



+22°C

Platelet Shaking Incubator

Model: MDC-5

(Version: 2024-5)



Applications

The +22°C blood platelet shaking incubators are specially designed to store platelet for hospitals and blood stations.

Features

- Accurate microprocessor controller makes the inside temperature within $+22\pm 2^{\circ}\text{C}$ and resolution 0.1°C .
- Suggested ambient temperature: $+10\sim 32^{\circ}\text{C}$.
- 304 stainless steel inner chamber and shelves for friendly use and easy cleaning.
- Specially designed forced-air cooling system, ensures frost-free cabinet and good temperature uniformity.
- Toughened glass door with self-close function.
- Wide available voltage range: 187V~242V.

Security

- Safety door lock and controller password to prevent unauthorized access.
- 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.
- 4 casters with stopper for easy moving and fixation.
- UV sterilization: adjustable sterilization time and will turn off automatically when the door is open.



Specifications

Model NO.	MDC-5
Main Specifications	
Temperature Range	20 ~ 24°C
Ambient Temperature	10~32°C
Capacity (L/Cu. Ft.)	108 / 3.81
Interior Dimensions (W×D×H) mm	427×360×467
Exterior Dimensions (W×D×H) mm	522×600×1035
Weight	65 kgs
Noise	49 dB
Storage	
450ml Blood Bag	10
Control and Power	
Controller	Microprocessor
Display	LCD
Sensor	NTC
Voltage and Frequency	187~242V, 50/60Hz
Power	197 W
Electric Current	1.3 A
Power Consumption (kWh/24h)	2.69
Audible and Visual Alarms	
High / Low Temp. Alarm	Yes
Power Failure Alarm	Yes, 72h
Sensor Error Alarm	Yes
Controller Error Alarm	Yes
Door Ajar Alarm	Yes
Refrigeration	
Refrigeration Type	Forced-air Cooling
Defrost	Auto
Compressor (Brand/pcs)	EMBRACO / 1
Refrigerant / Weight (kgs)	R134a / 53g
Cabinet	
Door (pcs)	Self-closing Foamed Glass Door / 1
Fixed / Adjustable Shelf (pcs)	5 / 0
Interior Cabinet Material	304 Stainless Steel
Exterior Cabinet Material	Coated Steel
Insulation Material	PURF (δ45mm)
Door Lock	Yes
LED Lamp	UV Lamp
Test Hole (pcs)	Optional
Fixed / Levelling Castors (pcs)	4 / 0
Accessories	
Voltage Stabilizer	Optional
USB Data Download Port	Optional
Remote Alarm Port	Optional
RS232 / RS485 Port	Optional
Temperature Datalogger	Optional
Temperature Printer	Yes
Shipping	
Package	Plywood box with pallet
Shipping Weight	87 kgs
Shipping Size (W×D×H)	572×685×1200
Shipping Volume	0.47 CBM