

Product Portfolio



Your Haier Biomedical Partner

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Note: If a slight difference occurs between pictures and actual products, please refer to actual products. Our company reserves the right of final interpretation of this brochure, please contact us for any further information if required.

Note:

-  Products with CE Certification.
-  Products with NSF Certification.
-  Products with Energy Star Certification.
-  Medical Device Regulation.
-  Food and Drug Administration.
-  Underwriters Laboratories.
-  In Vitro Diagnostic Medical Devices Regulation.
-  Products are manufactured with Touch Screen.
-  The WHO Performance, Quality and Safety (PQS).
-  CCEOP Eligible.
-  Products are manufactured with Hydrocarbon Refrigerant.
-  Food and Drug Administration 21 CFR Part 11.
-  UK Conformity Assessed.



Founded in 1984, Haier Group is a leading global provider of better life and digital transformation solutions. Based on the purpose of "More Creation, More Possibilities", we are committed to co-create infinite possibilities for a better life with users, and to co-create infinite possibilities for industrial development with the ecological partners.

Being an iconic company in the real economy, we've always been user centered, adhered to original technology and built a landscape of three pillars, Smart Living, Comprehensive Health and Industrial Internet. We have built 10 R&D centers, 71 research institutes, 35 industrial parks, 143 manufacturing centers and a sales network of 230,000 nodes around the world. We are the world's only IoT Ecosystem Brand that has been ranked in the Kantar BrandZ Top 100 Most Valuable Global Brands for six consecutive years. Additionally, we have ranked among the Top 10 in the Google & Kantar BrandZ Chinese Global Brand Builders for eight consecutive years, held the No.1 position in Euromonitor's Global Major Appliances Brand for 15 consecutive years, and have been selected as one of The World's 500 Most Influential Brands by the World Brand Lab for twenty consecutive years.



We have six listed companies, and our subsidiary Haier Smart Home is named among the Fortune's Global 500 and World's Most Admired Companies. We have several global premium brands, including Haier, Casarte, Leader, GE Appliances, Fisher & Paykel, AQUA and Candy, and have the world's first smart home Scenario Brand, SAN YI NIAO. We have built the world-leading industrial Internet platform COSMOPlat and the comprehensive health industry ecosystem Incaier.

We believe: More collaboration will happen when more boundaries are broken, and more valuable relationships are established. Only then will the future of the world be filled with infinite wonderful possibilities.

*Data as of November 2024



10+N R&D Centers |
 126 Marketing Centers |
 35 Industrial Parks |
 143 Factories |
 200+ Countries or Regions



About Haier Biomedical

Company Profile

Haier Biomedical was established in 2005 and listed on the Science and Technology Innovation Board of the Shanghai Stock Exchange in 2019 (stock code: 688139). The Company aims to create the best user experience for a wide range of user groups such as hospitals, biotechnology enterprises, universities & colleges, scientific research institutions, centres for disease control and prevention, plasma stations, and primary public health authorities. The Company mainly engages in two major business fields: life sciences and medical innovation. It provides comprehensive digital solutions with multiple types of products and services for scenarios including smart laboratories, smart compliance pharmaceuticals, digital hospitals, smart public health, and smart blood distribution.

Leveraging industry-leading technologies, the Company has promoted scientific and technological innovation and led industrial reform. Through successive breakthroughs in low-temperature biomedical technology, our company has maintained its international leadership in relevant research and development as well as industrialization. With ongoing investments in research and development, we have continuously achieved breakthroughs in core technologies and expanded our business into areas such as biological culture, centrifugal preparation, laboratory consumables, and in-hospital pharmacy services. Building on this foundation, we have pioneered transformative methods in the biomedical industry. This includes integrating emerging technologies like the Internet of Things (IoT) and cloud computing, as well as launching innovative comprehensive solutions for digital applications such as smart blood distribution and smart vaccination. These solutions have expanded into areas like smart laboratories, automated in-hospital pharmacy services, and public health screenings, reshaping the landscape of the industry.

As of the end of the reporting period, Haier Biomedical has established 6 technical platforms, owned a total of 1,321 authorized patents and 296 software copyrights, led or participated in the release of 1 international standard, 18 national and industry standards, 2 local standards, 17 group standards, and 2 CQC certification technical specifications. In addition, 32 achievements have

reached the international leading level. Moreover, the Company has 28 items with more than 800 models of Class II and Class III medical device registration certificates, among which more than 200 models obtained the EU CE certification, more than 60 models obtained the US FDA certification, and more than 130 models obtained the US UL certification. Products certified under 21 items with 36 models were selected as excellent domestic medical equipment.

Haier Biomedical's products and solutions have been applied in more than 150 countries and regions worldwide, with our reach expanding all the time. In the domestic market, the Company has served tens of thousands of end users in the medical and health field, including hospitals, biotechnology enterprises, universities & colleges, scientific research institutions, centres for disease control and prevention, plasma stations, and testing institutions. Well-known customers in China include the Shanghai Ruijin Hospital, Wuxi Apptec, Shanghai Fudan University, China Centre for Disease Control and Prevention, Hualan Biological, Hengrui Pharmaceutical, and Fosun Pharmaceutical. The Company's international network is continuously expanding; as of the end of the reporting period, over 800 resell partners have joined the distribution network. To cultivate localized operations, the Company has established overseas operation centres, including the user experience and training centres in Dubai, Nigeria, and the UK and warehousing and logistics centres in the Netherlands and US. In addition, the Company has maintained long-term cooperative relationships with more than 60 international organizations such as the World Health Organization (WHO) and the United Nations Children's Fund (UNICEF).

Haier Biomedical Development Stages:

<p>On October 28, 2005, Haier Biomedical was formally established</p> <p>2005</p>	<p>WHO Approved (PQS)</p> <p>Haier Biomedical won the first PQS certification in China, continuing a long-term cooperation with WHO, UN and UNICEF</p> <p>2011</p>	<p>Technology Break-Through</p> <p>Haier Biomedical was listed on the science and technology innovation board in Shanghai, becoming the first stock of the IoT technology ecology</p> <p>2019</p>	<p>• Smart IoT Biosafety Cabinet and Smart Cloud Lab Launched</p> <p>• Phase II Haier Biomedical Industrial Park Commenced</p> <p>• "TÜV Rheinland Witness Laboratory" Qualification</p> <p>• Haier Biomedical Technology Center was accredited by CNAS National Laboratory</p> <p>• NSF Certification</p> <p>2021</p>	<p>• Joined the UNGC Global Initiative</p> <p>• National Green Factory Award</p> <p>• Acquired Hohwell Smart Pharmacy Technology</p> <p>2023</p>
<p>2006</p> <p>Technology Break-Through</p> <p>Haier Biomedical created the first -86°C ultra-low temperature freezer in China</p>	<p>2017</p> <p>First Market Share in China</p> <p>Achieved The First Market Share in sectors as Biosample cold chain storage, Blood cold chain storage, Vaccine cold chain storage, Drug cold chain storage</p>	<p>2020</p> <p>• New Factory Opened</p> <p>• IoT Exhibition Center Launched</p> <p>• China's First UL Energy Star WTDP Laboratory Qualification</p>	<p>2022</p> <p>• Dubai No.001 Training Center Opened</p> <p>• TwinCool Frequency Conversion ULT Freezer Launched</p> <p>• RKN Container was Approved for Airworthiness</p> <p>• -150°C Hydrocarbon IoT Cryogenic Freezer Launched</p>	<p>2024</p> <p>• IEC Proposal Led by Haier Biomedical Has Been Approved</p> <p>• Led in WHO Contract Awards for Chinese Suppliers</p> <p>• Obtained LN2 Management System FDA Certification</p>

-150°C Cryo Freezer
Model: DW-150W209(A)



- Safe, more convenient, and economical, compatible with LN₂ (optional)
- Adjustable temperature range of -140°C to -150°C
- Environmentally friendly HC refrigerants
- Microprocessor control system with clear LCD display
- Multiple alarms for safety and sample protection

