



**- 40 °C Upright Freezers LD-LUF-B25**

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# - 40 °C Upright Freezers LD-LUF-B25

## Overview

-40 °C Upright Freezer freezers offer high-performance cooling with energy efficiency and environmental sustainability. Using hydrocarbon refrigerants and high-efficiency compressors, they maintain stable internal temperatures ideal for preserving biological samples, reagents, and pharmaceuticals. The freezers include intelligent controls, multiple safety alarms, and is suitable for a wide range of applications from clinical labs and pharmaceutical facilities to research institutions and laboratories.

## Features:

- Accurate and stable cooling ensured by a precise microprocessor temperature controller
- Utilizes advanced direct-cooling technology for efficient temperature management
- Secure lockable front-opening door for safety
- Eco-friendly HC refrigerant used to support environmental sustainability
- Adjustable shelves and removable drawers for flexible organization of samples
- Quiet operation suitable for noise-sensitive environments
- Clear and easy-to-read digital display for real-time temperature monitoring
- Equipped with both audible and visual alarms to safeguard stored samples
- Multiple alarm systems including high/low temperature, sensor failure, power failure, and door ajar alerts
- Battery backup supports alarms and monitoring during power loss
- Remote monitoring options via USB or RS485 communication ports

## Applications:

The -40 °C Upright Freezer freezers are ideal for medical institutions, laboratories, pharmaceutical companies, research centres, and biobanks. They provide secure storage for biological samples, vaccines, reagents, blood plasma, enzymes, and other temperature-sensitive materials requiring consistent low-temperature conditions between -20 °C and -40 °C.

## Specifications:

<b>Casters</b>	4 (2 levelling feet)
<b>Shelves</b>	3 (stainless steel)
<b>Capacity</b>	1008 L
<b>Compressor</b>	2 pcs
<b>Net Weight</b>	320 Kg
<b>Access Port</b>	2pc. Ø 25 mm
<b>Refrigerant</b>	R290
<b>Cabinet Type</b>	Upright
<b>Defrost Mode</b>	Manual

<b>Gross Weight</b>	440 Kg
<b>Climate Class</b>	N
<b>External Lock</b>	Yes
<b>Backup Battery</b>	Yes
<b>Inner Material</b>	Stainless steel / Galvanized steel (optional)
<b>External Material</b>	Cold rolled steel
<b>Temperature Range</b>	-20 ~ -40 ?
<b>Door Lock with Key</b>	Yes
<b>Ambient Temperature</b>	16 – 32 ?
<b>Cooling Performance</b>	-40 ?
<b>Insulation Thickness</b>	L/R:130, B:120 mm
<b>Package Dimension (W x D x H)</b>	1473 x 1155 x 2176 mm
<b>External Dimension (W x D x H)</b>	1360 x 1006 x 1980 mm
<b>Internal Dimension (W x D x H)</b>	1022 x 696 x 1378 mm
<b>Data Logging/Interval/Memory Capacity</b>	USB / Record every 10 minutes / 1000,000 data