

IOT Creativity starts a new era for smart management of reagent



Smart IOT system makes storage management simple, precise, and effective

RFID based smart IOT management system permits automatic management of reagents



Smart RFID label



Smart RFID shelf



Industrial-grade IOT network module group

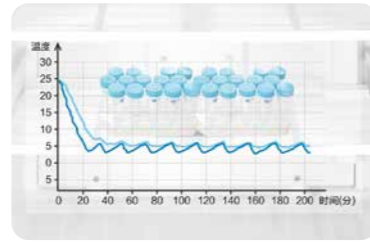


Authorized management for material flow at controllable risk

NFC authorized management system is traceable.



Statistical analysis of test data, precise verification and scientific instruction



Precise temperature control Ultimate safety of test reagents

2°C - 8°C storage temperature, real time monitoring of cabinet temperature



Smart alert, maintenance, dispatch of products

Smart alarm and alerts for abnormal temperature, low storage, deadline for clinical trials

Product Specification

Model	Voltage (V/Hz)	Power (W)	External Dimension (W * D * H mm)	Internal Dimension (W * D * H mm)	Effective Volume (L)	Net Weight / Gross Weight (Kg)	Shelf
HYC-390R	220	400	720*710*1965	530*555*1380	390	116/139	5

Haier Medical and Laboratory Products Co.,Ltd

Address: Brand Building, Haier Industrial Park, No.1
Haier Road, Qingdao, 266101, P.R. China
Tel: +86-0532-88936011 / 5955
Website: www.haiermedical.com



Haier

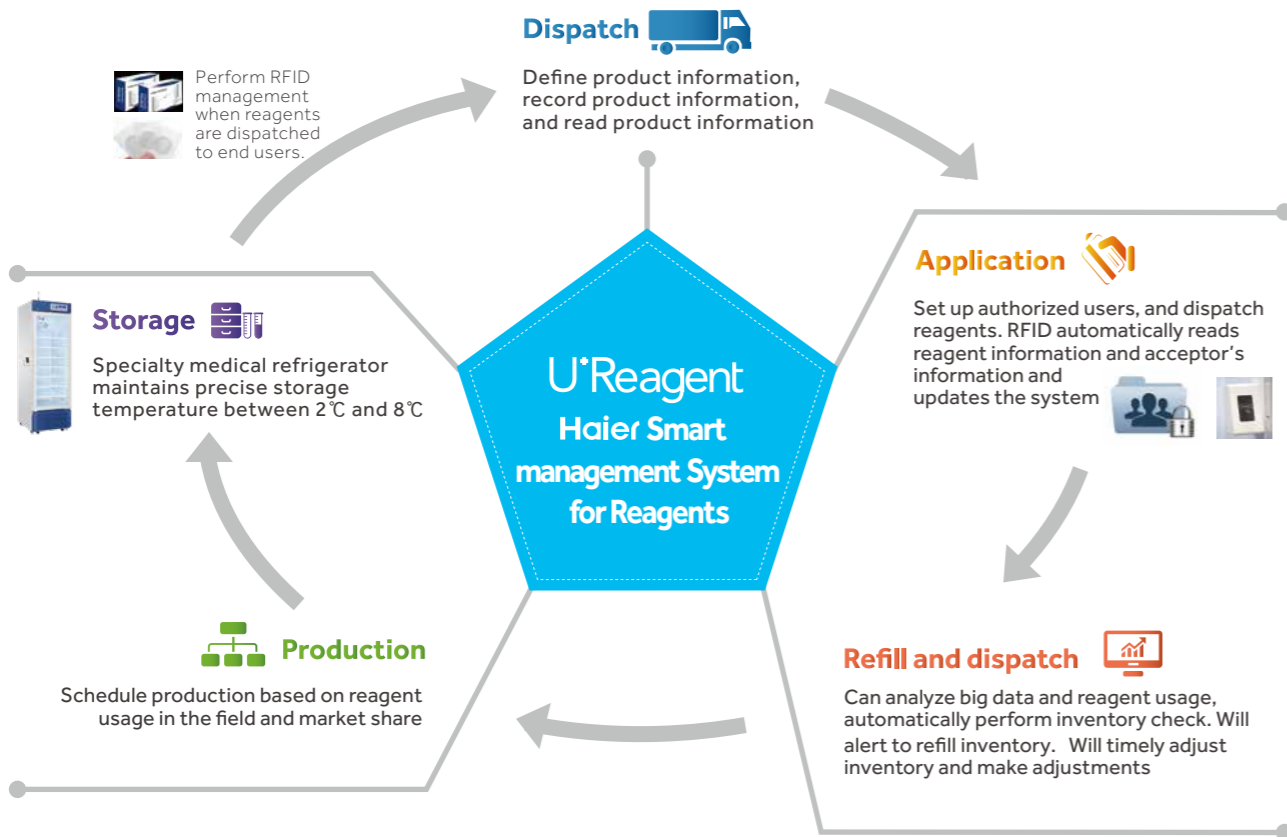
Intelligent Management Plan by Haier U'Reagent