-86°C UltraEco ULT Freezer
Models: DW-86L580BPT/730BPT/830BPT/960BPT



- Lowest energy consumption in the ENERGY STAR ranking
- The temperature uniformity within the chamber can be maintained within ±2°C at 20°C ambient
- Great improvement in the warm-up time and door opening recovery time
- Improved pressure relief port (PEP) enables re-entry in just 60 seconds

RFID ULT Freezer
Model: DW-86L728BPSTR



- Effortlessly locate and inventory sample tubes without the need to open the door
- Achieve accurate and swift recognition with a 3-second automatic identification process for sample information and location
- Save time and effort with a single click inventory feature that completes within 5 seconds
- The dual refrigeration system features double independent HC refrigeration units, both capable of maintaining -80°C

-86°C Water-Cooled ULT Freezer
Models: DW-86L959W/828W



- Water cooled ULT freezers use less energy and heat emissions are reduced by 90%
- Temperature uniformity of ±3°C (setting temperature at -80°C)
- Intelligent control system
- 10-inch large LCD capacitive screen
- Multiple alarm protection with USB and remote alarm connectivity

-86°C TwinCool Frequency Conversion ULT Freezer
Models: DW-86L828BPST/728BPST/578BPST



- Dual refrigeration system, double safety, and optimal reliability
- Intelligent frequency conversion technology and HC refrigeration system ensure low energy consumption
- Low noise design
- Faster cooling speed

-86°C Standard Low Energy ULT Freezer with LCD Touchscreen
Models: DW-86L829/729/579/419



- 10-inch touchscreen with single version inventory management allows users to easily record item locations, entry and exit records for intelligent stock management
- Temperature uniformity ±4°C (setting temperature at -80°C)
- Equipped with an intelligent temperature monitoring system, real-time temperature data monitoring function (optional) and multiple safety alarm system
- Advanced hydrocarbon energy saving refrigeration technology

-86°C Frequency Conversion ULT Freezer
Models: DW-86L959BP(T)/829BP(T)/729BP(T)/579BP(T)



- Intelligent frequency conversion technology
- Ultra low power consumption
- Temperature uniformity of ±3°C (setting temperature at -80°C)
- Standard LED (BP) and Touchscreen (BPT) models available

-86°C Standard Low Energy ULT Freezer with LED screen
Models: DW-86L828J(A)/728J(A)/628E/486E/578J(A)/490J(A)/388J/338J(A) & DW-86W420J(A)/100J



- Standard low energy models utilising hydrocarbon energy saving refrigeration technology
- Temperature uniformity of ±5°C (setting temperature at -80°C)
- Microprocessor controller with multiple alarms
- Remote alarm contacts and USB interface as standard
- Large selection of sizes and configurations to meet most requirements, from 100L to 828L

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-86°C Under Counter Low Energy ULT Freezer

Model: DW-86L100J



- Microprocessor controller with LED display and multiple alarms
- Optimized auto-cascade refrigeration technology (single compressor)
- On or under-counter stackable design
- Low noise design

Stirling Compact ULT Freezer

Model: DW-86L100STL



- Featuring a space-saving design, it offers full-performance ULT storage for benchtop setups, stacked arrangements, or undercounter installations.
- Ideal for precisely regulated temperature changes across an expansive set point range of -86°C to -20°C, maintaining a temperature uniformity of $\pm 2^\circ\text{C}$
- Adopting 100% natural refrigeration technology, which is more environmentally friendly
- Optimized for energy efficiency delivering a power consumption of just 3 kWh/day at -80°C
- The sound level is $\leq 46\text{dB (A)}$, creating a quiet environment

-86°C ULT Freezer

Model: DW-86L51J



- Ergonomic & user friendly design
- Hydrocarbon energy saving
- Safe, secure and reliable
- Microprocessor control system
- Tool-free removable filter design
- Multiple data ports

Mini ULT Freezer

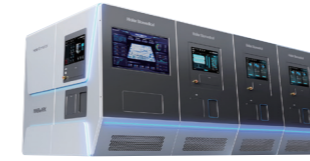
Model: DW-80WZ15



- High quality HC high-efficiency compressor, energy saving and environmental friendly
- Superior uniformity and insulation performance
- One Unit for Multiple Applications
- Hidden metal handle, safe and durable, easy to carry

U-Vault Flex80 Smart Modular Fully Automated ULT Sample Storage

Model: HAB80-60K1/60K2



- Uniform and stable ULT storage
- Fully automated sample picking and tracking
- Multiple safety measures to ensure sample safety
- Fully featured real-time control system

CO₂ Backup System

Model: HBX-IC



- Provides back-up in event of ULT failure to control cabinet temperature
- User adjustable temperature setting and low CO₂ level alerts
- Small footprint, top mounted design
- Suitable for almost all types of ULT freezer

LN₂ Backup System

Model: HBX-IIA



- Interlocked design to turn off the LN₂ injection when the door is opened
- Light weight and portable design, suitable for installation on top of a freezer
- Alarm functions include low battery and sensor error

Consumables for ULT Freezer (category)



- SBS (Styreneic Block Copolymers) racked 2d cryogenic vial
- Innovative cryogenic vial
- Conventional cryogenic vial
- Freezer boxes
- Freezer racks
- PCR consumablesk design to turn off the LN₂ injection when the door is opened

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-60°C Biomedical Freezer Models: DW-60W388/258/138



- -60°C deep freezing
- Auto-cascade refrigeration technology
- Energy saving and environmentally friendly refrigeration technology
- Super quiet high-efficiency compressor
- Polyurethane and VIP construction
- Superior thermal insulation performance

-40°C Biomedical Freezer Model: DW-40L298J(A)



- The temperature uniformity is $\pm 3^{\circ}\text{C}$ with the setting temperature of -40°C
- Hydrocarbon Environmentally Friendly
- Energy saving hydrocarbon technology
- Multiple alarms ensure the safety of the stored samples

-40°C Smart Frequency Conversion Freezer Model: DW-40L959BP(T)



- The temperature uniformity is $\pm 3^{\circ}\text{C}$ with the setting temperature of -40°C
- Standard LED (BP) and Touchscreen (BPT) models available
- Large capacity (700 2-inch box) to accommodate the multiple storage needs
- High-efficiency and energy-saving compressor and system

-40°C Biomedical Freezer Models: DW-40L262/92



- Energy saving and environmental protection
- Low noise design
- Fast pull down and recovery times
- Multiple alarms

-40°C Smart Frequency Conversion Freezer Model: DW-40L818BP(T)



- Superior temperature uniformity of $\pm 3^{\circ}\text{C}$ in a large storage space
- Standard LED (BP) and Touchscreen (BPT) models available
- Low noise design
- High-efficiency and energy-saving compressor and system

-40°C Biomedical Freezer Models: DW-40W380J/255J/138J



- Standard biomedical freezers with direct cooling and manual defrost
- Reliable temperature control and performance
- Multiple alarms
- Non-toxic, environmentally-friendly hydrocarbon refrigerants

-40°C Biomedical Freezer Model: DW-40L568J



- Large 568L freezer with adjustable shelves and optional freezer racks for plasma bag storage
- Optimized energy-saving hydrocarbon refrigeration system
- Super quiet high-efficiency compressor
- Temperature uniformity of $\pm 4^{\circ}\text{C}$ (setting temperature at -40°C)
- Structural noise reduction design

-30°C Biomedical Freezer Model: DW-30L818



- High-efficiency and energy-saving compressor and refrigeration system
- Superior temperature uniformity of $\pm 3^{\circ}\text{C}$ (setting temperature at -30°C)
- Green and environmental friendly
- Low noise level

-40°C Biomedical Freezer Models: DW-40L528D(A)/418D



- Double door design and adjustable storage shelf height for more convenient use
- The temperature uniformity is $\pm 3^{\circ}\text{C}$ with the setting temperature of -40°C
- High efficiency hydrocarbon compressor and refrigeration technology for a lower energy consumption

