



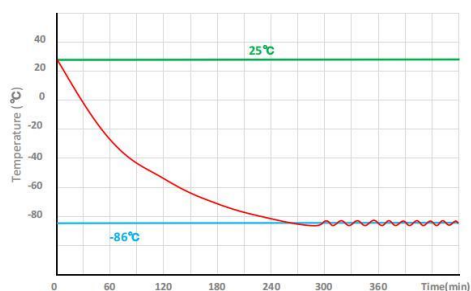
340 liters
19,200
samples



AUTO-CASCADE SYSTEM 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.

AUTO-CASCADE SYSTEM



Pull down test at ambient temp.



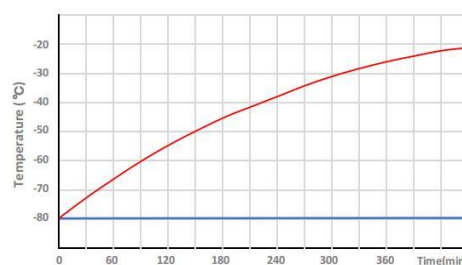
Advanced thermal insulation

The insulation 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.



Super-cooling technology

The powerful cooling system drives the unique mixed refrigeration system for fast cooling down. This system is stable, energy saving and easy maintenance.

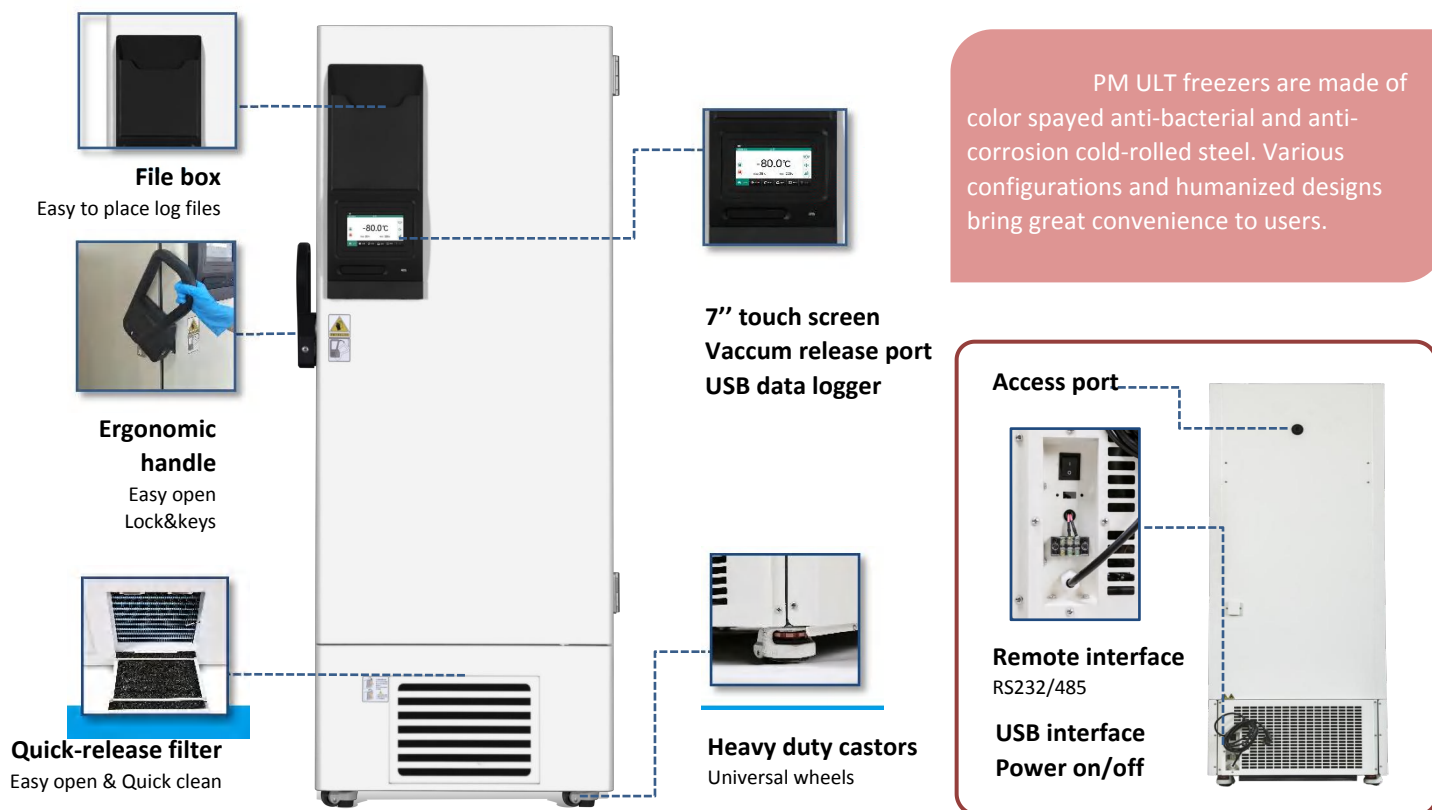


Pull up test at ambient temp. 25°C



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

EXTERNAL STRUCTURE



FEATURERS



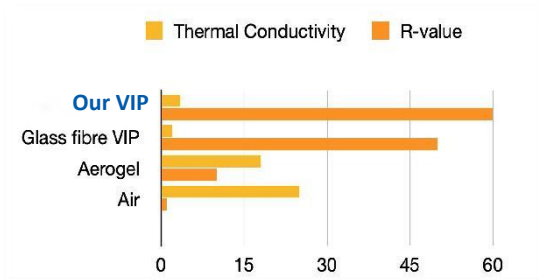
7" LCD touch screen

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



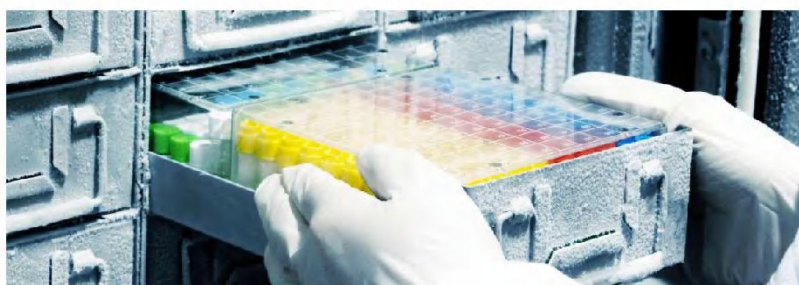
Eco-friendly

CFC-free refrigerant & insulation



Energy saving

More efficient cooling system



INTERNAL STRUCTURE



Adjustable shelves



PTC sensor



Pressure-regulated inner door handle



Multi-layer silicone sealing gaskets
Low temperature resistance



SUS304 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 100	Sensor error	Y
Display	LED digital	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	340/12	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	12(4X4)	Condenser clean	Y
Inside material	SUS304	Boxes (2 Inches)	192	High ambient temperature	Y
Castor	Universal	Samples(2ml)	19,200	Power failure backup (alarm)	72h

Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V 50Hz/60Hz	Package size(W*D*H)(mm)	935*1070*2128	Chart recorder	Optional
Power(W)	810W	Exterior size(W*D*H)(mm)	854*1006*1907	Data logger	Optional
Current(A)	5.13A	Interior size(W*D*H)(mm)	488*607*1140	CO2 back up system	Optional
Power consumption	13.09KWh/24h	Shipping CBM	2.13	LN2 back up system	Optional
Noise(db)	52	N.W/G.W(kg)	268/288	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger



Chart recorder



Racks & Boxes



Gloves