Haier Biomedical
Intelligent Protection of Life Science

Ultra Low Temperature RFID Freezer

DW-86L728BPSTR

- **Cryo RFID identification technology**
- **Dual refrigeration system**
- **Intelligent sample management system**

The Haier Biomedical ULT RFID freezer offers enhanced protection for high-value samples like genetic material, biosamples, and tissue. With quick freezing, secure access, and comprehensive inventory management features, it ensures product integrity and visibility while eliminating manual processes. Ideal for research facilities and laboratories seeking efficient sample storage solutions.

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Product Features

Enhanced Efficiency

Effortlessly locate and inventory sample tubes without the need to open the door. The system automatically records the exact position of each sample in real-time, streamlining manual processes.

Rapid Inventory Management

Save time and effort with a single click inventory feature that completes within 5 seconds. Say goodbye to errors and delays.

Precision Identification

Achieve accurate and swift recognition with a 3-second automatic identification process for sample information and location. This system excels at high-density batch reading tasks.

Enhanced Safety Measures

The dual refrigeration system features double independent hydrocarbon refrigeration units, both capable of maintaining -80°C. This design not only ensures the safety of stored samples but also enhances reliability.

Innovative Design Features

Intuitive Monitoring Software

Benefit from a tailored sample management software that allows real-time tracking and monitoring of operational status, ensuring seamless workflow oversight.

Comprehensive Security Integration

Utilize the four-code integration tube system, combining RFID tags, bottom QR codes, tube barcodes, and tube digital codes for heightened security and reliability in sample management.

Streamlined User Interface

Navigate effortlessly through operations with a 15.6-inch LCD touch screen that provides an intuitive display of vital information. Accessing and managing tasks is made simple and efficient.

Free Sample Placement

Samples can be placed freely without the need to be stored in specific locations, and the relevant sample information will be updated automatically.

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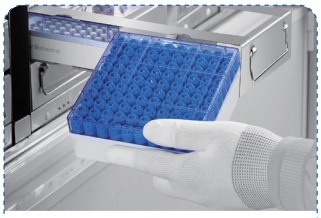
Product Parts

15.6-inch LCD touch screen coupled with BIMS system, which is convenient for sample inventory

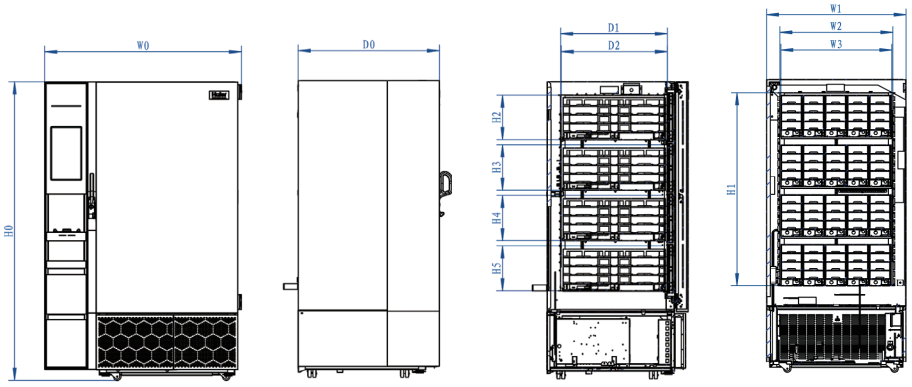
Indicator lights display and monitor operating status

The reader is placed on the left side of the door for easy sample identification and inventory

Storage area, which is convenient for users to store gloves and other consumables



Sliding-drawer freezer rack for convenient access



Remark

W0---Overall width of the machine
W1---Outer width of the cabinet
W2---Inner liner width
W3---Width of inner shelf
(Width of shelve for effective placement of freezing rack)
D0---Overall depth of the machine
D1---Inner liner depth
D2---Inner depth of shelf
H0---Overall height of the machine
H1---Inner cabinet height
H2---1st floor height
H3---2nd floor height
H4---3rd floor height
H5---4th floor height

W0	W1	W2	W3	H0	H1	H2	H3	H4	H5	D0	D1	D2
1314	947	766	752	1990	1310	298	303	303	301	947	716	712

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Specifications

Model			DW-86L728BPSTR
Technical Data	Cabinet Type		Upright
	Climate Class		N
	Cooling Type		Direct Cooling
	Defrost Mode		Manual
	Refrigerant		HC
	Sound Level (dB(A))		42
Performance	Cooling Performance (°C)		-86
	Temperature Range (°C)		-40~-86
	Inventory Speed (Sec)		5
	Query Speed (Sec)		2
	Recognition Speed (Sec)		3
Control	Controller		Microprocessor
	Display		Touch Screen LCD
Electrical Data	Power Supply (V/Hz)		220/50
	Max Power (W)		1700
Dimensions	Capacity (L/Cu.Ft)		728/25.7
	Net/Gross Weight	kg	555/640
		lbs	1223.57/1410.96
	Interior Dimension (W*D*H)	mm	766*716*1310
		in	30.2*28.2*51.6
	Exterior Dimension (W*D*H)	mm	1300*1045*1980
		in	51.18*41.14*77.95
	Packing Dimension (W*D*H)	mm	1480*1175*2215
		in	58.27*46.26*87.20
	Cabinet Width (Without Handle and Hinge)	mm	1300
Alarms	High/Low Temperature Alarm		Y
	Hot Condenser Alarm		Y
	Power Failure Alarm		Y
	High/Low Voltage Alarm		Y
	Sensor Error Alarm		Y
	Low Battery Alarm		Y
	High Ambient Temperature Alarm		Y
	Door Ajar Alarm		Y
	Start-Up Delay		Y
Accessories	Caster		Y
	Leveling Feet		Y
	Porthole		Y/2
	Inner Doors		4
	Shelves		3- Stainless Steel Shelves
	Shelf Dimensions (W*D)(mm)		752*650
	Max. Load per Shelf (kg)		90
	Freezer Racks Quantity (2" boxes)		20
	Capacity (2" boxes)		400
	USB Interface		Y
	Remote Alarm		Y
	5V Power Supply Port		Y
	Temperature Chart Recorder		Optional
	RS232/485 Port		NA/Standard
	CO_2 Backup System		Optional
	LN_2 Backup System		Optional
Others	Certification		CE

*Haier Biomedical reserves the right to change products and specifications without prior notice.