Cloud-shared data Rapid and smart inventory system
Instant generation of summary data report, clear transparency of transaction

RFID based intellectual technology tracks real time information on stored products. Effective management of medicines and reagents allows information of storage inventory instantly available at a stroke of the keyboard. Cloud based big data supports shared platform, permitting manufacturers, hospitals, quality control exercise real time monitoring. Technical data thus becomes the origin of productivity.

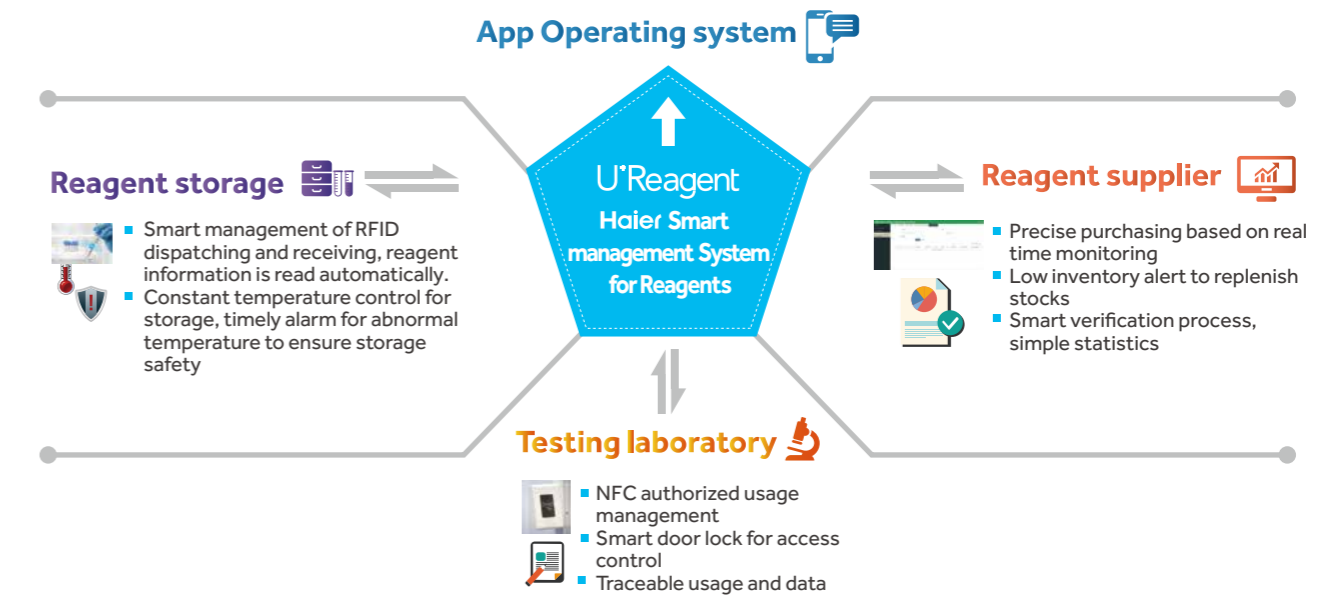


Smart management from production to application
(It is suitable for manufacturing industry)



