

-40°C Deep Freezer

Antech -40°C deep freezer is designed to store temperature sensitive medical products and biological materials at accurate controlled temperature. Available with 3 capacities: 90 liter under-counter freezer, 270 liter single-door freezer and 450 liter two-door freezer. It is an ideal product to store plasma, reagent and other biomedical products which require to be stored at -20~-40°C temperature.



LOW CO2 EMISSIONS



NATURAL REFRIGERANT



CFC /HCFC FREE



HIGH/LOW TEMPERATURE ALARM



USB PORT



SAFETY DOOR LOCK

PERFORMANCE

- High-precision microprocessor temperature control system with 0.1°C display accuracy
- Digital display show freezer working condition and alarm code
- 3-Channel sensor for control, display and ambient temperature

ERGONOMIC DESIGN

- ABS drawers for convenient storage
- Self-close door for easy operation
- Ultra-quiet design reduces noise level

ENVIRONMENT FRIENDLY

- Natural refrigerant compliant with EPA and SNAP non-ozone depleting mandates
- High efficiency cooling system for lower energy consumption and carbon emission
- CFC-Free polyurethane foaming insulation

ALARMS

- High temperature
- Low temperature
- Hot condenser
- Open door
- Power failure
- Sensor error
- Low battery

SAFETY

- Build-in data storage and USB port for download
- Safety door lock, preventing unauthorized access
- Access port for additional temperature probe
- RS485 port and remote alarm contacts

-40°C Deep Freezer



	Model	MDF-40U90			MDF-40U270			MDF-40U450		
Main specifications	Type	Under-counter			Upright			Upright		
	Temperature range (°C)	-20~-40			-20~-40			-20~-40		
	Cooling type	Direct cooling			Direct cooling			Direct cooling		
	Defrost	Manual			Manual			Manual		
	Climate type	N			N			N		
	Capacity (L)	90			270			450		
	Internal W*D*H (mm)	500*485*532			500*460*1235			650*570*627x2		
	External W*D*H (mm)	700*669*864			700*640*1792			810*735*1960		
	Weight (KGs)	54			90			144		
	Refrigerant	R290			R290			R290		
Number of compressor	1			1			2			
Control system	Controller	Microprocessor			Microprocessor			Microprocessor		
	Display	LED digital			LED digital			LED digital		
	Display accuracy	1			1			0.1		
Power	Power supply (V/Hz)	220/50	220/60	120/60	220/50	220/60	120/60	220/50	220/60	120/60
	Rated power (W)	131	170	172	255	210	179	346	375	305
	Rated Current (A)	1.3	1.8	4.2	2.8	2.2	4.2	4.5	3.7	5.3
Data	USB port	Yes			Yes			Yes		
	Cloud monitoring (Wi-Fi)	CryoMonitor 2000TF, optional			CryoMonitor 2000TF, optional			CryoMonitor 2000TF, optional		
	RS485 port	Yes			Yes			Yes		
Alarm functions	Visible/audible alarm	Yes			Yes			Yes		
	High/low temp	Yes			Yes			Yes		
	Sensor failure	Yes			Yes			Yes		
	Door open	Yes			Yes			Yes		
	Low battery	Yes			Yes			Yes		
	Power failure	Yes			Yes			Yes		
	Remote alarm contact	Yes			Yes			Yes		
Other feature	Door lock with key	Yes			Yes			Yes		
	Adjustable foot	2			2			N/A		
	Caster	2			2			4		
	Test access port	Φ 25mm x 1			Φ 25mm x 1			Φ 25mm x 2		
	Drawers	3			7			12		
	Door Qty	1			1			2		
Material	Exterior cabinet material	Pre-coated steel			Pre-coated Steel			Pre-coated steel		
	Interior cabinet material	Pre-coated aluminum			Pre-coated aluminum			Pre-coated aluminum		
	Door type	Solid door			Solid door			Solid door		
	Insulation material	Polyurethane			Polyurethane			Polyurethane		
Shipping	Gross weight (KGs)	67			103			172		
	Packing W*D*H (mm)	765*735*935			757*717*1865			895*820*2135		
	Volume (m ³)	0.53			1.0			1.57		