



**-86 °C Ultra Low Temperature Upright
Freezer LD-LUF-D21**

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Overview

An ultra-low temperature freezer LD-LUF-D21 with a temperature of -86°C is used in laboratories and medical settings. With its high-precision temperature control system, this super deep freezer maintains a consistent temperature within the cabinet between -40°C and -86°C. Fast refrigeration is made possible by the deep freezer's focused refrigeration. It is ecologically friendly, energy-efficient, and human-centric in its design. Among other things, it can securely store pharmaceutical raw materials and laboratory research materials.

Features:

- Temperature setting made simple and accurate using a high-precision microprocessor temperature control system
- More accurate temperature control is possible with the platinum resistor temperature sensors
- With a digital temperature display that is accurate to 1°C, the high-definition control panel allows you to adjust the temperature between -40°C and -86°C
- Unauthorized entry and operation are prevented via a lockable door, a keyboard lock, and password access
- Stainless steel and coated steel panels on the outside of this upright deep freezer, along with four universal casters for effortless handling
- Adaptable Two to three stainless steel shelves with a double silicon gasket seal and an interior door
- Record two years' worth of data for the LD-LUF-D22 using the USB data logging feature
- Audio visual alarms for High/Low temperature, high ambient temperature, power failure, low battery, sensor failure, main board communication error, door ajar, condenser overheating & system failure
- Optional: freezer racks/boxes, CO2 backup system, and chart recorder

Applications:

Blood banks, health and disease prevention systems, hospitals, colleges and universities, research facilities, the electronic industry, college and university laboratories, biological engineering, military enterprises, deep-sea fishing companies, etc. can all use this medical/laboratory deep freezer.

Specifications:

Castors	04
Display	Digital
Shelves	01 (Stainless Steel)
Capacity	100 L
Compressor	01 pc
Controller	Microprocessor
Net Weight	145 kgs

Access Port	01 pc, Ø 25 mm
Refrigerant	HC
Cabinet Type	Undercounter
Defrost Mode	Manual
Gross Weight	189 kgs
Climate Class	N
External Lock	Yes
Backup Battery	Yes
Cooling Method	Direct Cooling
Inner Material	Stainless Steel
External Material	Cold Rolled Steel
Temperature Range	-40~-86 ?
Door Lock with Key	Yes
Ambient Temperature	16 – 32 ?
Cooling Performance	-86 ?
Insulation Thickness	91.5 mm
Package Dimension (W x D x H)	1230 x 863 x 991 mm
External Dimension (W x D x H)	1066 x 742 x 820 mm
Internal Dimension (W x D x H)	450 x 450 x 514 mm
Data Logging / Interval / Memory Capacity	USB / Record every 10 minutes / 100000 data