-30°C Biomedical Freezer Model: DW-30L698



- A redesigned control panel features a revamped layout and updated icons, significantly improving user experience
- The temperature uniformity is $\pm 3^{\circ}\text{C}$ with the setting temperature of -30°C
- High-efficiency hydrocarbon compressor, optimized refrigeration system and low power consumption

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-30°C Biomedical Freezer Model: DW-30L528D



- High-efficiency and energy-saving compressor and system
- The temperature uniformity is $\pm 3^{\circ}\text{C}$ with the setting temperature of -30°C
- Adjustable storage shelf height to realize the efficient use of large space in the cabinet

-30°C Biomedical Freezer Model: DW-30L298J



- High-efficiency and energy-saving compressor and system
- Adjustable storage shelf height
- Superior temperature uniformity
- Multiple alarm functions

-30°C Forced Air Cooling Biomedical Model: DW-30L1280F(T)



- Dual system hydrocarbon refrigeration technology
- Intelligent defrosting technology safeguards the stability of storage temperatures
- Temperature uniformity of $\pm 3^{\circ}\text{C}$ (setting temperature at -30°C)
- Low noise design, 45.4 dB(A) for 220V/50HZ
- Optional blood basket storage racks to store up to 900 x 200ml blood bags
- Optional touchscreen

-30°C Forced Air Cooling Biomedical Model: DW-30L520F(T)



- Superior Temperature Uniformity of $\pm 3^{\circ}\text{C}$
- Forced Air and Auto Defrost Design
- Green and Environmental Friendly
- High-efficiency and Energy-saving Compressor and System

-30°C Smart Frequency Conversion Freezer Model: DW-30L818BP(T)



- Energy saving with variable speed inverter technology and HC refrigeration
- Super low energy and low noise design
- Excellent temperature uniformity of $\pm 3^{\circ}\text{C}$ in a large storage space (setting temperature at -30°C)
- Adjustable shelves
- Standard LED (BP) and Touchscreen (BPT) models available

-25°C Biomedical Freezer Models: DW-25L262/92



- Direct cooling and manual defrost
- Environmentally-friendly and energy efficient hydrocarbon refrigeration
- Mechanical lock plus lock catch design
- Clear LCD display with multiple alarms
- Supplied with storage drawers

-30°C Spark Free Freezer Models: DW-30L298SF/FL



- Explosion proof interior
- Superior temperature uniformity of $\pm 3^{\circ}\text{C}$ temperature of -30°C
- High-efficiency and energy-saving compressor and system
- Multiple alarm functions

-25°C Spark Free Freezer Model: DW-25L92SF



- Explosion proof interior
- Undercounter biomedical freezer
- High-efficiency HC compressor and optimized refrigeration system

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Pharmacy Refrigerator

Models: HYC-1378/610



- Standard pharmacy refrigerators with forced-air cooling
- Model HYC-1378 internal temperature uniformity $\pm 2^{\circ}\text{C}$; HYC-610 $\pm 3^{\circ}\text{C}$ (setting temperature at 5°C)
- Condensation-free heated self-closing door
- Microprocessor controller with LED display with multiple alarms

Chromatography Refrigerator

Model: HYC-1100C



- Large volume of 1100L
- Waterproof sockets provides power for mixers, shakers and other lab tools
- UV lamp ensures thorough sterilization within the chamber

Frequency Conversion Pharmacy Refrigerator

Models: HYC-1099/1099F/509/509F



- Excellent temperature uniformity of $\pm 2^{\circ}\text{C}$ (setting temperature at 5°C)
- Solid or glass door options
- Frequency conversion technology with adaptive control
- Environmentally-friendly and energy efficient HC refrigeration

Frequency Conversion Pharmacy Refrigerator with Touch Screen

Models: HYC-1099T/1099TF/509T/509TF



- Intelligent and interactive touchscreen control
- Excellent temperature uniformity of $\pm 2^{\circ}\text{C}$ (setting temperature at 5°C)
- Solid or glass door options
- Frequency conversion technology with adaptive control
- Environment-friendly and energy efficient HC refrigeration

Pharmacy Refrigerator

Models: HYC-1031GDH



- True Humidity and temperature Control
- 35%-75% instantaneous humidity control
- Temperature uniformity $\leq \pm 1.5^{\circ}\text{C}$, safe storage
- Daily energy consumption of 2.8 kWh, saving 65% energy
- 39 Db, library level silent operation

Pharmacy Refrigerator

Model: HYC-1031GD



- Self-closing door with magnetic gasket for positive seal
- Microprocessor controller, display with resolution of 0.1°C
- Low energy consumption: 2.5 kWh/day

Pharmacy Refrigerator

Model: HYC-1030GT



- Adjustable plastic-coated wire shelves for improved circulation and flexible storage
- Electromagnetic lock is standard to avoid unauthorized access
- 7 inch touch screen, easy to check the cabinet temperature, alarm & event records
- Anti-freezing thermostat is available to protect store items from freezing

Pharmacy Refrigerator

Models: HYC-940/940F/390/390F/290



- Energy efficient design with inverter compressor technology and environment-friendly hydrocarbon refrigeration
- Large space, superior uniformity. The space is efficiently used, and the utilization rate is high and the temperature uniformity is $\pm 3^{\circ}\text{C}$
- Optimised internal space design with multi-level adjustable shelves
- LED display with multiple alarms

Intelligent Reagent Refrigerator

Models: HYC-639R



- Intelligent inventory management
- Accurate temperature control and reliable operation
- Full RFID signal coverage inside the refrigerator, 100% inventory accuracy
- 15.6 Inch Touchscreen

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Pharmacy Refrigerator Models: HYC-639/410



- Forced air cooling for optimal temperature stability and uniformity $\pm 2^{\circ}\text{C}$ (setting temperature at 5°C)
- HC refrigerant technology to ensure lower energy consumption
- LED temperature display with multiple alarms

Under-counter Pharmacy Refrigerator Models: HYC-118/118A/68/68A



- High-efficiency hydrocarbon compressor and refrigerant
- Air cooling, with auto defrost for superior cabinet temperature uniformity
- Small size, fitting easily under the table
- Microprocessor control with LED and multiple-alarms, the backup battery lasts 8 hours after power failure
- Remote alarm terminal

Intelligent Reagent Refrigerator Model: HYC-509R



- Intelligent inventory management
- Accurate temperature control and reliable operation
- Full RFID signal coverage inside the refrigerator, 100% inventory accuracy
- Frequency conversion energy saving

Pharmacy Refrigerator Models: HYC-85GD/85FD



- Excellent performance: temperature uniformity $\pm 1^{\circ}\text{C}$
- Hermetically sealed compressor, forced-air circulation and automatic defrost to ensure high cooling performance
- Microprocessor controller, display with resolution of 0.1°C

Pharmacy Refrigerator Model: HYC-461GD



- Superior cooling performance, temperature uniformity $\leq \pm 1.5^{\circ}\text{C}$
- Triple-paned tempered glass door with frame heater to reduce condensation
- $\phi 25\text{mm}$ probe access port is standard on side wall to accept user-provided monitoring equipment

Spark Free Freezer/Refrigerator Model: HLRF-319SF



- High Performance Refrigerator: Forced-air cooling system with cycle defrost, temperature uniformity $\pm 3^{\circ}\text{C}$ Optional USB interface, RS485 & printer, easy to get temperature record
- Microprocessor Controller with Digital Display
- ATEX Certified
- Multipurpose and Space Efficient One cabinet with two independent chambers, both are self-contained and independently controlled with individual doors

Pharmacy Refrigerator Model: HYC-309



- Eco-friendly hydrocarbon refrigerant (R600a) and CFC- free polyurethane insulation
- Microprocessor controller, digital display with 0.1°C resolution

