



**-86°C Ultra Low Temperature Chest  
Freezers LD-LCF-D13**

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# -86°C Ultra Low Temperature Chest Freezers LD-LCF-D13

## Overview

-86 °C Ultra Low Temperature Chest Freezers LD-LCF-D1 Series offer accurate and dependable cold storage, safeguarding the integrity of sensitive materials used in medical, laboratory, and research settings. Equipped with advanced temperature regulation and robust safety systems, these freezers consistently deliver the performance required for essential scientific applications.

## Features:

- High-precision microprocessor controller
- Climate Class N design ensures reliable operation under normal indoor conditions
- Digital display for real-time temperature monitoring
- Direct cooling system for rapid temperature pull-down
- USB data logging for long-term temperature records
- Eco-friendly, high-efficiency refrigerant
- Stainless steel inner chamber for durability
- Thick insulation for maximum temperature retention
- Password-protected settings with lockable interface
- Alarms for high/low temperature, high ambient temperature, power failure, and low battery
- Alerts for sensor failure, condenser overheating, USB datalogger issues, and communication errors

## Applications:

-86 °C Ultra Low Temperature Chest Freezers are designed for ultra-low temperature storage of sensitive biologicals, pharmaceuticals, and research samples across clinical, laboratory, and industrial environments.

## Specifications:

<b>Casters</b>	6
<b>Capacity</b>	668 L
<b>Compressor</b>	2 pcs
<b>Net Weight</b>	352 Kg
<b>Access Port</b>	1pc. Ø 40 mm
<b>Refrigerant</b>	Mixture gas
<b>Cabinet Type</b>	Chest
<b>Defrost Mode</b>	Manual
<b>Gross Weight</b>	509 Kg
<b>Climate Class</b>	N- type

<b>External Door</b>	1 (Steel plate with spraying)
<b>External Lock</b>	3
<b>Backup Battery</b>	Yes
<b>Inner Material</b>	Stainless steel
<b>External Material</b>	Cold rolled steel
<b>Temperature Range</b>	-40 ~ -86 ?
<b>Door Lock with Key</b>	Yes
<b>Ambient Temperature</b>	16 – 32 ?
<b>Cooling Performance</b>	-86 ?
<b>Insulation Thickness</b>	L/R:130, B:130 mm
<b>Package Dimension (W x D x H)</b>	2145 x 1305 x 1234 mm
<b>External Dimension (W x D x H)</b>	2008 x 1180 x 1041 mm
<b>Internal Dimension (W x D x H)</b>	1200 x 815 x 666 mm
<b>Data Logging / Interval / Memory Capacity</b>	USB/Record every 10 minutes / 100,000 data