

MDF-86V838E

-86°C Ultra Low Temperature Freezer



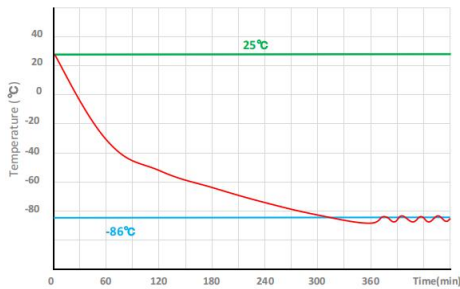
838 liters
60,000
samples



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.



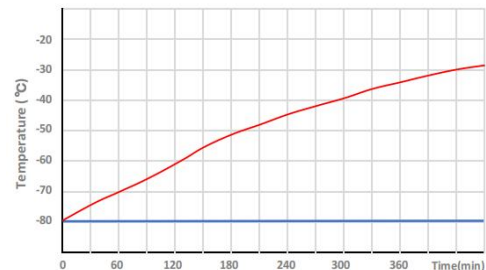
Super-cooling technology

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



Advanced thermal insulation

Mether ULTs are designed with the latest generation of VIP technology to achieve thermal conductivity of 0.005 W(m.K). That makes ULTs more efficient in Insulation and less heat loss, so as to achieve the purpose of energy saving as well as space-saving.



Pull up test at ambient temp. 25°C



MDF-86V838E

MDF-86V728E

MDF-86V588E

MDF-86V408E

MDF-86V340E

MDF-86V188E

MDF-86V58

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

EXTERNAL STRUCTURE



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



Air pressure balance



Large LED display
Full-function control panel



Ergonomic handle
Easy open
Padlock hole



Proven hinges

Access port



Remote interface
RS232/485

USB interface
Power on/off



Quick-release filter
Easy open & Quick clean



Heavy duty castors
Universal wheels

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 shelves



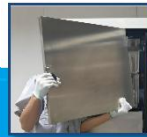
PTC sensor



Pressure-regulated inner door handle



Multi-layer silicone sealing gaskets
Low temperature resistance



SUS 304 inner door filled with PURF
Detachable design

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	Sensor error	Y
Display	LED digital	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	838/29.59	Filter screen check	Y
USB Intereface	Yes/1	Insulation	PURF+VIP	Thermostat failure	Y
Remote alarm Access	RS232/485	Inner door material/QTY	Foamed SUS304/2	Low battery	Y
Outside material	Color sprayed steel	Racks	24(5X5)	Condenser clean	Y
Inside material	SUS304	Boxes (2 Inches)	600	High ambient temperature	Y
Castor	Universal	Samples(2ml)	60000	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)	1270*1100*2185	Chart recorder	Optional
Power(W)	1700W	Exterior size(W*D*H)(mm)	1160*1172*1994.5	Data logger	Optional
Current(A)	10.75A	Interior size(W*D*H)(mm)	894*718*1310	CO2 back up system	Optional
Power consumption	19.98Wh/24h	Shipping CBM	3.05	LN2 back up system	Optional
Noise(db)	55	N.W/G.W(kg)	391/424	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger



Chart recorder



Racks & Boxes



Gloves