Spark Free Refrigerator Models: HLR-310SF/310FL/310F/118SF



- $3\text{--}16^{\circ}\text{C}$ setting temperature range
- Internal temperature uniformity $\pm 3^{\circ}\text{C}$ (setting temperature at 5°C)
- One-touch search for historic data
- ATEX rated, certified spark-free

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Combined Refrigerator and Freezer
Model: HYCD-469 (A)

- Temperature range: Refrigerator 2°C ~ 8°C and Freezer -10°C ~ -40°C
- Microprocessor temperature control accuracy 0.1°C (refrigerator) and 1°C (freezer)
- Separate doors for refrigerator and freezer with independent lock catches
- Multiple alarm functions
- Large LED screen display
- USB port
- Optional printer
- Four casters and two levelling legs

Combined Refrigerator and Freezer
Models: HYCD-282 (A)/319(A)

- Dual, independently controlled refrigeration and freezing systems
- Stainless steel interior
- The backup battery lasts 48 hours after power failure
- Remote alarm contacts
- USB interface for data download

Fluid Warming Cabinet
Model: HYR-111

- Fast heating speed, Variable power PTC heating module with fast heating speed and energy saving
- UV light sterilization in the cabinet with a variety of optional sterilization methods for effective prevention of possible contamination
- Multiple overheat protections, Electronic control + mechanical temperature control + overheat protection, multiple temperature control to ensure heating safety environmental friendly

Advanced Blood Bank Refrigerator
Models: HXC-1369/629(B)/429/149

- Consistent and reliable temperature performance of 4±1°C
- Frequency conversion technology with adaptive control
- Environment-friendly and energy efficient HC refrigeration
- NFC card module
- USB interface as standard with remote alarm in real time

Smart Blood Bank Refrigerator
Models: HXC-1369T/629T(B)/429T/149T

- Smart touchscreen controller with NFC card access and optional fingerprint module
- Consistent and reliable temperature performance of 4°C ±1°C
- Frequency conversion technology with adaptive control
- Environment-friendly and energy efficient HC refrigeration

Automated Blood Bank Refrigerator
Models: HXC-629R/HXC-629RV/HXC-429R/HXC-429RV/HXC-149R

- Automatic RFID tag identification
- IoT management of input & output inventory
- Smart touchscreen controller with NFC card access
- Consistent and reliable temperature performance of 4°C ±1°C
- Frequency conversion technology with adaptive control
- Environment-friendly and energy efficient HC refrigeration

Blood Bank Refrigerator
Models: HXC-629TR/1369TR

- Speed Control Condenser Fan
- Temperature inside the unit is controlled within 4±1°C with temperature control accuracy of 0.1°C
- Inverter Compressor

Unattended Self-service Blood Distribution Refrigerator
Models: HXC-629ZZ/HXC-149ZZ

- Electronic checking and bar code management
- Safe and reliable, making blood collection process traceable
- Real-time view and control of refrigeration operation

Blood Bank Refrigerator
Model: HXC-279

- High quality DC compressor for better stability
- Ultra-long holdover, superior thermal insulation
- High-efficiency rapid refrigeration
- Standard USB interface, it can store 10 years of temperature data
- 5 separate inner doors to reduce rapid cold air loss

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Blood Bank Refrigerator Model: HXC-279T



- Safe storage and optimum operation experience 60mm thick foam layer, superior insulation, ensuring the temperature is stable in the refrigerator; Five shelves and five inner doors design minimizes the cold loss
- Long insulation time Under full load and power off conditions, holdover time for 4°C to 6°C is more than 150 minutes, more secure
- Rapid refrigeration, high efficiency

Blood Bank Refrigerator Models: HXC-158B/158



- Frequency Conversion Compressor
- Adjustable Shelf And Basket
- Stainless Steel Drawer
- Condensation Free Design
- Automatic defrosting, defrosting water evaporates automatically

Blood Bank Refrigerator Model: HXC-106



- Multiple Protection Features
- Microprocessor control system designed to accurately control temperature at 4±1°C with an accuracy of 0.1°C

-30°C Plasma Freezer Model: DW-30L1280FT(smart)



- RFID Solution with real-time IoT technology
- Hydrocarbon refrigeration, efficient and quick
- NFC permission management system combined with an electromagnetic lock, controllable flow direction and traceable information

Plasma Blast Freezer Model: XSD-24FL



- High efficiency compressor and dual-cooling system, better performance
- Rapid-freezing temperature can be reduced to -60°C, superior performance
- Double sided touchable refrigeration method
- The central temperature of full-load plasma can be quickly frozen to below -30°C within 45 minutes, which effectively guarantees the activity of factor VIII
- Speed regulating fan & electric lifting system
- Whole process monitor of plasma quick freezing
- Traceability of each freezing cycle
- Printing and archiving functions

Plasma Blast Freezer Models: XSD-48WFL/24WFL



- Data is printable and the information is traceable
- Precise temperature control with precision of 1°C
- Plate rapid-freezing, efficient cooling
- Double layer for XSD-48WFL and monolayer for XSD-24WFL

Platelet Incubator with Agitator Models: HXZ-1369/149



- Precise temperature control
- Low noise
- Ultraviolet disinfection
- Superior insulation performance
- Energy saving

Plasma Apheresis System Models: XJ-III/XJ-II



- Intelligent identification, safe and effective error prevention system
- The whole process can be automatically monitored and managed
- Large touch screen, easy to operate
- Small footprint, movable and easy to use
- Optimized system and structural noise reduction design, low operating noise
- Optional cart facilitates the plasma's transfer
- Manual NaCl replenishment and automatic NaCl replenishment

Active Cooling Logistics Cold Chain Transport Cooler Model: HZY-40Z



- DC frequency conversion technology
- Tilt protection function
- Integrated rotational molding body
- Multiple power supply
- Supporting AC & DC power

Passive Cooling Transport Cooler for Biological Products Model: HZY-35B



- Utilises PCM ice packs and efficient ABS high-density insulation
- Maintains stable temperature of 2°C ~ 10°C
- At 43°C ambient or below maintains conditions for more than 8 hours
- Handle and casters for easy handling

Note:
 Products with CE Certification.
 Products are manufactured with Touch Screen.
 Products with NSF Certification.
 Products with Energy Star Certification.
 Products are manufactured with Hydrocarbon Refrigerant.
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Passive Cooling Transport Cooler for Biological Products

Model: HZY-5B



- Utilises PCM ice packs for cold chain transportation of blood and other biological products
- Efficient ABS high-density insulation
- Maintains stable temperature of 2°C ~ 10°C
- At 25°C ambient or below maintains conditions for more than 4 hours
- Access control integrated management software
- IoT enabled for real-time temperature data information and tracking

Active Cooling Transport Cooler for Biological Products

Model: HZY-15ZA



- For transportation of biological products 2°C ~ 10°C
- Economical and energy-efficient semi-conductor refrigeration
- Utilises PCM ice packs and high-density insulation
- At 25°C ambient or below maintains conditions for more than 2 hours (no power)
- Includes IoT enabled for real-time temperature data information and tracking
- NFC Unlocking

Active Cooling Transport Cooler for Biological Products

Models: HZY-15Z/8Z

CE



- For transportation of biological products 2°C ~ 10°C
- Economical and energy-efficient semi-conductor refrigeration
- Utilises PCM ice packs and high-density insulation
- At 25°C ambient or below maintains conditions for more than 2 hours (no power)
- 12V DC power supply

Active Cooling Transport Cooler for Infectious Materials

Models: HZY-15Z/8Z (Specimen)



- Semiconductor active refrigeration
- 2~6°C accurate temperature controlling
- Embedded PCM ice pack at 4°C for cold storage
- Under 25°C no-load condition, the air temperature in the box rising to 10°C takes more than 1 hour
- Under 25°C loading, the air temperature in the box rising to 10°C takes more than 2 hours
- Multiple fault alarms

Active Cooling Transport Cooler for Biological Products

Model: HZY-8ZA



- For transportation of biological products 2°C ~ 10°C
- Economical and energy-efficient semi-conductor refrigeration
- Utilises PCM ice packs and high-density insulation
- At 25°C ambient or below maintains conditions for more than 2 hours (no power)
- 12V DC power supply
- Real time uploads of temperature and moisture information to cloud platform for inquiry through WIFI and 4G network.

