



## **-150°C Ultra Low Temperature Chest Freezers LD-LCF-G10**

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# -150°C Ultra Low Temperature Chest Freezers LD-LCF-G10

## Overview

LD-LCF-G1 Series is a high-efficiency cryogenic freezer designed for ultra-low temperature storage between -110 °C and -150 °C. With a 128 L & 258 L capacity, Vacuum Insulated Panel, and a digital microprocessor controller, it ensures precise, stable preservation of sensitive biological materials perfect for research, medical, and industrial applications.

## Features:

- Digital display for easy monitoring
- Advanced direct-cooling technology
- Lockable top-opening chest door
- Dual-layer foaming insulation
- Oil-lubricated compressor for reliable performance
- Environmentally friendly refrigerant
- Parameter modifications are protected by keyboard lock and password
- The freezer features multi-level audible and visual alarms for temperature fluctuations, power failure, open door, low battery, and system errors
- Real-time monitoring and alert logging for traceability

## Applications:

The -150°C ultra-low temperature freezer is perfect for preserving vaccines, biological samples, tissues, and stem cells, supporting research, biobanking, and pharmaceutical needs.

## Specifications:

|                       |                     |
|-----------------------|---------------------|
| <b>Casters</b>        | 6                   |
| <b>Capacity</b>       | 128 L               |
| <b>Compressor</b>     | 1pc                 |
| <b>Net Weight</b>     | 390 Kg              |
| <b>Access Port</b>    | 1 pc. Ø 40 mm       |
| <b>Foaming Lid</b>    | 2                   |
| <b>Refrigerant</b>    | Mixture gas         |
| <b>Defrost Mode</b>   | Manual              |
| <b>Gross Weight</b>   | 529 Kg              |
| <b>Climate Class</b>  | N                   |
| <b>Backup Battery</b> | Yes                 |
| <b>Inner Material</b> | 304 Stainless steel |

|                                                |                                             |
|------------------------------------------------|---------------------------------------------|
| <b>External Material</b>                       | High quality Steel plates with spraying     |
| <b>Temperature Range</b>                       | -110 ~ -150 ?                               |
| <b>Door Lock with Key</b>                      | Yes                                         |
| <b>Ambient Temperature</b>                     | 16-32 ?                                     |
| <b>Cooling Performance</b>                     | -145 ?                                      |
| <b>Insulation Thickness</b>                    | 205 mm                                      |
| <b>Package Dimension (W x D x H)</b>           | 1815 x 1085 x 1304 mm                       |
| <b>External Dimension (W x D x H)</b>          | 1665 x 1000 x 1115 mm                       |
| <b>Internal Dimension (W x D x H)</b>          | 510 x 460 x 540 mm                          |
| <b>Data Logging/ Interval/ Memory Capacity</b> | Printer/Record every 20 minute /100,000data |