number of 1/2 cc Straws (10/cane)	6,820	35,650	167,090

**167,090 straws are specific to the MVE 1877P-2T-150

Our Freezers for IVF and Embryo Storage

MVE Series: 205, 510 616, 1426, 1839

The MVE Series freezers provide stable cryogenic storage for up to 151,200 straws**. These freezers provide maximum storage density and provide the industry's longest hold time. MVE Series are primarily designed for liquid storage.



Key Features:

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

	MVE 204 [†]	MVE 205	MVE 510	MVE 616	MVE 1426	MVE 1839
Maximum Storage Capacity						
○ 1.2 & 2 ml Vials (Internally Threaded)	3,200	5,200	10,400	16,900	26,650	39,000
○ 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	65	95	166	240	388	673
Unit Dimensions						
○ Neck Opening in. (mm)	16.00 (406)	16.00 (406)	20.70 (527)	25.10 (638)	31.75 (806)	39.40 (1002)
○ Usable Internal Height in. (mm)	19.7 (502)	28.9 (735)	30.0 (762)	29.5 (749)	29.3 (745)	33.6 (854)
○ Inner Diameter in. (mm)	16.00 (406)	16.00 (406)	20.70 (527)	25.13 (638)	31.75 (806)	39.40 (1002)
○ Overall Height w/ AutoFill in. (mm)	30.8 (784)	41.6 (1059)	46.7 (1185)	45.8 (1161)	42.4 (1076)	54.0 (1372)
○ Door Width Requirement** in. (mm)	18.0	20.4x18.5	30.6x29.7	33.5x34.6	33.8x41.6	46.1x48.3
○ Weight Empty lb. (kg)	79 (36)	195 (88)	281 (127)	320 (145)	490 (222)	750 (341)
○ Weight Liquid Full* lb. (kg)	195 (88)	365 (166)	577 (262)	748 (339)	1181 (536)	1950 (885)

**151,200 straws are specific to the MVE 1839



Why MVE

MVE Biological Solutions is the leading global manufacturer of vacuum insulated products and cryogenic systems.

Over 50 years, we set the standard for the storage of biological materials at low temperatures. MVE is the preferred brand for cryogenic equipment in a variety of application areas including bio-pharma cell and gene therapies, storage of cord blood and stem cells, medical research facilities, government institutions, IVF centers, hospitals and clinics, and animal husbandry and livestock.



Quality is in our DNA. MVE is the global standard in Cryogenic Freezer quality



60+ years of design experience by our experts in Ball Ground, Georgia - USA



Best-in-class hold time of up to 20 days in vapor, ensuring your samples are safe and secure.



5-year tank and vacuum warranty

For more information, speak with your MVE representative or contact your regional office.

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Intended Use & Indication for Use of Cryogenic Storage and/or Transport.

STORAGE ONLY

MVE Freezers are intended for the maintenance of cryogenic temperatures during storage for the indication of preserving human or animal biological products, samples or specimens (e.g., blood, blood products, cells, tissues, etc.) during storage.

STORAGE AND TRANSPORT

MVE Dewars and Vapor Shippers are intended for the maintenance of cryogenic temperatures during storage for the indication of preserving human or animal biological products, samples or specimens (e.g., blood, blood products, cells, tissues, etc.) during storage and or transportation.

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