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preserving life

Combined Refrigerator And Freezer



**2°C~8°C/-10°C~-40°C Medical
Combined Refrigerator And
Freezer TI-FL-450**

Features

- **Combination refrigerator and freezer with upper 2°C ~ -8°C and lower-10°C~-40°C**
- **Direct cooling and electronic temperature control for fast refrigeration and constant temperature**
- **Separate control of upper refrigeration chamber and lower freezing chamber with separate compressors**
- **Digital temperature display to control temperature precisely and monitor operating status clearly**
- **Ensure safe sample storage with inter-room independent door lock and independent external padlock**
- **Tube-type condenser and built-in type evaporator work well to keep the temperature in the cabinet**
- **LED lighting in the cabinet of the combination refrigerator freezer provides great visibility**
- **The lower freezing chamber is equipped with drawers and the refrigeration chamber is equipped with steel wire shelves**
- **The combination refrigerator freezer is equipped with casters at the bottom for conveniently movement and placement**
- **Standard with Build-in USB datalogger for temperature data recording**

Structure





Overview

2°C~8°C/-10°C~-40°C refrigerator freezer combo TI-FL450 works as scientific refrigerator freezer and medical refrigerator and freezer, which comes with brand new appearance. It is fridge freezer with upper refrigeration and lower freezing separately control. This fridge freezer combo adopts high-efficiency 2 compressors and environmentally friendly refrigeration, which can ensure fast refrigeration and separately control of upper refrigeration chamber and lower freezing chamber. The digital temperature display can indicate operating status clearly, and you can set the high temperature or low temperature alarm points regarding to your needs. We design the thermal insulation with thicker insulation layer and CFC-free polyurethane foam technology for better insulation effect.

High-precision Temperature Control System

The temperature control system of this combination refrigerator freezer can display the humidity and temperature independently. And you are able to check and view the operating status clearly on the display. This medical grade refrigerator freezer allows you to set the temperature freely with upper temperature in the range of 2°C~8°C and lower temperature in a range of -10°C~-40°C.

High-efficiency Refrigerating System

This combination refrigerator freezer is equipped with high-efficiency compressors for upper refrigeration chamber and lower freezing chamber. And the refrigerant is environmentally friendly, which can ensure energy-saving and high-efficiency. The CFC polyurethane foaming technology and thicker insulation layer can improve the effect of thermal insulation.

Comprehensive Security System

It is also a secure vaccine storage refrigerator freezer for the in-built 8 audible and visual alarm system, including high ambient temperature alarm, high/low temperature alarm, sensor failure alarm, communication failure (USB) data download failure alarm, low battery alarm, door ajar alarm, power failure alarm, which ensure safer sample storage.

Model	TI-FL-450
Cabinet type	Upright
Capacity(L)	450, R:225, F:225
Internal size(W*D*H)mm	R:650*570*627, F:650*570*627
External size(W*D*H)mm	810*735*1960
Package size(W*D*H)mm	895*820*2135
NW/GW(Kgs)	146/173
Performance	
Temperature range	R:2 ~ 8, F:-10 ~ -40
Ambient temperature	16-32°C
Cooling performance	R:5, F:-40
Climate class	N
Controller	Microprocessor
Display	Digital display

Refrigeration	
Compressor	2pcs
Cooling method	R: Forced air cooling, F:Direct cooling
Defrost mode	R: Automatic, F: Manual
Refrigerant	R: R600a, F: 290
Insulation thickness(mm)	R: 80, F: 80
Construction	
External material	PCM
Inner material	Aluminum plate with spraying
Shelves	R:3(coated steel wired shelf), F:6(ABS)
Door lock with key	Yes
Lighting	LED
Access port	2
Casters	4 (2 casters with brake)
Data logging/Interval/Recording time	USB/Record every 10 minutes/2 years
Backup battery	Yes



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