Intelligent Control Cold Chain Transport Cooler

Models: BW50-12A/36A; BW25-12B/36B/64B; BW25-8A/12A/18A/36A/64A



- Manufactured with vacuum insulation panel insulation technology, stable performance
- Light weight with inlaid clasp, easy to carry
- Equipped with built-in handle for easy handling

Medical Transport Cooler

Models: FS-12/18/35/54LS/100L/110L



CE



- High strength material, anti-collision, non-toxic and harmless, UV resistant
- Real-time display of temperature inside the cooler, making the temperature monitoring more intuitive
- Professional & innovative sealed design ensuring zero cold leakage to achieve safe, secure and reliable long-term cooling preservation

Portable Transport Cooler

Model: ALG50



CE



- Low voltage battery protection
- LED lighting
- Widescreen LCD display
- Real-time voltage display
- Detachable temperature sensor
- Standard basket

Active Temperature Controlled RKN Container

Model: RKN-AT1



- Robust construction with advanced technology to ensure reliable quality and stable performance
- Prevent internal temperature deviation and ensure the temperature uniformity under extreme environmental temperature changes
- Superior internal temperature uniformity
- Cost-effective performance

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Transport Cooler Models:BCD115/60



- Low voltage battery protection
- LED lighting
- Detachable temperature sensor
- Widescreen LCD display
- Real-time voltage display

Smart Vaccine Refrigerator Models: HYC-361/61



- The equipment is divided into 8 independent chambers. Only one of them needs to be opened each time to take the vaccine, so as to reduce the temperature fluctuation and keep the temperature constant from 2°C to 8°C to ensure the safety of the vaccine
- 10 inch touch screen. Touch control, easy to operate
- Customizable cartoon appearance. Cartoon appearance enhances affinity and reduces children's fear of vaccination
- Electronic label
- Cold chain monitoring. Users can check the temperature of the recent 24-hour, 7-day and 30 days on the screen

Solar Direct Drive (SDD) Vaccine Refrigerator Models: HTCD-160(B)/90 & HTC-240/120/112/110/40 & HTD-40/HTXC-120/240



- CFC-free high-density foam insulation
- Dual independent refrigerating and freezing systems
- Solar power supply and high-power solar panel
- Thickened alumina liner and cabinet structure design
- WHO/UNICEF standard Grade A freeze protection
- Wide ambient temperature range of 5°C ~ 43°C
- Internal temperature range of 2°C ~ 8°C
- Digital solar powered temperature display
- Standard door lock and independent temperature recorder
- Indicator light displaying On or Off status of compressors
- Solar direct drive with excellent autonomy time ensures the safety of blood
- Broad working ambient temperature range of 5~43°C
- WHO/PQS Certificate

Ice-lined Vaccine Refrigerator Models: HBC-240/120 & HBC-260/150/80 & HBCD-90



- Cabinet structure design
- CFC-free high-density foam insulation
- Vaccine freeze protection classification: Grade A
- Wide ambient temperature range of 5°C ~ 43°C
- Internal temperature range of 2°C ~ 8°C
- Digital solar powered temperature display
- Standard door lock and independent temperature recorder
- Indicator light displaying On or Off status of compressors
- Wide operating voltage range of 172~264 volts

Icepack Freezer Models: HBD-265/86



- Optimized refrigeration system
- Internal temperature range of -15°C ~ -25°C
- CFC-free high-density foam insulation
- Electronic temperature controller with digital display
- Safety lock avoiding unauthorized access
- Various sizes of storage baskets
- Easy to clean drainage port

Laboratory Freeze Dryer Models: DG-65Z04-10A/10AR



- Integrated design and pollution-free, enclosed environment (DG-65Z04-10A)
- High sublimation speed and high drying efficiency
- Multiple alarm protection including cold trap cooling overtime, vacuum pump oil replacement reminder
- The refrigeration efficiency is greatly improved
- Real time monitoring of freeze-drying status

Laboratory Freeze Dryer Models:HDG-86Z03-12T/HDG-86Z04-12/HDG-86Z06-18



- Offering different choices of ice condenser capacity: 3, 4, 6 kg per 24 hours
- Rapid cooling and the condenser temperatures can reach as low as -90°C
- Environmentally-friendly HC refrigeration system features a low Global Warming Potential (GWP)
- Optimal process control for quick and reliable freeze-drying
- Real time display of sample temperature, vacuum curve degree, cold trap temperature curve

Laboratory Freeze Dryer Models: HDG-86Z05-40T



- Compact design with large capacity
- Efficient freeze-drying performance
- Durable 304 stainless steel constructions
- Multiple alarms

Pilot Freeze Dryer Models:HDG-85Z10-50



- Precise Temperature Control
- PLC Control, user-friendly control interface
- Efficient refrigeration technology
- Suitable for small batch production & pilot Run

Mini Biological Safety Cabinet Model: HR700-IIA2



- Space-saving design with large working area
- Real-time monitoring of the airflow for safety
- Ergonomic design for single person
- Energy-efficient EBM fan
- Optional stand
- Motorized sash

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Standard Dual HEPA Biosafety Cabinet

Models: HR1200-IIA2-D/HR900-IIA2-D (70% circulation and 30% exhaust)

CE
UK
CR

- Dual air velocity sensors, DC ECM fans
- Intelligent constant air velocity system
- Double ULPA exhaust filter
- Glass side wall for better workspace visibility
- Ergonomic 10 degrees tilt design
- Multiple segments stainless steel work surface without screws
- Optional adjustable stand, Motorized sash, foot switch
- With CE and TÜV SÜD Mark certification

Standard Single HEPA Biosafety Cabinet

Models: HR1200-IIA2-S/HR900-IIA2-S (70% circulation and 30% exhaust)

CE
UK
CR

- Dual air velocity sensors, DC ECM fans
- Intelligent constant air velocity system
- AAF filter 99.995% @ 0.3µm
- Glass side wall for better workspace visibility
- Ergonomic 10 degrees tilt design
- Multiple piece stainless steel work surface without screws
- Optional adjustable stand Motorized sash, foot switch
- With CE and TÜV SÜD Mark certification

Biological Safety Cabinet

Models: HR1500-IIA2/HR1200-IIA2/HR900-IIA2 (70% circulation and 30% exhaust)

CE
UK
CR

- Single HEPA exhaust filter (ULPA exhaust Filter for HR900-IIA2)
- Solid sides
- Single fan
- Optional Adjustable work bench height
- Optional Motorized sash
- Optional Motorized stand
- With CE and TÜV SÜD Mark certification

Classic Series Biosafety Cabinet

Models: HR40-IIB2 (100% exhaust)

CE



- Ultra-efficient air filter (ULPA)
- Superior filtering effects 99.9995% for 0.12µm particles
- Sound and light alarm function
- Ergonomic 10 degrees tilt design
- Optional Adjustable work bench height
- With CE and TÜV SÜD Mark certification

Classic Series Biosafety Cabinet

Models: HR40-IIA2/HR30-IIA2 (70% circulation and 30% exhaust)

CE



- Ultra-efficient air filter (ULPA)
- Superior filtering effects 99.9995% for 0.12µm particles
- Sound and light alarm function
- Ergonomic 10 degrees tilt design
- Optional adjustable work bench height
- With CE and TÜV SÜD Mark certification

