CE · ISO9001 CERTIFIED · ISO13485 CERTIFIED · ISO14001 CERTIFIED · ISO45001 CERTIFIED

408 liters 28,800 samples

Universities · CDCs · Pharmaceutical · Research institutions and laboratories · Hospitals · Animal husbandry · Deep sea fishery · Vaccine storage · Biological engineering · Military industry

PROMED AUTO-CASCADE SYSTEM ULT SERIES

-86℃ 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
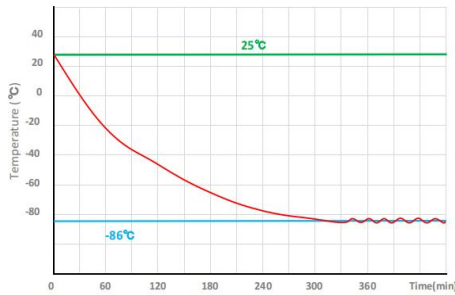
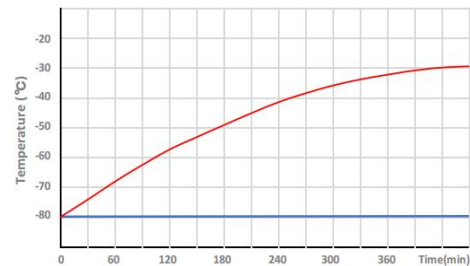Pull down test at ambient temp.

Super-cooling technology

Auto-ascade coolinng 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℃

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

Air pressure balance

Ergonomic handle
Easy open
Padlock hole

Quick-release filter
Easy open & Quick clean

Large LED display
Full-function control panel

Proven hinges

Heavy duty castors
Universal wheels

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.

Access port

Remote interface
RS232/485

**USB interface
Power on/off**

FEATURERS

Large LED display
Full-function control panel

10 types of Alarms
Audible and visual alarms

LED

Audible alarm

Alarm

Operation status

Operation buttons

High Temperature / Low Temperature / Power Failure / Door Open / Sensor Failure / Low Battery / Clean Condenser / Abnormal Voltage / High Ambient Temperature

H Comp Run / L Comp Run / Set Temp / Calibrate / Set High Alarms / Set Low Alarms

Mode / Enter
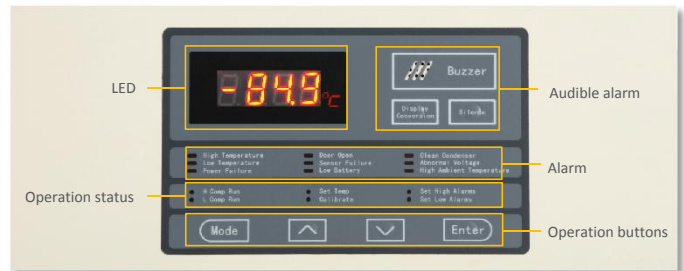
Multi-layer sealing design
Better sealing, better insulation

International certifications
ISO9001, ISO13485 & CE verified

Eco-friendly
CFC-free refrigerant & insulation

Energy saving
More efficient cooling system
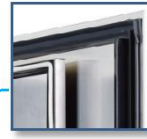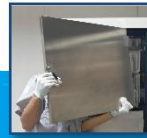
INTERNAL STRUCTURE

Adjustable shelves

PTC sensor

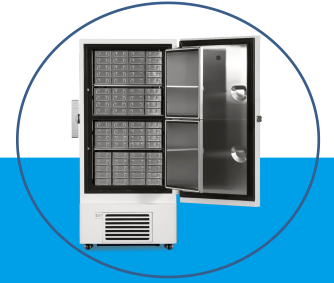**Pressure-regulated inner door handle**

ALL SUS 304 inside

Multi-layer silicone sealing gaskets
Low temperature resistance

SUS 304 inner door filled with PURF
Detachable design

SPECIFICATIONS

Basic		Refrigeration System		Alarms	
Cooling method	Direct Cooling	Refrigerant	R4001(mxed 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	PT 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)	408/14.4	Filter screen check	Y
USB Intereface	Yes/1	Insulation	PURF	Thermostat failure	Y
Remote alarm Access	RS232/485	Inner door material/QTY	Foamed SUS304/2	Low battery	Y
Outside material	Color sprayed steel	Racks	8(5X4)+8(4X4)	Condenser clean	Y
Inside material	SUS304	Boxes (2 Inches)	288	High ambient temperature	Y
Castor	Universal	Samples(2ml)	28,800	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)	954*955*2094	Chart recorder	Optional
Power(W)	890W	Exterior size(W*D*H)(mm)	872*1028*1945.5	Data logger	Optional
Current(A)	5.34A	Interior size(W*D*H)(mm)	606*575*1180	CO2 back up system	Optional
Power consumption	12.82Wh/24h	Shipping CBM	1.92	LN2 back up system	Optional
Noise(db)	50	N.W/G.W(kg)	268/293	Gloves	Optional

ACCESSORIES

LN₂/CO₂ backup system

Data logger

Chart recorder

Racks & Boxes

Gloves

Anhui Zhongke Duling Commercial Appliance Co.,Ltd
No. 1 Hexianghuroad,changfeng,hefei, Anhui, China

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