Haier Biomedical
Intelligent Protection of Life Science

Cryo Freezer

-150°C Cryo Freezer

-150°C Cryo freezer, developed by Haier Biomedical, provides a safe, convenient and economical alternative long term storage method for customers. By providing a storage environment about 20°C colder than the water recrystallization temperature, the freezer is suitable for storage of a varieties of biological samples such as viruses, erythrocytes, leukocytes, cutis, skeleton, sperms, oceanic products, special test materials and even electronic products for testing. It can be installed in institutions including blood banks, hospitals, epidemic prevention services, research institutes, and research laboratories.

Temperature Control

• Microprocessor control: Large LCD display features a clear cabinet temperature, ambient temperature, in/out voltage at an easy viewing angle and allows an adjustable range of -130°C to-150°C

Refrigeration System

• Multiple cascade refrigeration system
• Hermetically sealed system
• Environmentally safe refrigerants
• Permanently lubricated fan systems

Other Features

• Large LCD display for easy viewing
• Ambient range of 10 °C to 32°C
• LN₂ back up system compatible(optional)
• Remote monitoring
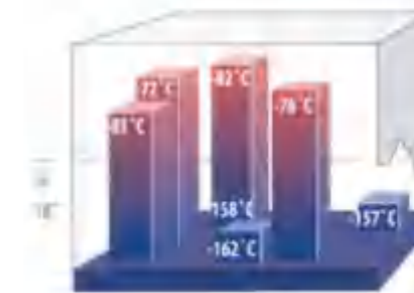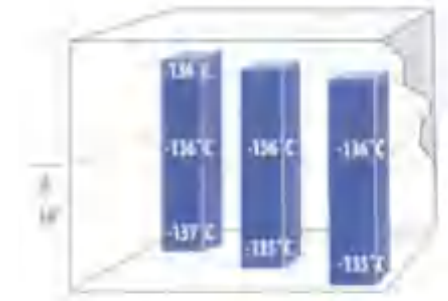• Smart condenser fans for energy saving

Safety Control System

• Alarm system: User programmable high and low temperature alarm set points, power failure, sensor error, extreme voltage, hot condenser, high ambient, door ajar and low battery
• Alarm types: audible buzzer and visible flashing
• Protection functions: start-up delay, Multilevel authority management, overheating protection
• Properly grounded

Specifications

LN₂ Freezer System(-196 °C) Cryo Freezer(-140°C)

	Model		DW-150W209
Technical Data	Cabinet Type		Chest
	Climate Class		N
	Cooling Type		Direct Cooling
	Defrost Mode		Manual
	Refrigerant		HC
	Sound Level (dB(A))		55
Performance	Cooling Performance (°C)		-150
	Temperature Range (°C)		-130~-150
Control	Controller		Microprocessor
	Display		LCD Touchscreen
Electrical Data	Power Supply (V/HZ)		220～240/50
	Power (W)		1400
	Electrical Current (A)		10
	Power Consumption (kWh/24h)		25
Construction	Capacity (L/Cu.Ft)		209/7.4
	Net/Gross Weight (approx)	kg	260/295
		lbs	573.2/650.4
	Interior Dimension (W*D*H)	mm	667*462*677
		in	26.3*18.2*26.7
	Exterior Dimension (W*D*H)	mm	1670*850*1010
		in	65.7*33.5*39.8
	Packing Dimension (W*D*H)	mm	1810*940*1190
		in	71.3*37.0*46.9
Loading Quantities	Container load (20'/40'/40'H)		6/13/13
Alarms	High/Low Temperature		Y
	Hot Condenser		Y
	Power Failure		Y
	High/Low Voltage		Y
	Sensor Error		Y
	Low Battery		Y
	High Ambient Temperature		Y
	Door Ajar		Y
Accessories	Caster		Y
	Foot		Y
	Porthole		Y/1
	Inner Doors		2
	USB Interface		Y
	Remote Alarm (Dry contacts)		Y
	5V Power Supply Port		Y
	Temperature Recorder		Optional
	RS485 Port		Y
	LN₂ Backup System		Optional
Certification	CE		Y

Product appearance and specifications are subject to change without notice