Smart IoT Series Biosafety Cabinet

Models: HR1800-IIA2-X/HR1500-IIA2-X/HR1200-IIA2-X

CE



- Dual SMI pressure sensors, dual airflow speed sensors, DC fans, Dual ULPA filters
- IoT access management system (optional)
- Intelligent constant air velocity function ;
- UV lamp service life warning and one-touch timer function
- Optional Motorized sash
- Optional surveillance cameras to record the operating status
- Air curtain blocking technology
- HEPA filter service life warning function
- With CE certification

NSF Series Biological Safety Cabinet

Models: HR1800-IIA2-N/HR1500-IIA2-N/HR1200-IIA2-N/HR900-IIA2-N

NSF



- NSF / ANSI 49,
- Comply with NSF / ANSI 49 standard with NSF certification
- Dual SMI pressure sensors, dual airflow speed sensors to monitors real-time airflow for safety and Alert the user for any insufficient airflow
- Dual ULPA filters, 10x Filtration efficiency of HEPA filter to creates ISO Class 3 work zone
- Raised Arm Rest for Comfortable working posture
- Optional Silver-ion impregnated powder coat for exceptional anti-microbial effect
- EN 12469
- Comply with EN12469 standard with CE certification
- 10 Inch intuitive touch screen
- Dual SMI pressure sensors, dual airflow speed sensors to monitors real-time airflow for safety and Alert the user for any insufficient airflow
- Dual ULPA filters, 10x Filtration efficiency of HEPA filter to creates ISO Class 3 work zone
- Raised Arm Rest for Comfortable working posture
- Optional Silver-ion impregnated powder coat for exceptional anti-microbial effect
- Standard work bench support.

Hydrogen Peroxide Disinfectant

Models: HGYX-Y100

CE



- Higher disinfection level with less consumption of hydrogen peroxide
- Compact size, light weight and convenient to handle and carry
- Real time monitoring and recording of data during operation
- Safe and secure, non-toxic, without other side effects by using hydrogen peroxide as disinfectant

Note:

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Ductless Fume Hood
Models: HTF-1500W/1200W

- Intelligent constant speed design, ensure the best adsorption effect of the filter
- Energy-efficient EC fan for a longer service life and reliable operation
- Offers a broad range of accessories and options to meet clients' different requirements

Laminar Flow Cabinet
Models: HCB-1600H/1300V/900V

- High efficiency particulate air filters (HEPA)
- Superior filtration efficiency of 99.99% or above for particles of 0.3um or above
- Pre-cleaning function cleans working area before users start
- One-touch UV lamp operation with start delay for safety
- Built-in light to reduce eye strain

Laminar Flow Cabinet
Models: HCB-1600VS/1300VS

- Positive pressure chamber design ensures air velocity uniformity and forms effective seal
- Operating area cleanliness to ISO 14644-1 class 4
- Real-time display of airspeed, stepless speed regulation in the range of 0.20-0.50m/s with 0.01m/s accuracy
- Intelligent constant air velocity design

CO₂ Incubator with 180°C Dry-heat Sterilization
Models: HCP-258(B)/168(B)/80(B)

- Precise and accurate Temperature Control
- Precise CO₂ Concentration Using New IR Sensor Control Technology
- Fast Environment Recovery for Optimal Cell Growth
- 180°C Dry-Heat Sterilization Technology Minimises Contamination
- Interactive Intelligent Display with Easy Touch Operation
- Optional O₂ Module

CO₂ Incubator with 90°C moist heat sterilization
Models: HCP-258E/168E/80E

- Uniform and stable temperature
- Precise CO₂ Concentration Using New IR Sensor Control Technology
- Fast Environment Recovery for Optimal Cell Growth
- 90°C Moist Heat Sterilization Technology
- Fast Environment Recovery for Optimal Cell Growth

Standard Incubator
Models: HZP-168/HFP-80/HFP-168E/HZP-80E (CE not available yet for E series)

- Based on the fuzzy PID control principle, the temperature is controlled within a fluctuation range of $\pm 0.1^{\circ}\text{C}$, making the cultivation more reassuring.
- After opening the door, the temperature inside the cabinet recovers quickly, reducing the impact of temperature fluctuations on the samples.
- Precise temperature control
- Optional IoT technology for real-time remote monitoring
- Multiple safety protection features, safe and stable

Vertical Autoclave
Models: HRLM-110A/80A/80/60A

- Adopt PID control technology
- One-click automatic sterilization without setting
- Multiple safety measures to ensure the safe use of the equipment
- Automatic Adrying function
- Anti-drying protection

Drying Oven
Models: HFS-160/HZS-60/HZS-160E/HFS-60E (CE not available yet for E series)

- Superior pre-heating technology with an innovative air duct structure, achieve precise temperature control
 - Multiple safety protection features, safe and stable
 - Optional IoT technology for real-time remote monitoring
 - PID Control Technology ensures superior uniformity control
 - Multi-sided heating for rapid temperature rise, and the temperature inside the cabinet recovers quickly after opening the door, reducing the impact of temperature fluctuations on the samples.
- *Windows are optional.

Bench-top Autoclaves
Models: HRTM-45/23/18

- Triple Protection of Temperature and Pressure Monitoring, Electronic Lock and Mechanical Safety Devices
- Fast sterilization, diaphragm pump principle
- High Degree of Security by Extensive Safety Devices
- Adopts a new generation steam generator to increase the saturation of the saturated steam which ensures thorough sterilization

Climate Chamber - Semiconductor Type
Models: HHS-756/506/256

- Accurate temperature and humidity control
- Energy-saving semiconductor technology
- Intelligent control of PTC humidification
- Low daily water consumption
- No need to recycle waste water, save space
- Low vibration and noise

Climate Chamber - Compressor Type
Models: HHS-1060/810/500

- 7-inch LCD touch screen for easy operation.
- PID control algorithm ensures precise temperature control; Precise and uniform temperature distribution Security and traceability
- Exceptional energy efficiency

Cooled Incubator
Models: HSP-260/160

- Wide Temperature Range from 0°C to +70°C, Multi-purpose, covering 90% of fungi cultivation.
- PID fuzzy control algorithm, which can realize precise temperature control.
- Multiple Operating Modes
- High Thermal Insulation Performance, Energy Saving and Environmental Protection

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King Incubator (horizontal type)

Models: HYP-380Q/260Q/380C/260C



- PID fuzzy algorithm for precise temperature control
- 10 inch intelligent touch screen with unlimited program segment storage
- Large capacity, capable to hold 5L Thomson shaking bottles
- HC Refrigerant

CO₂ Incubator

Models: HCP-188W



- When power is off for 10 hours, the temperature fluctuation is $\leq 7^{\circ}\text{C}$, the temperature fluctuation is $\leq 7^{\circ}\text{C}$, and the temperature drop per hour is $\leq 0.7^{\circ}\text{C}$, minimizing the impact of temperature fluctuations on cell viability
- The temperature uniformity is $\pm 0.2^{\circ}\text{C}$, providing a more stable long-term cultivation environment.
- Multiple air circulation filtration systems, achieving Class 100 cleanliness inside the chamber for more reassuring sensitive cell culture

Biobank Series LN₂ Solutions

Models: YDD-1800-635PT/YDD-1000-465PT/ YDD-550-445PM/YDD-350-326PM



- Massive capacity between 13,000 to 94,875×2ml Vials
- Vapour phase storage at -190°C prevent cross-contamination
- Supplied with intelligent Cryosmart liquid nitrogen system monitoring and control solution
- LN₂ splash proof design for safer operation

Smart Series LN₂ Solutions

Models: YDS-175-216/YDS-145-216/YDS-115-216/YDS-95-216/YDS-65-216



- 5 models from 2,400 to 6,000 cryovial capacity
- Cloud data storage for traceability
- Low consumption rate and high performance stability
- Durable aluminium construction
- Real-time monitor of temperature and fluid level
- New lock design

Medium Series LN₂ Solutions

Models: YDS-175-216/YDS-145-216/YDS-115-216/YDS-95-216/YDS-65-216



- Heavy duty lockable enclosure
- Liquid or vapour phase option available
- Durable aluminium construction
- Temperature monitoring available
- High thermal efficiency
- Ultra-low evaporation loss

