

-80°C Ultra-Low Temperature Freezer

This -80°C ultra-low temperature freezer maintains temperature constancy with a high-accuracy, computer-controlled system. The temperature set-value is adjustable from -10°C to -80°C, with a precise temperature display.



ADDITIONAL IMAGES



Product Overview

Ultra-Low Temperature Storage Solution

This high-performance ultra-low temperature freezer is engineered for the reliable preservation of biological samples, reagents, and sensitive materials. It features a precise, computer-controlled temperature system capable of maintaining stable conditions down to -80°C. With advanced safety protocols, robust refrigeration components, and comprehensive alarm systems, this unit provides a secure environment for critical laboratory and pharmaceutical applications.

Temperature Performance

Key Performance Metrics

-80 °C

Target Temperature

72 hours

Battery Backup Duration

Operating Temperature Range: -10°C to -80°C

Temperature Display Precision: 1 °C

Calibration Increment: 1 °C

Refrigeration System

Key Components

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

Refrigerant Type

Fluoride-free

Safety & Alarms

Security Features

- Keyboard lock
- Password protection
- Safe lock design
- Emergency power supply compatibility

Alarm Systems

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

Electrical Specifications

Voltage Operating Range

187V - 242V

Backup Power Support

Yes