



-86°C
Ultra Low Temperature
Chest Freezer LCF-D10

-86°C Ultra Low Temperature Chest Freezer LCF-D10 is an ultra-low temperature freezer comprised with 50 L of capacity, offers -40 to -86°C of temperature range with direct cooling method and manual defrost mode. Features microprocessor control system and SECOP compressor with EBM fan and mixture gas refrigerant, provides -86°C of cooling performance. Ergonomic design with high quality steel plate with spraying exterior and stainless-steel interior, has two-times foaming technology with 110 mm foaming insulation. Equipped with advanced alarm system and digital display, has delayed start and safe stop interval protection along with keyboard lock and password access.

FEATURES

- ▶ An ultra-low temperature freezer with 50 L of capacity, multigrade freezer
- ▶ -40 to -86°C of temperature range with direct cooling method and manual defrost
- ▶ Microprocessor control system and SECOP compressor with EBM fan
- ▶ Mixture gas refrigerant, high-quality CFC-free and environment-friendly
- ▶ -86°C of cooling performance, fast and targeted refrigeration
- ▶ Ergonomic design, can be applied to hospital, blood bank, university, laboratories etc.
- ▶ High quality steel plate with spraying exterior and stainless-steel interior
- ▶ Two-times foaming technology with 110 mm foaming insulation, effective insulation
- ▶ Advanced audible and visual alarm system alarm system, ensures safe operation
- ▶ Digital display, convenient setting and monitoring of different operation parameters
- ▶ Delayed start and safe stop interval protection and keyboard lock and password access
- ▶ High-efficient, stable and reliable unit with DC/DC power management module

APPLICATION

-86°C Ultra Low Temperature Chest Freezer is used across hospitals, health and epidemic prevention system, scientific research institutes, biological engineering, laboratory in colleges and universities, military industrial enterprises, etc.

SPECIFICATION

MODEL	LCF-D10
Cabinet type	Chest
Capacity	50 L
Temperature Range	-40 to -86°C
Ambient Temperature	16 to 32°C
Cooling Performance	-86°C
Cooling Method	Direct Cooling
Defrost Mode	Manual
Refrigerant	Mixture Gas
Climate Class	N
Controller	Microprocessor
Display	Digital Display
Compressor	1 pc.
Alarm System	High/Low temperature, High ambient temperature, Power failure, Low battery, Sensor failure, Condenser overheating alarm, Built-in datalogger USB failure, Main board communication error
External Material	High Quality Steel Plates with Spraying
Internal Material	Stainless-steel
Insulation	110 mm
Casters	4
Door Lock with Key	Yes
Access Port	1 pc. Φ 25 mm
Data Logging/Interval/Recording Time	USB/Record every 10 minute / 2 years
Backup Battery	Yes
Protection Function	Delayed start and safe stop interval protection
Power Supply	220 to 240 V, 50 Hz

-86°C Ultra Low Temperature Chest Freezer LCF-D10

Rated Current	5.3 A
Internal Dimension (W×D×H)	430×305×425 mm
External Dimension (W×D×H)	677×606×1081 mm
Packaging Dimension (W×D×H)	788×720×1283 mm
Net Weight	74 kg
Gross Weight	123 kg

Standard Accessories

ACCESSORIES NO.	ACCESSORIES NAME
1	RS485
2	Remote alarm contact

Optional Accessories

ACCESSORIES NO.	ACCESSORIES NAME
1	Chart Recorder
2	CO ₂ Backup System