

MDF-86V588D

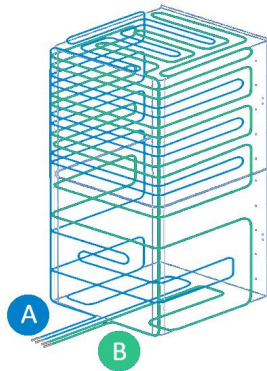
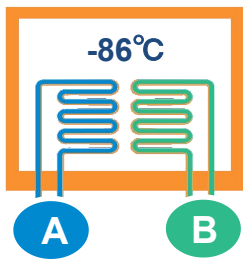
-86 °C Ultra Low Temperature Freezer



METHER DUAL 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, epidemic prevention service, and research institutes, laboratories in electronic and chemical plants and biological engineering institutes.

METHER DUAL SYSTEM

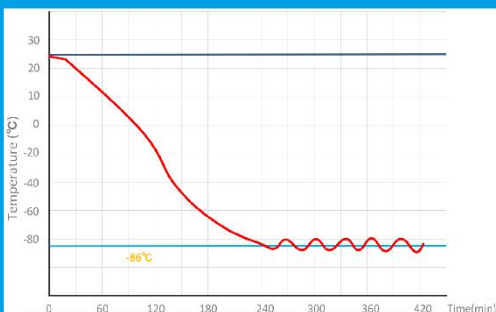
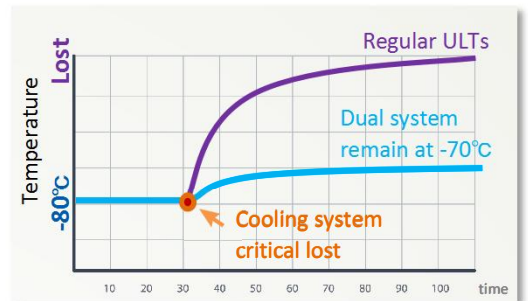


❄️ 2 Independent Cooling System

Dual cooling system is designed with 2 independent cooling systems which provides extra insurance for bio-samples. Dual cooling system maximizes optimal reliability, longevity

✓ Extreme Safety

Should one system unexpectedly fail, the other will maintain a temperature in the -70°C range ensuring that the sensitive samples not put at risk separately.



Pull down test at ambient temp. 25°C

⬇️ Ultimate cooling performance

Under normal working conditions, the 2 independent systems start in sequence at intervals. Then 2 systems work together to get a rapid pull-down performance.

CONSTRUCTION

EXTERNAL STRUCTURE



METHER 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.



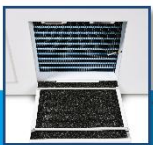
File box

Easy to place log files



Ergonomic handle

Easy open
Lock&keys
Padlock hole



Quick-release filter
Easy open & Quick clean



7" touch screen

All information display

Air pressure balance valve



USB interface

White board



Heavy duty castors

Universal wheels

Access port



Remote interface

RS232/485

Power on/off



FEATURES



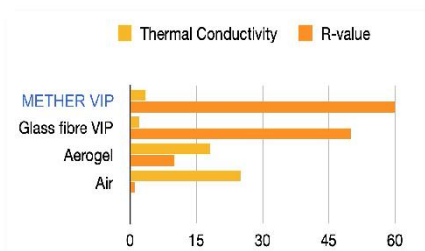
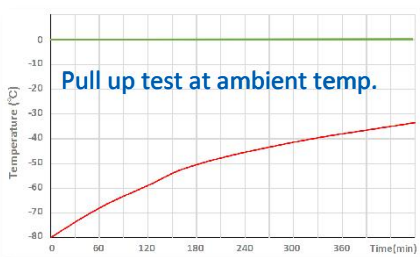
7" LCD touch screen

Easy operation and observation



Smart Operating System

Authorities, alarms, curve & events



Advanced insulation tech

Fumed Silicon V.I.P & PURF



Multi-layer sealing design

Foamed inner doors with silicon gaskets



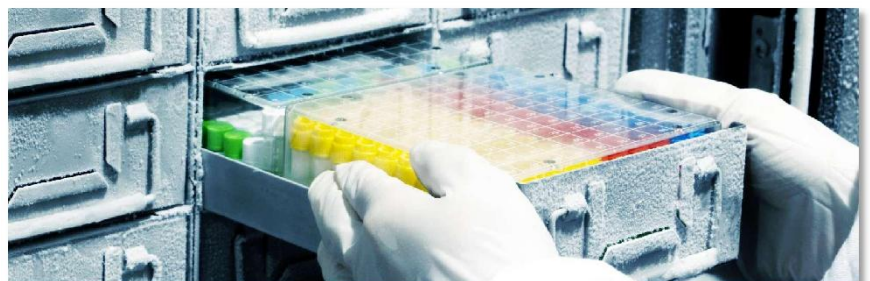
Eco-friendly

CFC-free refrigerant & insulation



Energy saving

More efficient cooling system



CONSTRUCTION



Adjustable shelves



PTC100 probe

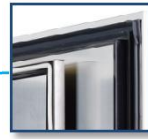


Pressure-regulated inner door handle

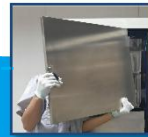


INTERNAL STRUCTURE

ALL SUS 304 inside



Multi-layer silicone sealing gaskets
Low temperature resistance



Detachable inner doors



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	Dual system	Abnormal voltage	Y
Ambient temperature	10~32℃	Sensor	PTC100	Sensor error	Y
Display	7" LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	588/20.76	Filter screen check	Y
USB Access	Y	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	16(5X5)	Condenser clean	Y
Inside material	SUS304	Boxes (2 Inches)	400	High ambient temperature	Y
Castor	Universal	Samples(2ml)	40000	Door ajar	Y
				Power failure backup (alarm)	72h
Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V 50Hz	Package size(W*D*H)(mm)	970×1138×2185	Chart recorder	Optional
Power(W)	1500W	Exterior size(W*D*H)(mm)	891×1155×1994.5	Data logger	Optional
Current(A)	10.47A	Interior size(W*D*H)(mm)	606*738*1310	CO2 back up system	Optional
Power consumption	16.23Wh/24h	Shipping CBM	2.42	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	303/332	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger



Chart recorder



Racks & Boxes



Gloves