2~8°C

Biomedical Refrigerator

(Forced-air Cooling System)

Model: MPC-5V100

Applications

2~8°C biomedical refrigerators are specially designed to store medicines, vaccines, reagents, and bio-medical products.

Features

- Microprocessor control, ensure the inside temperature is within 2~8°C, accuracy is 0.1°C
- Suggested ambient temperature: +10~32°C.
- Specially designed forced-air cooling system, ensures frost-free cabinet and good temperature uniformity.
- Wide available voltage range: 220V±10%.

Security

- Safety door lock and controller password to prevent unauthorized access.
- 8h built-in backup battery to power the controller and save temp. data 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

- Special designed service-free drainage system, ensure no water in the cabinet.
- Adjustable shelves for easy storage.
- Auto on/off LED light with manual switch on the control panel.
- Auto on/off cooling fan to prevent cold air from leaking out when the door is opening.

Specifications

Model NO.	MPC-5V100
Main Specifications	
Temperature Range	2 ~ 8 °C
Ambient Temperature	10~32℃
Capacity (L/Cu. Ft.)	100 / 3.53
Interior Dimensions (W×D×H) mm	385×356×737
Exterior Dimensions (W×D×H) mm	505×510×875
Weight	35 kgs
Noise	50 dB
Control and Power	
Controller	Microprocessor
Display	Digital
Sensor	NTC
Voltage and Frequency	220V±10%, 50/60Hz
Power	80 W
Electric Current	0.8 A
Power Consumption (kWh/24h)	1.17
Audible and Visual Alarms	
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 8h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Refrigeration	
Refrigeration Type	Forced-air Cooling
Defrost	Auto
Compressor (Brand/pcs)	Chinese Brand / 1
Refrigerant / Weight	R600a / 30g
Cabinet	
Door (pcs)	Glass Door / 1
Adjustable Shelf (pcs)	3
Interior Cabinet Material	HIPS
Exterior Cabinet Material	Coated Steel
Insulation Material	PURF (δ60mm)
Door Lock	Yes
LED Lamp	Yes
Fixed Feet (pcs)	4
Accessories	
Remote Alarm Port	Yes
USB Data Download Port	Optional
RS485 Port	Optional
Temperature Datalogger	Optional
Temperature Printer	Optional
Solid Door (Foamed)	Optional
Shipping	
Package	Carton box
Shipping Weight	38 kgs
Shipping Size (W×D×H)	590×590×950
Shipping Volume	0.33 CBM

* Due to continuous product upgrades, the above specifications are for reference only. For the latest specifications, please contact us.