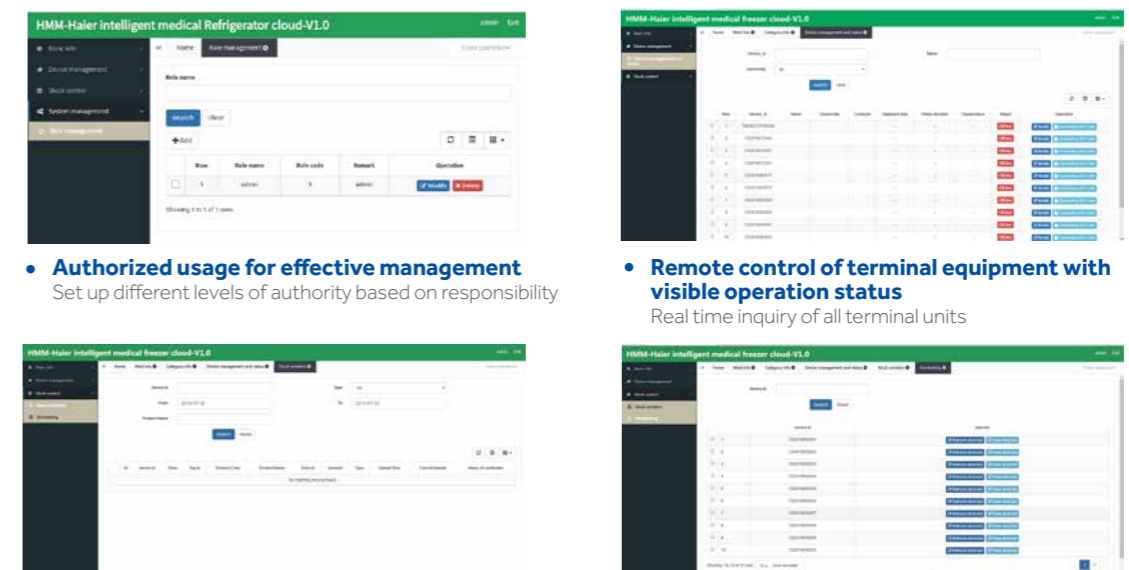
- Manage market data to support scientific production scheduling**
Statistical analysis of market data, reagent usage data and feedbacks support understanding of market trend, share, and provide guidance for production and sales.
- Effective management of sales channels**
Sales channels can provide timely feedback information to improve shipping, refilling, dispatching and inventory control, to provide continuity on supply and to optimize inventory level.
- Reagent handling process is traceable and controllable**
Shipping and receiving processes of reagents are automatically monitored and controlled for authorized users. Every box of reagents is traceable.

From manufacturer to patients, the entire process is automatically and smartly controlled. (It is suitable for hospitals and third party testing organizations)



- Manpower savings**
Smart process control improves accuracy and efficiency, saving manpower for reagent management.
- Optimized procurement process reduces waste**
Control reagent usage timely. Procure supply smartly to reduce shortage and reduce inventory.
- Rigorous reagent management to reduce risk**
Constant temperature for reagent storage
Automatically trigger temperature alarms when temperature reaches critical temperature, ensuring safety of reagent usage.

Big data platform for information clarity



- Authorized usage for effective management**
Set up different levels of authority based on responsibility
- Remote control of terminal equipment with visible operation status**
Real time inquiry of all terminal units
- Storage status is updated in real time.**
Clear visibility of reagent dispatch and stock
- Rapid generation of spreadsheets for inventory**
Report of precise sales/usage data

Smart Reagent Refrigerator

— HYC-509R



Extra Large Capacity, Intelligent Self-Inventory Control

Scope of Application

Relying on the application of RFID smart IoT technology in medical refrigeration products, ensures real-time tracking of storage information and automatic intelligent management of reagents and medicines with inventory status clear at a glance.