Dryshipper Series LN₂ Solutions

Models: YDH-25-216/YDH-15-216/YDH-10-125/YDH-6-80



- Rugged and durable aluminium construction
- Vapour phase storage
- Straw and cryovial storage options
- No LN₂ spillage
- Lockable lids
- Cryo absorbant

Self-pressurized Series LN₂ Solutions

Models: YDZ-500/YDZ-300/YDZ-150/YDZ-50/YDZ-5



- Stainless steel construction
- Labelled valves for easy identification
- Decant valves
- Liquid storage
- Integral safety mechanisms
- Safety valves
- Pressure raising
- Rotary ring construction

Liquid Nitrogen Transfer Container

Models: HSN96-01H1



- 2L liquid nitrogen, long holding time
- GPS positioning, temperature monitoring, transport process monitoring
- Empty weight 4.1Kg, ultra-light weight transport convenient

-196°C Intelligent Liquid Nitrogen Biological Sample Storage System

Models: HSN96-46K2/24K2



- Precise sample management to ensure the safety of sample access in all aspects
- Automatic sample access, accurate to single branch and single box frozen storage tube
- Sample delivery booking function, saving waiting time
- Low temperature protection in the whole process of sample access, access process, sample temperature $\leq -135^{\circ}\text{C}$
- In case of emergency, it is convenient for manual transfer of samples. After removing the whole frozen storage rack, the frozen storage box and the frozen storage tube are directly placed into the conventional liquid nitrogen tank for emergency storage
- Professional heat insulation drive structure, deep low temperature storage area, more uniform temperature
- Servo control system + manipulator application, accurate positioning, ensure access accuracy
- The driving parts are in normal temperature environment to ensure long-term stable operation of the equipment and save operation and maintenance costs

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Low Temperature Transport Trolley Model: YDC-3000H



- Touch screen LCD, easy to operate
- Real-time monitoring
- The instrument monitors the temperature and liquid level in real time and displays the expected remaining service time. Continuous working hours up to 24 hours
- The insulation cover can be magnet absorbed to the side of vehicle, which is convenient to extract, and the space reserved at the bottom can be used to store other tools

Liquid Nitrogen Container Model: CryoBio 27/CryoBio 95



- Brand-new frost-free design, overall upgraded appearance.
- Gas and liquid dual-purpose, automatic liquid replenishment.
- Unlock by opening the cover, convenient operation.
- Optional IoT, precise monitoring.

Liquid Nitrogen Container Model: CryoBio 43



- Innovative frost-free design; Unique exhaust structure to avoid frost on the neck. Brand-new drainage structure to avoid internal water accumulation
- Auto-fill function

Liquid Nitrogen Container Model: CryoBio 13



- Ten-inch LCD touch screen, easy to operate
- Cryosmart Level Monitoring System ZJY-800N Pro, which supports fingerprint and NFC access, providing multiple safeguards for sample safety

Liquid Nitrogen Container Model: CryoBio 6S



- Low liquid nitrogen consumption 1.5L/day
- Accurate real-time monitoring
- The autofill function can eliminate the need for manual filling and associated health safety risks

Liquid Nitrogen Container Models: CryoBio 34Z/CryoBio 20Z/CryoBio 11Z



- With the full opening hydraulic lid design, users can access and remove their samples
- Brand new intelligent monitoring system
- With larger battery capacity, it can still be used after power failure
- Reduce frosting and freezing

Liquid Nitrogen Container Models: Bio-2T/BioT Air



- Lightweight design of the product, the total empty weight is only 3kg
- Temperature display: Visual real-time temperature monitoring (Bio-2T), and the instrument part is dustproof and waterproof
- Multi-specification compatibility: Compatible with 1.2m, 1.5m, 1.8m, 2.0m and 5.0ml sample storage tubes
- High thermal insulation performance
- No liquid nitrogen overflow

Controlled Rate Freezer Model: CJ-L54/CJ-L37/CJ-L19



- Precise temperature control
- 7-inch touchscreen LCD console, easy to operate
- Liquid nitrogen allowance warning
- Single handle press lock, simple and labor-saving
- Equipped with a real-time temperature curve printer and electronically archived temperature records

Floor-standing Bioprocessing Centrifuge Model: LX-210L750R



- Features with 3L capacity and performance up to 47,400 x g, which is ideal for all-purpose use in the industrial and research sectors
- Offering a broad portfolio of fixed-angle and swing-out rotors, which can accommodate tubes and bottles from 1.5 ml to 750 ml, as well as deep-well plates
- Patented tool-free rotor exchange technology enables the installation and removal of rotors on the centrifuge automatically and securely without the need for any tools
- Automatic radio-frequency rotor identification (RFID) that enables immediate identification of a rotor once it is securely placed in the centrifuge chamber, avoid over-speed, reduce error messages, and enhance the safety
- Optimized multi-layer shock absorption technology makes the sound level ≤ 65 (dB(A))

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Floor-standing Bioprocessing Centrifuge

Model: LX-100L1000R



- Satisfy the changing application requirements that extend from academic research to production facilities. Offer up to 18,590 x g of centrifugal force and a maximum capacity of 6 liters
- Automatic radio-frequency rotor identification (RFID) that enables immediate identification of a rotor once it is securely placed in the centrifuge chamber, avoid over-speed, reduce error messages, and enhance the safety
- Optimized multi-layer shock absorption technology makes the sound level ≤ 65 (dB (A))
- The high-efficiency carbon fiber rotor achieves the maximum centrifugal force, faster acceleration and deceleration times, and greatly improves centrifugal efficiency

Floor-Standing Blood Banking Centrifuge

Model: LX-75L2400R



- One button automatic front-to-back door opening and closing
- 10-inch touch screen interface for convenient operation
- Improved capacity to maximize productivity(16 x 500 ml blood bags or 6 x 2400 ml centrifuge bottles per run)
- Short pre-cooling time of only 15minutes from room temperature to 4°C

Floor-Standing Compact Blood Banking Centrifuge

Model: LX-60L1000R



- Accommodates up to 6 x 500 ml blood bags or 12 x 200 ml blood bags per run with optimum sedimentation results
- One button automatic front-to-back door opening and closing
- Automatic rotor lid opening and closing with lid storage
- 7-inch touch screen interface for convenient operation

Benchtop General Purpose Refrigerated Centrifuge

Models: LX-155T750R/LX-155T500R/LX-60T750R



- Wide range of rotors for application flexibility
- Use of brushless induction motors to provide maintenance-free operation, eliminating carbon particle emissions
- Optimized sound design for low noise levels
- Automatic rotor identification and rotor life monitoring for maximum operational safety
- The 7-inch 45° glove-friendly touchscreen, the wide viewing angle more comfortable and practical for users of all heights.

