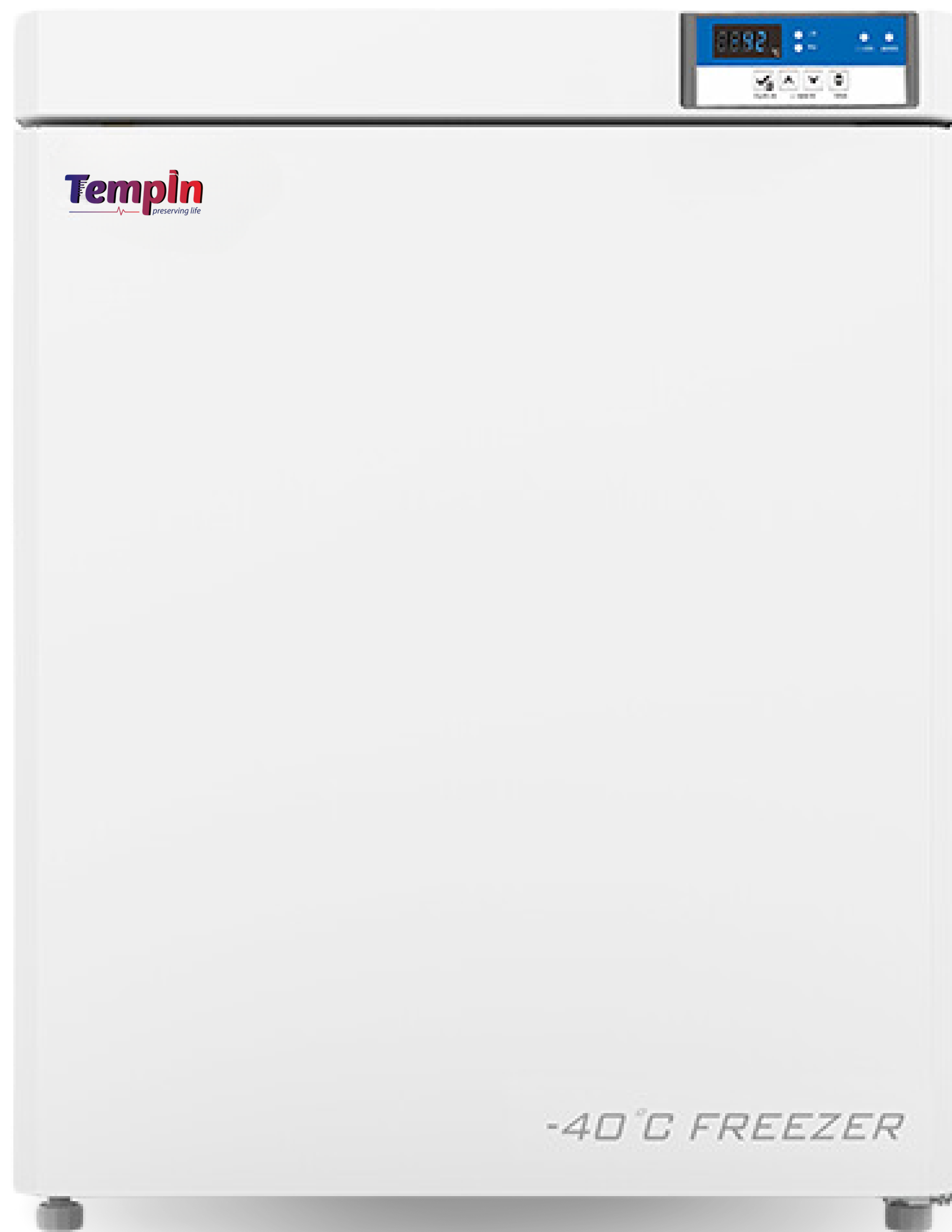


TemplinTM
preserving life

Plasma Freezer -40°C



-40°C Undercounter Ultra-Low Temperature Freezer TI-DF-40-U90

Features

- **Small volume**
- **High-efficiency refrigeration system**
- **Reliable security system**
- **Human-oriented design**
- **pharmaceutical grade undercounter freezer.**



- •Constant Temperature under Intelligent Control
- •High-efficiency refrigeration for security of blood
- •6 dip-coating shelves with label strips
- •Advanced air cooling design
- •Store 360bags 400ml blood bags.

Features

- Small volume undercounter ultra low freezer occupies small space
- The system has the function of digital temperature display and temperature inside the cabinet can be set with in range from -20°C to -40°C The high-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control
- The compressor supplied by an international famous brand and EBM fan is energy-saving and environmentally friendly
- The refrigerating circuit with proprietary intellectual property rights ensures high efficiency and stability
- 3 drawers can be used for storage based on classification
- The two-layer thermal insulating foamed door can prevent loss of refrigerating capacity in an effective way
- The cabinet is made from CFC-free polyurethane material, which can improve its heat insulating performance to a large extent
- The well-developed audible & visual alarm system makes it safer for storage
- The turn-on delay and stopping interval protection function can ensure reliability in running
- The keyboard lock function can prevent any adjustment of operating parameters without permission
- The door is equipped with a lock, improving security of sample storage.

Scope of Application

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

Overview

-20°C ~-40°C Undercounter ultra low temperature freezer Ti-DF-40-U90 is a high quality medicine/laboratory freezer with stable performance. It is equipped with international famous refrigeration system, which is high- efficiency and environmental friendly. And the condenser is designed perfectly for temperature stability and refrigeration system reliability. This low temp freezer is designed for laboratory and medical grade and best for storage of special materials, vaccine and biological products.

High-efficiency 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.

High-precision Temperature Control

The high-precision computerized temperature control system ensures an adjustable temperature within a range from -20 to -40°C inside the cabinet.

Reliable Security System

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

Human-oriented

- The invisible door handle can prevent damage during transportation and save space;
- The 3 drawers are convenient for separate storage of different types of things and can prevent cross influence among various things.

Model	Ti-DF-40-U90
Cabinet type	Upright
Capacity(L)	90
Internal size(W*D*H)mm	500*485*532
External size(W*D*H)mm	700*669*854
Package size(W*D*H)mm	765*735*935
NW/GW(Kgs)	54/68
Performance	
Temperature range	-20 ~ -40°C
Ambient temperature	16-32°C
Cooling performance	-40°C
Climate class	N
Controller	Microprocessor
Display	Digital display
Refrigeration	
Compressor	1pc
Cooling method	Direct cooling
Defrost mode	Manual
Refrigerant	R290
Insulation thickness(mm)	L/R:100, B:100

Construction	
External material	PCM
Inner material	Aluminum plate with spraying
Drawers	3(ABS)
Door lock with key	Yes
Access port	1pc. Ø 25 mm
Casters	2+(2 leveling feet)
Data logging/Interval/Memory capacity	USB/Record every 10 minutes/1000,000data
Backup battery	Yes
Alarm	
Temperature	High/Low temperature, High ambient temperature
System	Power failure, Low battery
Construction	Sensor failure,Door ajar,Built-in USB datalogger failure,Communic
Accessory	
Standard	RS485, Remote alarm contact