

# -150°C Cryo Freezer



-150 °C Cryo freezer, developed by Haier Medical and Laboratory Products, provides a safer, more convenient and economical alternative long term storage method than LN2 refrigeration systems. By providing a storage environment that is about 20 °C colder than the water recrystallization temperature, the freezer is suitable for storage of a variety of biological samples such as virus, erythrocytes, leukocytes, cutis, skeleton, sperm, 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 LED display features a clear cabinet temperature display at an easy viewing angle and allows an adjustable range of -126 °C to -150 °C.

### Refrigeration System

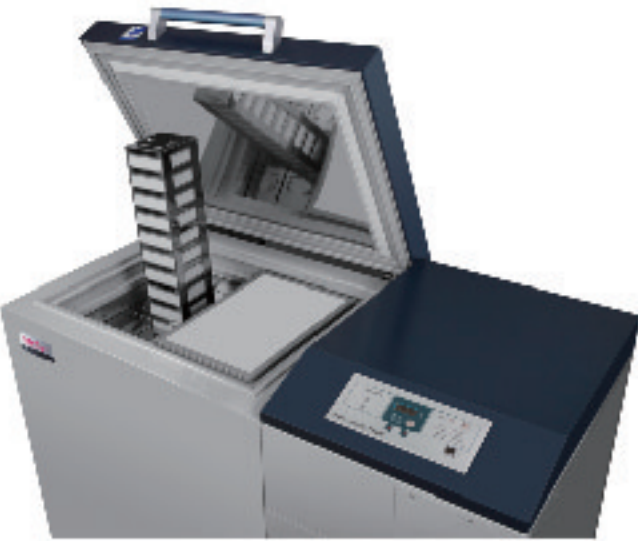
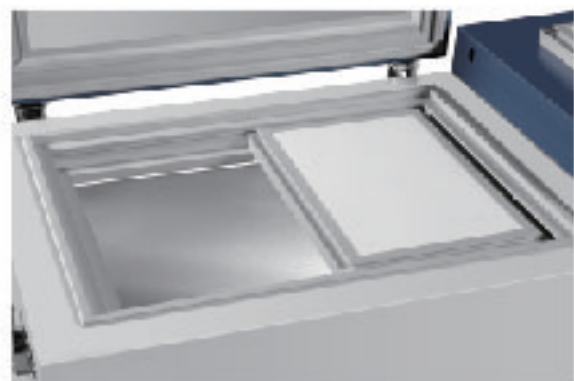
- Optimized single stage refrigeration system
- Hermetically sealed system
- Environmentally safe refrigerants
- Permanently lubricated fan systems.

### Other Features

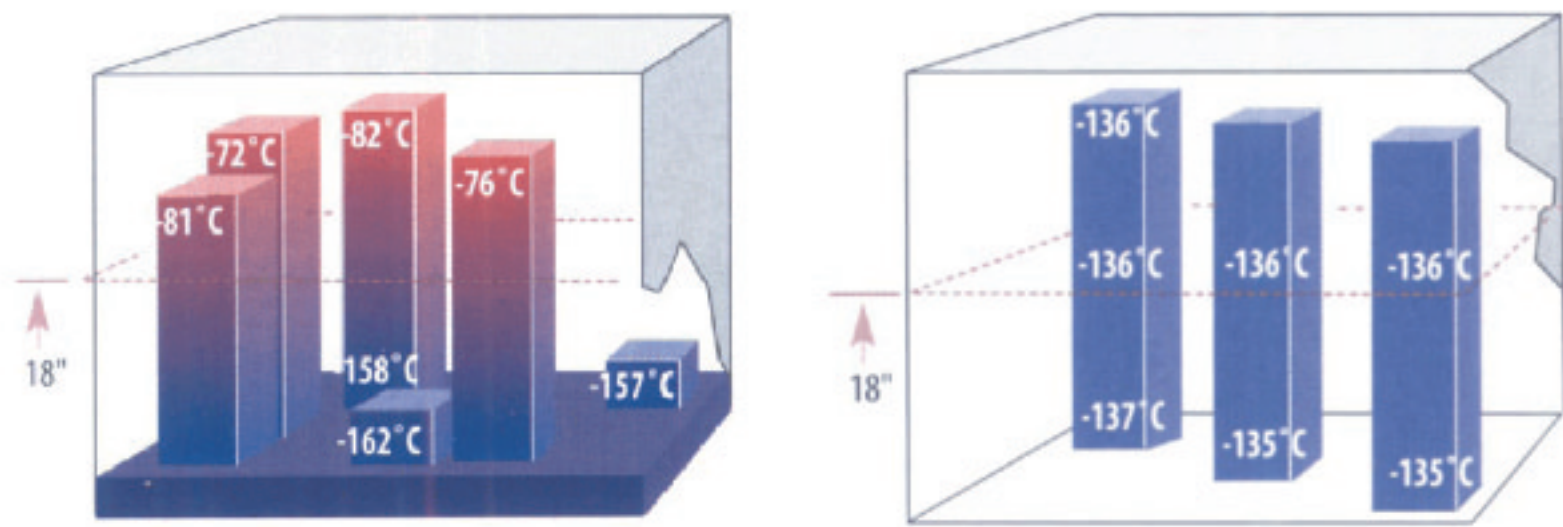
- Large LED display for easy viewing
- Ambient range of 10 °C to 30 °C
- LN2 back up system compatible
- Remote monitoring
- Smart condenser fans for energy savings

### Safety Control System

- Alarm system: User programmable high and low temperature alarm set points, power failure, sensor errors, extreme voltage, hot condenser, and extremely high ambient
- Alarm types: audible buzzer and visible flashing
- Protection functions: Settable pass codes for control panel, start-up delay, voltage and compensation system
- Properly grounded



Liquid Nitrogen Preservation System in Cryo Freezer



LN<sub>2</sub> Backup System (-196°C) Cryo Freezer (-140°C)

### Specification

	Model	DW-150W200
Technical Data	Cabinet Type	Chest
	Climate Class	N
	Cooling Type	Forced air cooling
	Defrost Mode	Manual
	Refrigerant	CFC-Free
Performance	Cooling performance(°C)	-150
	Temperature Range(°C)	-126~-150
Control	Controller	Microprocessor
	Display	LED
Electrical Data	Power Supply(V/Hz)	380/50
	Power(W)	2800
	Electrical Current(A)	11
	Capacity(L/Cu.Ft)	200/7.1
Dimensions	Net/Gross Weight(approx)	315/385(kg) 694.5/848.8(lbs)
	Interior Dimensions(W*D*H)	667*462*650(mm) 26.3*18.2*25.6(in)
	Exterior Dimensions(W*D*H)	1570*850*1060(mm) 61.8*33.5*41.7(in)
	Packing Dimensions(W*D*H)	1710*985*1195(mm) 67.3*38.8*47.0(in)
	Container load (20'/40'/40'H)	6/13/13
Functions	High/Low Temperature	Y
	Remote Alarm	Y
	Hot Condenser	Y
	Power Failure	Y
	High/Low Voltage	Y
	Sensor Error	Y
	Low Battery	Y
	High Ambient Temp	Y
Accessories	Caster	Y
	Foot	Y
	Test Hole	Y
	Shelves/Inner doors	-/2
Optional Parts	Rack Model	2 inch stainless steel rack 11*1
	Dimensions(L*D*H)	142*138*633(mm)
	Rack Quantity	12
	Box Quantity	132
	Sample Quantity	10692(calculated based on 9*9 box)