

MDF-86V58

-86 °C Ultra Low Temperature Freezer

TRUFROST®
Biomedical



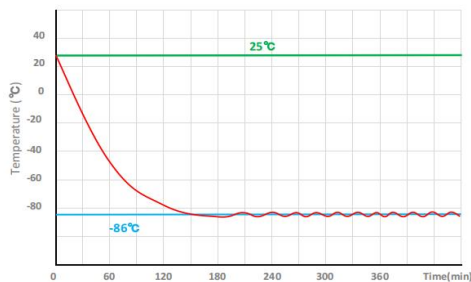
58 liters
2,400
samples



PROMED AUTO-CASCADE SYSTEM ULT SERIES

-86°C ULT freezer is specially designed and manufactured for long term storage of various biological products, including viruses, germs, erythrocytes, leucocyte and cutis. Applications can be found in blood banks, hospitals, edipemic prevention service, and research institutes, laboratories in electronic and chemical plants and biological engineering institutes.

PROMED AUTO-CASCADE SYSTEM



Pull down test at ambient temp.



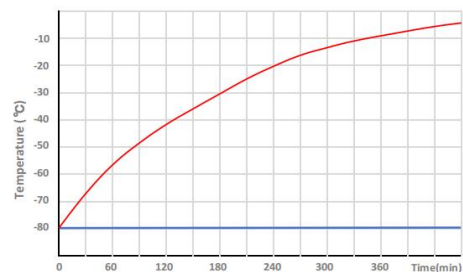
Advanced thermal insulation

Advanced insulation materials and interior design of multiple independent spaces make ULTs more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.



Super-cooling technology

Auto-cascade cooling system is designed with a powerful compressor which drives the unique mixed refrigerant for fast cabinet cooling down. The system is simple in construction, energy saving and easy maintenance.



Pull up test at ambient temp. 25°C



58 -838 liters
2,400-60,000 samples
for options

MDF-86V838E

MDF-86V728E

MDF-86V588E

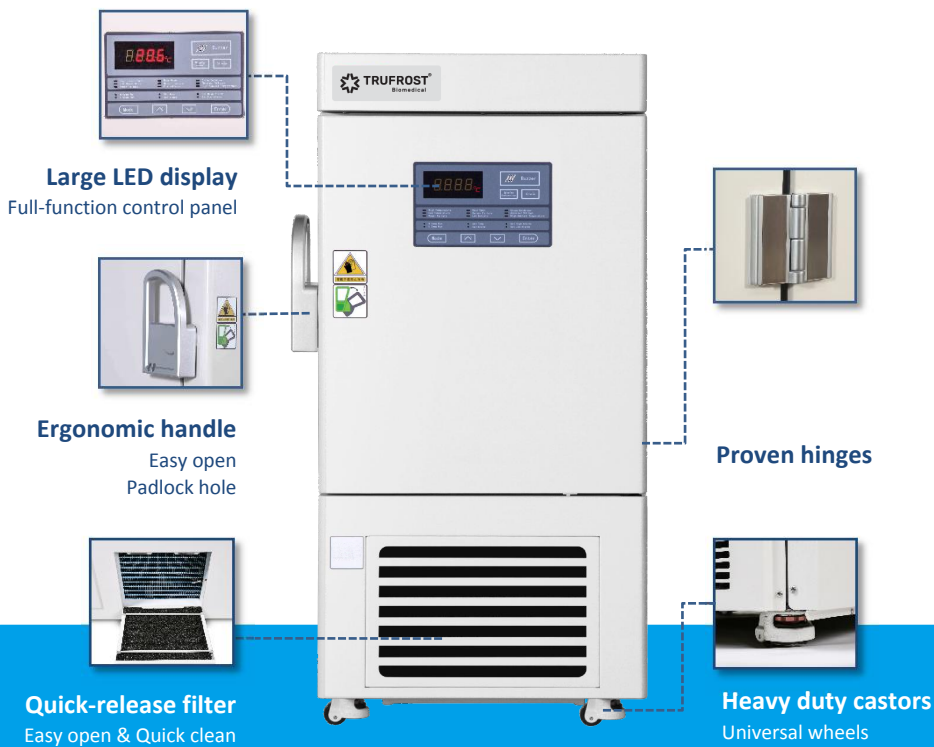
MDF-86V408E

MDF-86V340E

MDF-86V188E

MDF-86V58

EXTERNAL STRUCTURE



PM ULT freezers are made of color sprayed anti-bacterial and anti-corrosion cold-rolled steel. Various configurations and humanized designs bring great convenience to users.

