-86 °C Ultra Low Temperature Upright Freezer LUF-C20

-86 °C Ultra Low Temperature Upright Freezer LUF-C20 is an upright type freezer comes with 100 L capacity and offers temperature range-40 to-86˚C and-86˚C cooling performance. Features with microprocessor-controlled system with interior digital temperature display to show various parameters simultaneously. Designed with direct cooling system and manual defrost mode, equipped with eco- friendly refrigerant Mixture gas, Built-in high-precision microcomputer temperature control system and platinum resistor temperature sensors. It offers high or low temperature alarm, Door open alarm and Keyboard lock, password protection function to prevent arbitrary adjustment of operating parameters.

Features

☐ Designed with high-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control

☐ Temperature ranges from-40 to-86˚C

☐ EBM fan are powerful, energy-saving and highly efficient

☐ Six sides of the cabinet are made from high-performance vacuum insulation material, improving thermal insulation performance to a large extent

☐ The rotating handle facilitates door opening

☐ Universal wheels easy for movement and fixation

☐ Two-layer heat insulating foamed door with airbag-typed outer seal and the insulation

☐ Forced air circulation system

☐ Highly effective condenser and expansive evaporator to provide quick freezing

☐ Upright type, Exterior and inside body all made from stainless steel

☐ Design with safety door lock, ensure sample storage is more secure

☐ The perfect audible & visual alarm system high/low temperature, sensor failure, door open, and power failure etc

Application

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

Model	LUF-C20
Cabinet type	Upright
Capacity	100 L
Temperature range	-40 to-86˚C
Ambient temperature	16 to 32˚C
Cooling performance	-86˚C
Refrigerant	Mixture gas
Defrost Mode	Manual
Cooling method	Direct cooling
Controller	Microprocessor
Display	Digital display
Climate class	N
Insulation thickness	90 mm, R:115 mm
Compressor	1 pc.
Alarm system	High and low temperature, high ambient temperature, Power failure, Low battery, Sensor error, Main board communication error, System failure, Condenser cooling failure, Door ajar, Built-in data logger USB failure
External material	Steel plates with spraying
Inner material	Stainless steel

Shelves	1 (stainless steel)
Door lock with key	Yes
External Lock	Yes
Access Port	1pcs. Φ 25 mm
Casters	4
Data Logging / Interval/ Recording Time	USB/Record every 10 minute / 2 years
Backup Battery	Yes
Rated current	4.75 A
Power consumption	9.2 kWh/24h
Power supply	220 to 240 V /50 Hz
Internal dimension (W×D×H)	450 × 439 × 514 mm
External dimension (W×D×H)	1074 × 751 × 820 mm
Package dimension (W×D×H)	1200 × 863 × 991 mm
Net weight	145 kg
Gross weight	227 kg

Standard Accessories

Accessories no.	Name
1	RS485
2	Remote alarm contact

Optional Accessories

Accessories no.	Name
1	Chart recorder
2	CO_2 backup system
3	Printer