



# -25°C

# Biomedical Freezer

## Model: MDF-25V100

(Version: 2024-5)



## Applications

The -25°C medical deep freezers are designed to store vaccines, blood plasma, reagents, and many other biological materials which are widely used in research institutions, clinics, and medical fields.

## Features

- Microprocessor control, ensure good inner temperature uniformity, accuracy is 0.1°C
- HC green refrigerant is energy-saving and environmentally friendly.
- Wide available voltage range: 187V~242V.

## Security

- Safety door lock and controller password to prevent unauthorized access.
- Built-in backup battery to display temperature and alarms when power failure or system error.
- Visual and audible alarm system.
- Power failure protection: turn-on delay of the cooling system after power failure.
- Controller error protection: the cooling system will remember the normal working cycle and keep working depending on this memory when the controller or two sensors failed.

## Humanized design

- Drawers for easy storage.



## Specifications

Model NO.	MDF-25V100
<b>Main Specifications</b>	
Temperature Range	-10 ~ -25 °C
Ambient Temperature	10 ~ 32°C
Capacity (L/Cu. Ft.)	100 / 3.53
Interior Dimensions (W×D×H) mm	410×410×670
Exterior Dimensions (W×D×H) mm	540×553×877
Weight	32 kgs
Noise	50 dB
<b>Control and Power</b>	
Controller	Microprocessor
Display	Digital
Sensor	NTC
Voltage and Frequency	187~242V, 50/60Hz
Power	73 W
Electric Current	0.7 A
Power Consumption (kWh/24h)	0.95
<b>Audible and Visual Alarms</b>	
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 8h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
<b>Refrigeration</b>	
Refrigeration Type	Direct Cooling
Defrost	Manual
Compressor (Brand/pcs)	Chinese Brand / 1
Refrigerant / Weight (kgs)	R600a / 37g
<b>Cabinet</b>	
Door (pcs)	Foamed Solid Door / 1
Drawer (pcs)	4
Interior Cabinet Material	HIPS
Exterior Cabinet Material	Coated Steel
Insulation Material	PURF (δ78mm)
Door Lock	Yes
Fixed / Levelling Feet (pcs)	4 / 0
<b>Accessories</b>	
Voltage Stabilizer	Optional
Temperature Datalogger	Optional
<b>Shipping</b>	
Package	Carton box
Shipping Weight	43 kgs
Shipping Size (W×D×H)	590×590×900
Shipping Volume	0.31 CBM