Applicable to hospitals, pharmacies, third-party testing institutions, manufacturing enterprises as key examples.

Qingdao Haier Biomedical Co.,Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266109, P.R. China
Tel: +86-0532-88935593
Website: www.haiermedical.com



Haier Biomedical
International



Haier Biomedical
International



@haiermedicalint



Haier Biomedical
International



Haier Biomedical
International

Smart Reagent Refrigerator

— **HYC-509R**

Product Advantages



Constant Temperature and Accurate Control, Keeping the Medicines and Reagents Safe and Secure

2°C-8°C accurate temperature storage environment, the temperature uniformity is $\pm 2^{\circ}\text{C}$, with real-time monitoring of inside temperature.



RFID Shelf Antenna

Full RFID signal coverage inside the refrigerator, 100% inventory accuracy.



Authority Management with Rigorous Flow Monitoring Controls

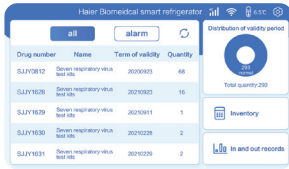
With electromagnetic door locks and equipped with an NFC authority management system, who, when, and what items are accessed are all recorded immediately and accurately in real time.



Wifi - Easy Access to Network

Equipped with Wifi, making it easier to connect to the internet.

Ergonomic Design



Interactive and Visual Management

High-definition LCD touch screen, intelligent design, real-time display of the number of stored reagent types.

Real-time display of early warning expiry of reagent validity period, ensuring visual management of real-time temperature data inside the refrigerator.

Supports real-time check of reagent storage records, inventory status can be seen at a glance.

Web-based Reagent Management Platform

Ensures supplier qualification management, inventory management, authority management, order management, expiration date management, equipment information management as key examples.

Large function modules assist users in the whole process of data collection, analysis, accurate accounting and scientific guidance.

Electric Heated Glass Door

Double layer tempered electric heated glass door, no condensation at 32°C ambient temperature and 85% humidity.

Self-closing door design, the door will automatically swing closed at less than 90 degrees and stay open at more than 90 degrees, convenient for users to store items.

High Efficiency and Energy Saving, Automatic Temperature Adjustment

The intelligently designed inverter compressor can automatically adjust the speed according to the ambient temperature and unit temperature, the rapid response in real time ensures the unit is energy saving and efficient.

Specifications

	Model	HYC-509R	
Technical Data	Cabinet Type	Upright, single glass door	
	Climate Class	N	
	Cooling Type	Forced air cooling	
	Defrost Mode	Auto	
	Refrigerant	HC	
	Sound Level (dB (A))	40	
Performance	Cooling Performance (°C)	± 2	
	Temp Range (°C)	2-8	
Control	Controller	Microprocessor	
	Display	Touchscreen+LED	
Electrical Data	Power Supply (V/Hz)	208-230/50/60	
	Power Input (W)	400	
	Rated Current (A)	2	
Construction	Capacity (L/Cu.Ft)	509/17.97	
	Net/Gross Weight (approx)	kg	180/215
		lbs	396/473
	Interior Dimensions (W*D*H)	mm	593*585*1500
		in	23.21*22.9*58.8

	Model	HYC-509R	
Construction	Exterior Dimension (W*D*H)	mm	693*813*1981
		in	27.1*31.9*77.7
	Packing Dimension (W*D*H)	mm	800*875*2100
		in	31.3*34.3*82.3
Loading Quantities	Container Load (20'/40'/40'H)	14/28/28	
Alarms	High/Low Temperature		Y
	Remote Alarm		Y
	Power Failure		Y
	Sensor Error		Y
	Low Battery		Y
	Door Ajar		Y
Accessories	Caster		Y
	Foot		Y
	Porthole		Y
	Shelves		Y
Certification	USB Interface		Y
	CE		Y

Product appearance and specifications are subject to change without notice