

-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
- 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)	660*645*815			746*700*1792			856*789*1960		
	Weight (KGs)	54			98			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	170	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	●			●			●		
	Cloud monitoring (Wi-Fi)	○ CryoMonitor 2000TF			○ CryoMonitor 2000TF			○ CryoMonitor 2000TF		
	RS485 port	●			●			●		
Alarm functions	Visible/audible alarm	●			●			●		
	High/low temp	●			●			●		
	Sensor failure	●			●			●		
	Door open	●			●			●		
	Low battery	●			●			●		
	Power failure	●			●			●		
	Remote alarm contact	●			●			●		
Other feature	Door lock with key	●			●			●		
	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			115			172		
	Packing W*D*H (mm)	722*697*890			835*775*1910			960*870*2175		
	Volume (m³)	0.45			1.24			1.82		