-10°C~-25°C Biomedical Freezer

Double Compressors • Independent Control

BL-YL450

⚙ Refrigeration System
·The environmentally friendly Freon-free refrigerant and high-efficiency enclosed compressor supplied by a famous brand can ensure energy saving and low noise.
·The condenser installed on the bottom ensures temperature stability and system reliability.

🌡 Temperature Control
The high-precision computerized temperature control system ensures an adjustable temperature within a range from -10 to -25°C inside the cabinet.

🔑 Security System
The well-developed audible & visual alarm system (sensor failure alarm, high temperature/low temperature alarm, etc.) makes it safer for storage;
The turn-on delay and stopping interval protection function can ensure reliability in running;

👥 Human-oriented
The built-in door gasket is dustproof and easy to clean

High-precision Temperature Control

·The digital temperature display can indicate operating status clearly;
·The high-precision microcomputer temperature control system enables users to set the temperature inside the cabinet within a range from -10°C to -25°C.

Temperature Ddata Storage

Standard with micro-printer, the minimum storage interval is 1 minute and the maximum storage interval is 240 minutes. It can record 100,000 sets of data, records before more than 100,000 sets of data are automatically overwritten.

Refrigeration System

·The environmentally friendly Freon-free refrigerant and high-efficiency enclosed compressor supplied by a famous brand can ensure energy saving and low noise;
·The condenser installed on the bottom ensures temperature stability and system reliability;
·The CFC-free polyurethane foam technology and the thicker insulating layer can improve the effect of thermal insulation.

Alarm system

·The well-developed audible & visual alarm system makes it safer for storage;
·Equipped with alarm functions including high/low temperature alarm, sensor failure alarm, power failure alarm, low battery alarm, door ajar alarm, recorder failure etc.
·The turn-on delay and stopping interval protection function can ensure reliability in running;
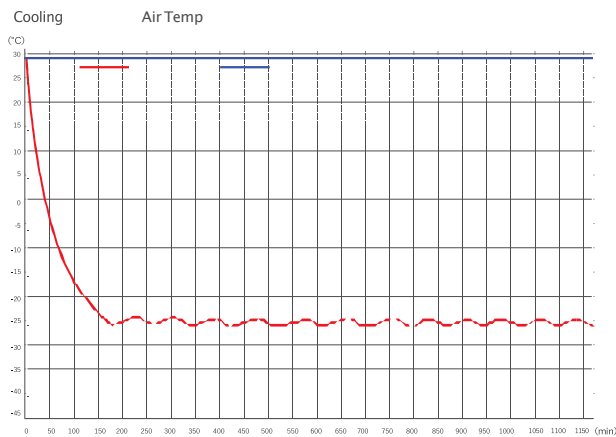·The door is equipped with a lock, improving security of sample storage.

Human-oriented

·The arc angle-shaped door frame and cabinet design makes its appearance more attractive;
·The built-in door gasket is dustproof and easy to clean;
·Each of the refrigerating chamber and the freezing chamber is equipped with 6 drawers, which are convenient for storage of samples.
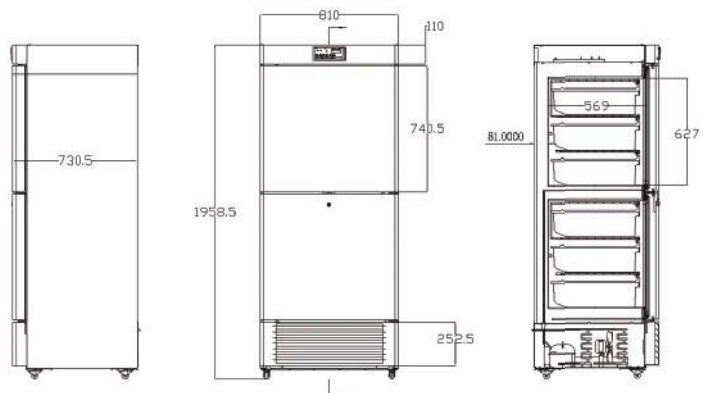
☑ Scope of Application

Suitable for freezing of ice bars and storage of various things needing refrigerated storage such as blood plasma, reagent, etc. Suitable for use in hospitals, clinics, health and disease prevention systems, blood banks, laboratories in colleges & universities, the frozen food industry and catering industry, etc.

Performance Data / Cooling Curve

Cooling   Air Temp

(°C)

External Dimension

810   410
740.5
1958.5
730.5
252.5
81.0000   569   627

﷼ Specification Chart

-25℃ Biomedical Freezer

Model	BL-YL450
Cabinet Type	Upright
Capacity(L)	450
Internal Size(W*D*H)mm	(650*570*627)*2
External Size(W*D*H)mm	810*735*1960
Package Size(W*D*H)mm	895*820*2035
NW/GW(Kgs)	136/148

Performance

Temperature Range	-10～-25℃
Ambient Temperature	16-32℃
Cooling Performance	-25℃
Climate Class	N
Controller	Microprocessor
Display	Digital display

Refrigeration

Compressor	2pcs
Cooling Method	Direct cooling
Defrost Mode	Manual
Refrigerant	R600a
Insulation Thickness(mm)	80

Construction

External Material	Powder coated material
Inner Material	Aluminum plate with spraying
Drawer	6*2(ABS)
Door Lock with Key	Yes
Door	2
Access Port	2pcs. Ø 25 mm
Casters	4(2casters withbrake)
Data Logging/Interval/Recording Time	USB/Record every 10 minute / 2 years
Backup Battery	Yes

Alarm

Temperature	High/Low temperature, High ambient temperature
Electrical	Power failure, Low battery
System	Sensor failure, USB datalog failure, Door ajar Main board communication error, Recorder failure

Electrical

Power Supply(V/HZ)	220-240~/50
Power(W)	206
Power Consumption(KWh/24h)	2.24
Rated Current(A)	1.9

Accessory

Standard	RS485
Options	Printer, RS232, Remote alarm contact