


# VS-86L458 BIOMEDICAL FREEZER


# Vacc-Safe

Vacc-Safe freezers can be used in hospitals, epidemic prevention stations, universities, scientific research institutes, and electronic chemical industry enterprise labs.





**USB Data**  
Built in USB Data Logger.  
Data can be traced and exported.



**Security**  
Audible and Visual Alarms.  
Safety Lock.



**Single LED Display**  
High accuracy single LED displays.



**Built-In Backup Battery**  
Built in battery to display temperature when power is off.

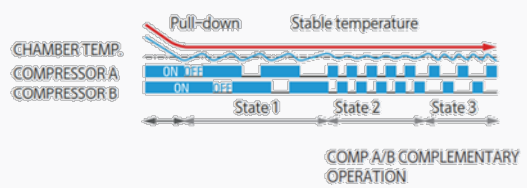


**Lockable**  
Additional security for pharmaceuticals and samples.

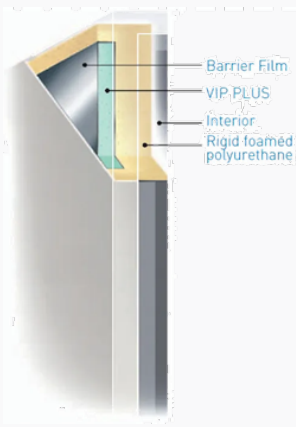


## Active ECO Technology

Applied to all Vacc-Safe ULT freezers, Active ECO Technology ensures all units default to run in ECO mode. The compressor performs based on the temperature and load of the unit. This control system tunes the speed of the compressors to optimize operation and therefore reduces energy consumption.



## VIP Plus Vacuum Insulation



Provides up to 30% more storage capacity than a conventionally insulated freezer.

## D – Shape Evaporator

Our patented D-shaped evaporating tube allows for a bigger heating exchange area. Allowing the heating exchange rate to increase by up to 15%.



## Improved Cooling Performance.

Our patented Smart-Inverter technology significantly reduces the amount of energy consumed whilst maintaining superior temperature stability. Enjoy improved cooling performance with variations less than 2°C, a 15% reduction in energy consumption and reduced noise level.

Item	Model No.	VS-86L458
<b>Product structure data</b>	Temperature Range	-40 ~ -86°C
	Fridge Storage Volume(L)	458L
	Product Dimensions(mm)(wxdxh)	885*855*1990
	Interior Dimensions(mm)(wxdxh)	595*580*1310
	Packing Dimensions(mm)(wxdxh)	960*985*2180
	Net/Gross Weight	237/289
<b>Technical data</b>	Compressor type	Fixed frequency
	Cooling Type	Direct cooling
	Defrost type	Manual
	Climate Class	N
	Rated Voltage/Frequency(V/Hz)	110-240V/50,60Hz
	Rated Power(W)	1190
	Rated Current(A)	1.5
	Decibel rating	65
	Energy Consumption(kwh/24h)	13
	Refrigerant type	Mixed refrigerant
<b>Control</b>	Temp HI/LOW reset	N
	Sensor Qty	2
	Controller	Microprocessor
	Display	LED display
<b>Product Performance</b>	Temperature Accuracy	0.1 °C
	Temperature uniformity/°C	±2°C
	Sound Alarm	Y
<b>Alarms</b>	Light Alarm	Y
	Power Failure Alarm	Y
	Sensor Failure Alarm	Y
	Environment Temperature Alarm	Y
	Door ajar Alarm	Y
	High Temperature Alarm	Y
	Low Temperature Alarm	Y
	Remote Alarm	Optional
<b>Accessories</b>	USB	N
	Heated door	Y
	Lock	Y
	Backup Battery	Y
	Backup Battery Endurance	N/A
	Shelves/Drawers Qty	3 Shelves
	Cable Port	Y
	Castors/type	1 castor (universal wheel)

