



**-86 °C Ultra Low  
Temperature Upright  
Freezer LD-LUF-D27**

-86°C freezer LD-LUF-D27 is an upright type freezer comes with 730L capacity and offers temperature range -40 to -86°C. Features with microprocessor controlled system with LED digital temperature display to show various parameters simultaneously. Designed with direct cooling system and manual defrost mode, equipped with Double hydrocarbon cascade refrigeration system. Vacuum Insulation panel in Polyurethane foaming insulation improves temperature control, easily removable washable filter provides protection from dust on the condenser and increases refrigeration performance. Offers single hand operation handle, password lock can be added to avoid unauthorized access.

## Features

- User friendly microprocessor control system with highly visible display with simplified programming
- Temperature ranges from -40°C to -86°C with cooling performance at -86°C
- Upright type, exterior and inside body all made of powder coated cold-rolled steel
- With height adjustable 304 stainless steel shelves for easy storage of samples
- Two foaming inner doors with latch reduces cold air leakage and ensured quick temperature recovery after door open
- Two refrigeration system run independently and alternately, if unexpected failure occur in one cooling circuit, the other can maintain the freezer at -70°C.
- Audible and visual alarms for power failure, high/low temp, door ajar, condenser hot, sensor malfunction, high ambient temperature, remote alarm, etc.
- Provided with 2 access ports, pressure release port to avoid pressure difference formed when door is open.
- Four casters with brake and the level feet for easy mobility

## Specifications

Capacity	730 L
Temperature Setting Range	-40 °C to -86 °C
Display	LED digital display
Ambient Temperature	10 °C ~ 32 °C
Cooling Type	Direct Cooling
Defrost	Manual
Refrigerant Gas	Mixture Gas, HC Type
Insulation Material	Polyurethane Foam(PUF)+ Vacuum Insulation Panel
Inner & External Door	Powder Coated Steel
Inner Door Quantity	2
Shelves	3
Casters	4 Casters With Level Feet
Access Port	2
Sound Level	52 dB
Interior Size (W x D x H)	740 x 730 x 1310 mm
Exterior Size(W x D x H)	920 x 952 x 1970 mm
Package Size (W x D x H)	1130 x 1110 x 2080 mm
Net Weight	310 kgs
Gross Weight	370 kgs
Power	1100 W

Power Supply, Current	220 V/50-60 Hz, 5.9 A or 115 V/60 Hz, 11.8 A
Pad Lock Kit	Yes
CO2/LN2 Backup System	Optional
7 days chart recorder	Optional

### **Application**

Upright Freezers is used in scientific research, cryogenic test on special materials, 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, clinical labs, blood banks, hospitals, the health & disease prevention system, laboratories in colleges & universities, military enterprises, etc.