

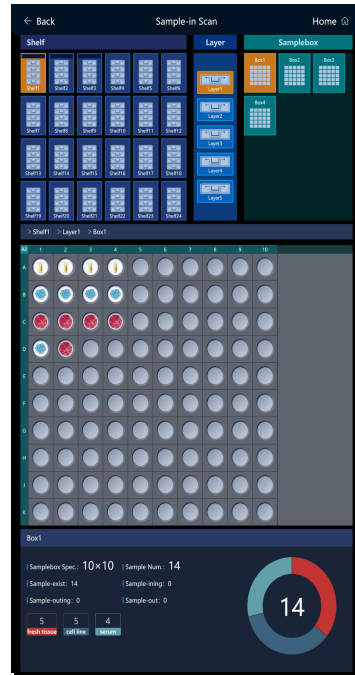
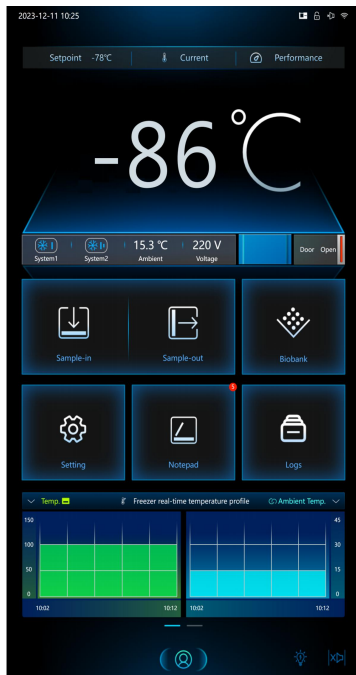
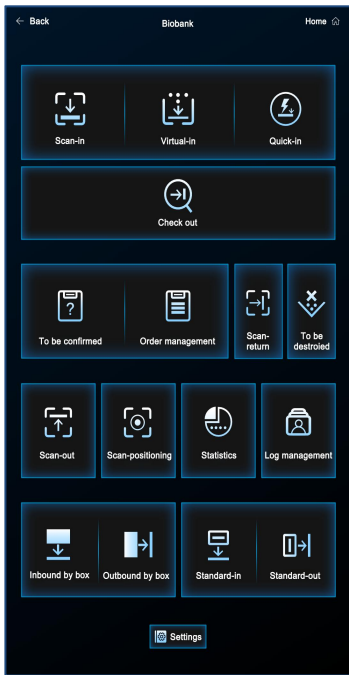
Design for Biobanking



METHER SMART ULT SERIES --Integrated Biobank Management System

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

BIOBANKING SYSTEM



Smart Management System

- Scan-in and Scan-out management
- Easier sample access
- Samples are classified

13.3" HD LCD Screen

- Better human-computer interaction
- More user-friendly UI for convenient operation

Dual cooling Technology

- 2 independent cooling system provides Max safety for samples
- Better cooling performance and more energy-saving

EXTERNAL STRUCTURE

13" touch screen
with biobanking
management system



Ergonomic handle
Easy open
Lock&keys
Padlock hole



Quick-release filter
Easy open & Quick clean



2nd Temp light
Light on all the time



Scanner
USB interface
5V USB Port



Heavy duty castors
Universal wheels

METHER 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.

Access port



Remote interface
RS232/485

Power on/off



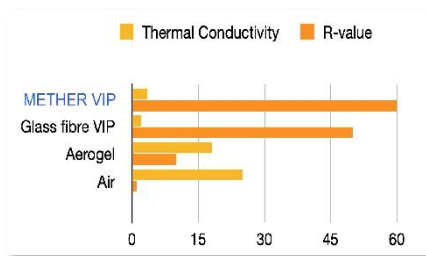
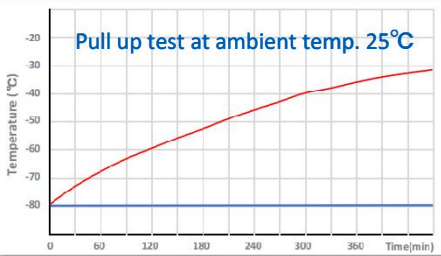
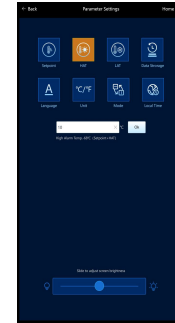
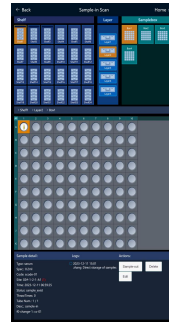
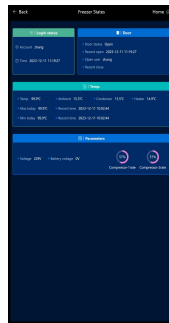
FEATURERS



13" LCD touch screen
Easy operation and observation



Bio-bank management System
User management, Samples



Advanced
Fumed Silicon V.I.P &



Multi-layer
Foamed inner doors with
silicon gaskets



Eco-friendly
CFC-free refrigerant & insulation



Energy saving
More efficient dual cooling system



INTERNAL STRUCTURE



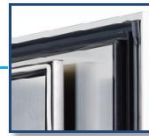
Adjustable shelves



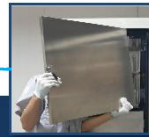
PTC sensor



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°C~-86°C	System	Dual system	Abnormal voltage	Y
Ambient temperature	10~32°C	Sensor	PTC	Sensor error	Y
Display	13" LCD touch screen	Compressor brand/QTY	SECOP/2	Door ajar	Y
Access port QTY/Dia.	2/25mm	Capacity(L/cu.ft)	600/21.18	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)	40,000	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)	970*1190*2200	Chart recorder	Optional
Power(W)	1500W	Exterior size(W*D*H)(mm)	891*1130*1994.5	Data logger	Optional
Current(A)	10.37A	Interior size(W*D*H)(mm)	608*740*1310	CO2 back up system	Optional
Power consumption	16.23Wh/24h	Shipping CBM	2.45	LN2 back up system	Optional
Noise(db)	53	N.W/G.W(kg)	315/380	Gloves	Optional

ACCESSORIES



LN₂/CO₂ backup system



Data logger



Chart recorder



Racks & Boxes



Gloves