

-86°C Ultra-Low Temperature Freezer

This ultra-low temperature freezer maintains a precise -86°C for preserving samples. It features a computer-controlled system that ensures temperature stability between -10°C and -86°C.



ADDITIONAL IMAGES



Overview

Professional Ultra-Low Temperature Storage

This ultra-low temperature freezer is engineered for the secure, long-term storage of biological samples, vaccines, and sensitive reagents. It features a high-precision digital control system with a temperature range of -10°C to -86°C, ensuring consistent stability for critical research. Designed with advanced safety protocols, including multi-level alarm systems and power-failure backup, it provides reliable protection for valuable specimens in laboratory and healthcare environments.

Performance

Temperature Range

-86 °C

Minimum Temperature

-10 °C

Maximum Temperature

Display Precision

1 °C

Refrigeration System

Key Components

- High-performance compressor
- Heat elimination fan
- Vaporizer cooling pipeline

Refrigerant

Fluoride-free

Control & Monitoring

Connectivity & Data

- RS-232 interface for PC communication
- Temperature curve diagnosis
- Password protection for settings
- Permanent power-off memory

Alarm Types

High Temperature, Low Temperature, Sensor Failure, Door-Opening, Electricity Failure, Low Battery, Low Voltage

Safety & Reliability

Security

- Keyboard lock
- Password protection
- Secure locking mechanism

Emergency Backup

Inbuilt lithium accumulator provides 72 hours of display and alarm function during power failure

Operating Voltage Range

187 - 242V