



**bitstrong** Biomedical

**-86°C ULT Freezer**

**— DW-86W100J**

## Product Application

Suitable for specialized medical institutes, scientific research institutes and biological production enterprises to store research reagents, restriction enzymes, DNA modifying enzymes, genes, organs and tissues as key examples.

## Product Advantages



### Temperature Control

Microprocessor control, digital temperature display. The adjustable precision is 1 ° C. And the temperature in the unit is adjustable from -40°C to 86°C.



### Security System

- Multiple fault alarms: High/Low temperature, sensor error, door ajar, condenser dirty, high ambient temperature & power failure alarms.
- Two types of alarms: Audible buzzer alarm & flashing light alarm.
- Multiple protection: Password protection & start-up delay protection.



### Refrigeration System

- HC refrigeration system, energy consumption is reduced by more than 30%, which reduces the user's sample storage costs.
- Optimized cascade refrigeration technology, coupled with advanced compressors, enhancing refrigeration capacity.
- High density insulation layer, superior insulation effect.
- Unique heat insulation system design, effectively eliminates frosting.



## Specifications

DW-86W100J

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Technical Data	Cabinet Type		Chest	Loading Quantities	Container load (20"/40"/40"H)	12/24/48	
	Climate Class		N		Alarms	High/Low Temperature	Y
	Cooling Type		Direct cooling			Hot Condenser	Y
	Defrost Mode		Manual			Power Failure	Y
	Refrigerant		HC			High/Low Voltage	N/A
	Sound level (dB(A))		49			Sensor Error	Y
Performance	Cooling Performance (°C)		-86	Accessories		Low Battery	Y
	Temperature Range (°C)		-40 ~ -86		High Ambient Temperature	Y	
Control	Controller		Microprocessor		Certification	Door Ajar	Y
	Display		LED			Caster	Y
Electrical Data	Power Supply (V/Hz)		220 ~ 240/50			Foot	Y
	Power (W)		550			Porthole	Y/1
	Electrical Current (A)		4	Shelves/Inner doors		-/1	
Construction	Capacity (L/Cu.Ft)		100/3.5	USB Interface		Y	
	Net/Gross Weight (approx)	kg	138/160	Remote Alarm	Y		
		lbs	304.2/352.7	Temperature Recorder	Optional		
	Interior Dimension (W*D*H)	mm	470*450*480	Rs232/485 Interface	Optional		
		in	18.5*17.7*18.9	CO2 Backup System	Optional		
	Exterior Dimension (W*D*H)	mm	769*825*1120	LN2 Backup System	Optional		
		in	30.3*32.5*44.1				
	Packing Dimension (W*D*H)	mm	845*855*1250				
in		33.3*33.7*49.2					