



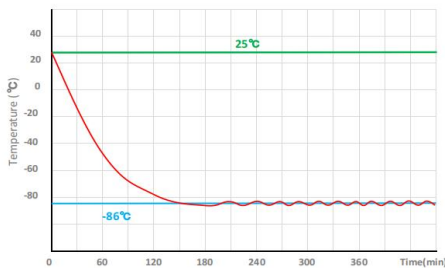
485 liters  
30,000 samples



### AUTO-CASCADE SYSTEM CHEST ULT SERIES

-86°C Chest 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.

### AUTO-CASCADE SYSTEM



Pull down test at ambient temp.



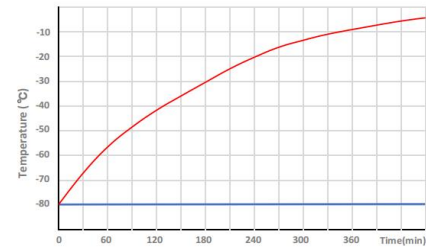
### Super-cooling technology

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



### Advanced thermal insulation

Advanced insulation materials and interior design of multiple independent spaces make ULTs more efficient in Insulation and less heat loss, so as to achieve the purpose of better thermal insulation performance and energy saving.



Pull down test at ambient temp. 25°C



### Excellent temp uniformity

The tube evaporator and thick insulation improves the refrigeration efficiency ensures more uniform temperature inside



### User friendly design

The design of universal casters, self-balancing hinge, and access port provides a worry-free user experience. Lockable buckles provides secure storage space.

# STRUCTURE

**SUS 304 stainless steel lid**  
Thick PU foamed

**Ergonomic handle**  
Easy open

**Buckle**  
with padlock port

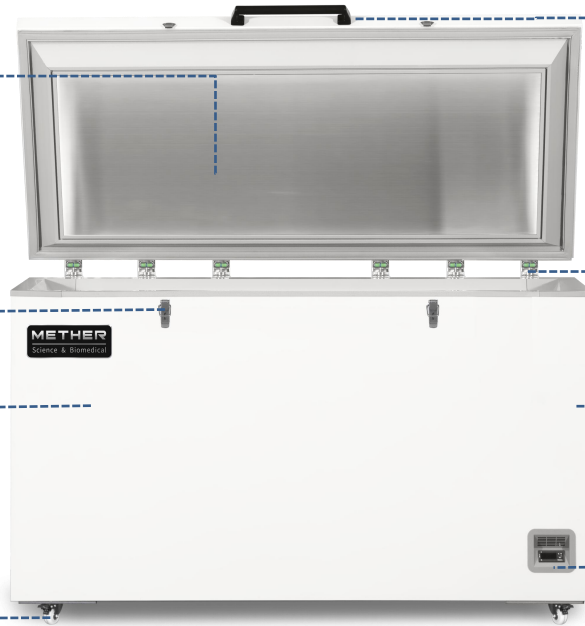
**Proven Hings**  
Hoverable top lid

**Sturdy steel body**  
with thick PU foaming

**Access port**  
for extra monitoring

**Heavy duty castors**  
With brake

**Temp. controller**  
Microcomputer



# FEATURERS



**Dixell Temp. Controller**  
Pricise and stable control



**4 types of alarms**  
Audible and visual alarms



**Multi-layer sealing design**  
Better sealing, better insulation



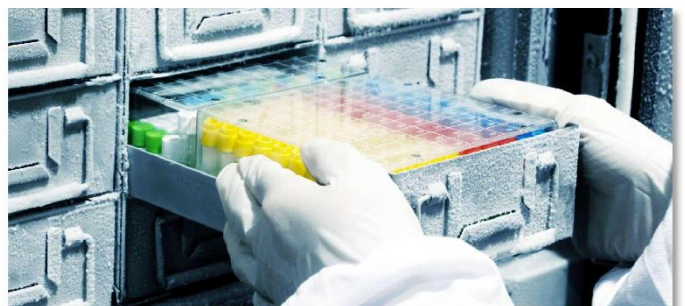
**International certifications**  
ISO9001, ISO13485 & CE verified



**Eco-friendly**  
CFC-free refrigerant & insulation

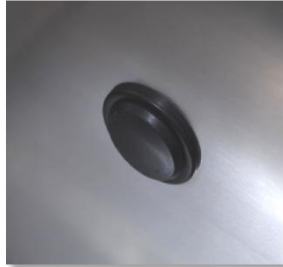


**Energy saving**  
More efficient cooling system



# PRODUCT DETAILS

ALL  
SUS 304  
inside



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



Access port

Optional SS racks

Double-layer external condenser

## 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	/
Ambient temperature	10~32℃	Sensor	PTC 100	Sensor error	Y
Display	LED digital	Compressor brand/QTY	SECOP/1	Door ajar	/
Access port QTY/Dia.	1/25mm	Capacity(L/cu.ft)	485/17.12	Filter screen check	/
USB Intereface	NO	Insulation	PURF	Thermostat failure	Y
Remote alarm Access	NO	Inner door material/QTY	/	Low battery	/
Outside material	Color sprayed steel	Racks	24(11x1)+6(6X1)	Condenser clean	/
Inside material	SUS304	Boxes (2 Inches)	300	High ambient temperature	/
Castor	Universal	Samples(2ml)	30,000	Power failure backup (alarm)	/

Electrical Data		Dimensions		Accessories	
Voltage frequency(V/Hz)	220V 50Hz/60Hz	Package size(W*D*H)(mm)	1765*900*1060	Chart recorder	Optional
Power(W)	670W	Exterior size(W*D*H)(mm)	1695*840*962	Data logger	Optional
Current(A)	3.16A	Interior size(W*D*H)(mm)	1455.5*525.2*674	CO2 back up system	Optional
Power consumption	13.5KWh/24h	Shipping CBM	1.75	LN2 back up system	Optional
Noise(db)	50	N.W/G.W(kg)	130/150	Gloves	Optional

## ACCESSORIES



LN<sub>2</sub>/CO<sub>2</sub> backup system



Data logger



Chart recorder



Racks & Boxes



Gloves