Access port



Remote interface
RS232/485

USB interface
Power on/off



FEATURES



Large LED display
Full-function control panel



10 types of Alarms
Audible and visual alarms



Multi-layer sealing design
Better sealing, better insulation



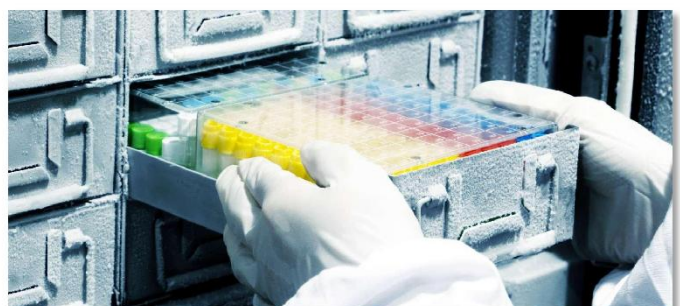
International certifications
ISO9001, ISO13485 & CE verified



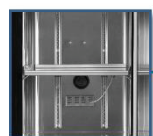
Eco-friendly
CFC-free refrigerant & insulation



Energy saving
More efficient cooling system



INTERNAL STRUCTURE



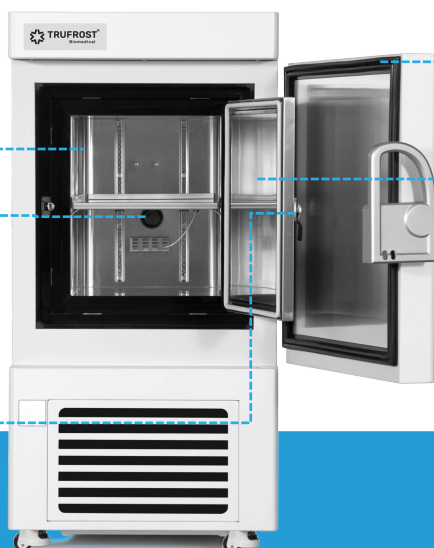
Adjustable shelf



PTC100 probe
Access port



Pressure-regulated
inner door handle



Multi-layer silicone
sealing gaskets
Low temperature resistance



Detachable inner doors

ALL
SUS 304
inside



SPECIFICATIONS

Basic		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R4001(mixed gas)	High/low temperature	Y
Defrost	Manual	Temp. controller	Microprocessor	Power failure	Y
Temperature range	-40℃~-86℃	System	Auto-cascade	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PTC 100	Sensor error	Y
Display	LED digital	Compressor brand/QTY	SECOP/1	Door ajar	Y
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	58/2.0	Filter screen check	Y
USB Interface	Yes/1	Insulation	PURF	Thermostat failure	Y
Remote alarm Access	RS232/485	Inner door material/QTY	Foamed SUS304/3	Low battery	Y
Outside material	Color sprayed steel	Racks	2(6x2) Optional	Condenser clean	Y
Inside material	SUS304	Boxes (2 Inches)	24	High ambient temperature	Y
Castor	Universal	Samples(2ml)	2,400	Door ajar	Y
				Power failure backup (alarm)	72h
Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V 50Hz/60Hz	Package size(W*D*H)(mm)	730*845*1400	Chart recorder	Optional
Power(W)	442W	Exterior size(W*D*H)(mm)	635*757*1212	Data logger	Optional
Current(A)	3.18A	Interior size(W*D*H)(mm)	330*453*410	CO2 back up system	Optional
Power consumption	6.09Wh/24h	Shipping CBM	0.9	LN2 back up system	Optional
Noise(db)	50	N.W/G.W(kg)	115/155	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger



Chart recorder



Racks & Boxes



Gloves

Trufrost Cooling Pvt. Ltd.

1214 & 1215, Tower B, Emaar Digital Greens, Golf Course Extn.
Road, Sector 61, Gurugram – 122011, Haryana, India

www.trufrostbiomedical.com