

Laboratory Deep Freezer



Product Overview:

A deep freezer in a laboratory is a specialized piece of equipment used to store biological samples, chemicals, and other temperature-sensitive materials at very low temperatures. These freezers typically operate at temperatures ranging from -10°C to -40°C or even lower, depending on the model and requirements. The primary purpose of a deep freezer is to preserve the integrity and viability of samples for extended periods, preventing degradation and contamination.



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Specifications:

Temperature Range: -10°C to -40°C

Capacity: 100 to 700 liters

Power Supply: 220V/50Hz or 110V/60Hz

Cooling Method: Direct cooling or air cooling

Refrigerant: CFC-free, environmentally friendly refrigerants

Material: Stainless steel interior and exterior

Insulation: High-density polyurethane foam

Control System: Microprocessor-based temperature control with digital display

Number of Sample racks: 2

Defrost System: Manual or automatic defrost option

Features:

Temperature Stability: Ensures consistent and reliable temperature maintenance to protect sensitive samples.

Energy Efficiency: Low power consumption design to reduce operational costs.

Safety Features: Equipped with multiple safety features including password protection, lockable doors, and backup battery for the control system.

Storage Flexibility: Adjustable shelves and compartments to accommodate various sample sizes and storage needs.

Ergonomic Design: Easy-to-use interface and ergonomic handle design for user convenience.

Data Logging: Integrated data logging system to record temperature history and other critical parameters.

Remote Monitoring: Optional remote monitoring capability via Wi-Fi or Ethernet for real-time status updates and alerts.

Low Noise Operation: Designed to operate quietly to ensure a comfortable laboratory environment.

Serviceability: Easy access to components for maintenance and service.

Contact us:

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