



**-86 °C Ultra Low Temperature  
Upright Freezer LD-LUF-D28**

-86 °C Ultra Low Temperature Upright Freezer LD-LUF-D28 is a 1008 L comprised upright type unit, comes with 4 independent inner doors and VIP plus vacuum insulation panel. Features -86°C of cooling performance and direct cooling method with manual defrost mode and HC mixture gas refrigerant. Designed with high quality steel plates with spraying housing and galvanized steel sheet interior, has lockable door with full height handle along with 3 stainless steel shelves. Equipped with microprocessor control and PT-100 platinum resistance sensors with LED touch screen display, provides temperature control range of -40 to -86°C. With advanced alarm system, keypad lock and password protection, it is an optimal unit for long-term and safe storage of different samples.

### **Features:**

- 1008 L comprised upright type unit, convenient and efficient storage
- 4 independent inner doors and VIP plus vacuum insulation panel, effective insulation
- -86°C of cooling performance and direct cooling method with manual defrost mode
- HC mixture gas refrigerant, energy efficient and environment friendly
- High quality steel plates with spraying housing and galvanized steel sheet interior
- Lockable door with full height handle, prevent unauthorized access to samples
- 3 stainless steel shelves, adjustable and easy-to-clean with low maintenance
- Microprocessor control and PT-100 platinum resistance sensor, precise control
- LED touch screen display, convenient setting and monitoring of temperature
- Temperature control range of -40 to -86°C, ultra-low temperature freezer
- Advanced alarm system, keypad lock and password protection, safe operation
- High-efficient unit for fast refrigeration under targeted temperature

### **Applications:**

Upright Freezers is used in scientific research, cryogenic test on special materials, blood plasma cryopreservation, low temperature resistance test on biological materials, vaccines, biological products and military products, etc. and Suitable for use in research institutions, the electronic industry, the chemical industry, hospitals, the health & disease prevention system, laboratories in colleges & universities, military enterprises, etc.

**Specifications:**

<b>Model No.</b>	<b>LD-LUF-D28</b>
Cabinet type	Upright
Capacity	1008 L
Temperature range	-40 to -86°C
Ambient temperature	16 to 32°C
Cooling performance	-86°C
Refrigerant	HC Mixture gas
Defrost Mode	Manual
Cooling method	Direct cooling
Controller	Microprocessor
Display	7-inch LED Touch screen
Climate class	N
Insulation thickness	130 mm
Compressor	2 pcs
Alarm system	High and low temperature, high ambient temperature, Power failure, Sensor error, Main board communication error, Built-in datalogger USB failure, Condenser overheating failure, Door ajar, System failure
External material	High quality steel plates with spraying
Inner material	Galvanized steel sheet
Shelves	3 (stainless steel)
Door lock with key	Yes
External Lock	Yes

Access Port	3 pcs. $\Phi$ 25 mm
Casters	4 +(2 leveling feet)
Data Logging / Interval/ Recording Time	USB/Record every 1 minute / 365 days
Backup Battery	Yes
Power supply	220 to 230 V /50 Hz
Rated Current	13.39 A
Internal Dimension (W×D×H)	1022×696×1378 mm
External Dimension (W×D×H)	1362×1025×2002 mm
Package Dimension (W×D×H)	1473×1155×2176 mm
Net weight	430 kg
Gross weight	559 kg
Standard Accessories	Remote alarm contact
Optional Accessories	Chart recorder CO2 backup system Printer