Benchtop General Purpose Centrifuge

Models: LX-60T500-J



- Wide range of rotors for application flexibility, compatible with tubes/bottles from 0.2 ml to 500ml
- Real time loading imbalance detection, immediate shutdown protection in case of imbalance
- Unique air duct structure design, the heat inside the centrifugal chamber can dissipate quickly
- Patented anti-seismic door lock

Benchtop Compact Refrigerated Centrifuge

Models: LX-185T100R



- Fast sample processing at maximum speeds of up to 18,500 rpm (30,130xg)
- Short pre-cooling time and precise temperature control performance
- Each rotor use frequency monitoring to guarantee maximum operational safety
- Optimized sound design for low noise levels(≤52dB(A))

Benchtop Compact Centrifuge

Models: LX-185T100-J/LX-60T100-J



- Offer a compact footprint and compatible with 5ml, 10ml, 15ml, 50ml or 100ml sample tube, small and large blood collection tubes
- Real time loading imbalance detection, immediate shutdown protection in case of imbalance
- Unique air duct structure design, the heat inside the centrifugal chamber can dissipate quickly
- Use of brushless induction motors to provide maintenance-free operation, eliminating carbon particle emissions

Benchtop Compact Hydrocarbon-Cooled Centrifuge

Model: LX-60T100R



- Uses natural refrigerant (R290) for optimal cooling and minimal environmental impact
- Dual inverter cooling and multi-shock absorption keep noise below 32dB(A) even at max speed
- RFID rotor identification locks maximum speed to prevent overspeed
- Rapid pre-cooling: reaches 4°C from room temperature in just 5 minutes

Benchtop High-speed Refrigerated Microcentrifuge

Model: LX-165T2R



- Auto-ID instant rotor identification and rotor service life statistics
- Precise temperature control and ultra-fast refrigeration
- Precise balance detection
- Smart lid lock and USB interface
- Large smart screen controller provides an interactive interface which is easy to operate even in gloves

Note:

Products with CE Certification.
 Products are manufactured with Touch Screen.
 Products with NSF Certification.
 Products with Energy Star Certification.
 Products are manufactured with Hydrocarbon Refrigerant.
 The WHO Performance, Quality and Safety (PQS).
 CCEOP Eligible.
 Medical Device Regulation.
 Food and Drug Administration.
 Food and Drug Administration 21 CFR Part 11.
 Underwriters Laboratories.
 UK Conformity Assessed.
 In Vitro Diagnostic Medical Devices Regulation.

Benchtop High-speed Microcentrifuge

Model: LX-165T2-J



- High efficiency air cooling technology
- Automatic rotor identification
- Safe and reliable
- Multiple vibration reduction and noise reduction technology

Mini-centrifuge

Models: LX-120T2Z/LX-50T2Z



- Simple and fast operation
- Suspension with shock absorber reduces noise output
- Safety interlock lid with automatic shut-off if lid is open
- Splash and leak protection

Refrigerated Vaccine Vehicle



- Low fuel consumption
- Good insulation, safe and reliable
- Firm structure and corrosion resistance
- Strong after-sales service support capability
- Complies with WHO PQS specification E002/RV01.2
- Accurate temperature control and high temperature uniformity

Mobile Environmental Testing Laboratory



- Rational Layout Design
- Multiple power guarantees
- Professional laboratory equipment
- Outstanding vehicle platform

Air Purification Sterilizer

Model: YKJX-Y500



- Ultra-effective, triple-action disinfection-plasma, UV plus titanium dioxide photocatalyst and nano-silver ion filtration
- Kills up to > 99.9% of viruses and bacteria within air
- Negative-ion generator for clean fresh air

Mobile Container Clinic



- Multiple medical storage cabinets
- Ergonomic design
- Intelligent monitoring system
- Air conditioner system
- Customized layout to meet customer's individual needs
- Transportable, can be deployed rapidly

Mobile PCR Testing Laboratory

YJF-12X1H



- Solid and durable cabin
- Superior materials of high safety
- Sophisticated ventilation facilities and rain protection measures
- Intelligent control system
- Small shelter footprint, transportable, rapid deployment

Solar Powered Medical Laboratory



- Solar direct drive, suitable for remote regions where power shortages are common
- High efficiency solar panels to ensure the operation of large power consumption equipment
- Windproof and earthquake resistant
- Equipped with complete power supply system, water supply and drainage system, access control system and unlock fingerprint
- Equipped with surveillance camera and mass storage devices to ensure the maximum safety

Oxygen Supply System



- Using air as raw material, PSA method is adopted to generate oxygen to meet the medical oxygen demand of general ward, intensive care unit (ICU), hyperbaric oxygen chamber, common operating room, abdominal operating room, thoracic and cerebral operating room
- Integrated medical PSA oxygen generating system is suitable for the town and community hospitals, clinics, health facilities, beauty centers, entertainment and sport venues, hotels and villas, plateau areas etc

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Medical Waste Incinerator



- Wide spectrum of disinfection bacteria
- High sterilization efficiency, reducing energy consumption without dioxin pollution
- Easy operation and maintenance
- Low operating cost

Microwave Incinerator



- Environmentally friendly
- Diversified products
- Superior products
- Innovative technology

Solar Direct Drive Cold Room



- Solar photovoltaic power generation system
- Solar direct drive compressor without battery
- PLC intelligent control
- Wide operating ambient temperature range of 5-43°C
- Optional 48V switching power supply
- Supporting single phase 110-220V AC power supply
- Superior insulation performance

Cold/Freezer Room-Mono/Split type



- Constant temperature of 2 - 8°C (or -15 -25°C)
- All-in-one design of refrigeration system(Mono type)
- The WIC is equipped with aluminum shelf system
- Door equipped with a lock and heavy-duty hinges, with an internal safety release
- CFC-free refrigerant
- 100% stand-by refrigeration under worst-case conditions; (dual refrigeration unit)
- With sound and light alarm system: power failure, door status, high temperature, low temperature alarm

Gateway 502



- Highly reliable connectivity through 2G/3G/4G network upload monitoring platform
- Purposely Designed for Industrial Scenarios

Temperature Data Logger
Model: HETL-01



- Lora wireless ad hoc network communication technology, strong adaptability
- Smart gateway with backup battery, supports data breakpoint with continued transmission
- Powered by battery, and the working time is more than one year
- Real-time display of measurement data
- Can achieve the monitoring of cold room door, warehouse door and other door body open close usage activity
- Can monitor whether the power supply of the public grid is at normal capacity

Remote Temperature Monitoring Device(RTMD)
U-Cool/U-Cool-Pro



- Remote portal management platform, tracking temperature location
- High precision, wide range of temperature measurements
- Complies with WHO Standards, WHO prequalified code: E006/060

Remote Temperature Monitoring Device(RTMD)
U-COOL-Lora



- LoRa wireless ad hoc network communication technology, strong adaptability
- Smart gateway equipped backup battery, supports data breakpoint with continued transmission
- Complies with WHO PQS specification E006
- Equipped with standard a Micro-USB interface to cooperate with PC software for local data export
- LoRa spread spectrum modulation is adopted for wireless communication. Offering long communication distances, and a strong ability for signals to pass through obstacles/walls, with excellent anti-interference properties
- Achieve the monitoring the status of door, power supply, temperature
- Shockproof and dustproof to fit a variety of complex environments

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 ES Products with Energy Star Certification.
 HR Products are manufactured with Hydrocarbon Refrigerant.
 WHO The WHO Performance, Quality and Safety (PQS).
 CCEOP CCEOP Eligible.
 MDR Medical Device Regulation.
 FDA Food and Drug Administration.
 FDA Food and Drug Administration 21 CFR Part 11.
 UL Underwriters Laboratories.
 UK UK Conformity Assessed.
 IVDR In Vitro Diagnostic Medical Devices Regulation.

Cryo Freezer -86°CULT Freezers

DW-150W209/209A
 DW-86L728BPSTR DW-86L100STL
 DW-86L580BPT/730BPT/830BPT/960BPT
 DW-86L578BPST/728BPST/828BPST
 DW-86L579BPT/729BP/829BP/959BP
 DW-86L579BP/729BP/829BP/959BP
 DW-86L419/579/729/829
 DW-86L828W/959W DW-86L100J

Freeze Dryers

Mini ULT Freezer
 DW-86L51J DW-80WZ15
 DW-86L338J (JA)/388J/578J (JA)/728J (JA)/828J (JA)
 LED Display Series
 DW-86L490J DW-86L490A
 DW-86L486E DW-86L628E
 Chest
 DW-86W100J
 DW-86W420J DW-86W420JA
 CO₂ Backup System
 HBX-IC
 LN₂ Backup System
 HBX-IIA
 DG-65Z04-10A

-60°C Freezer -40°C Biomedical Freezers

DG-65Z04-10AR
 HDG-85Z10-50
 HDG-86Z05-40T
 HDG-86Z05-12T
 HDG-86Z04-12
 HDG-86Z06-18
 DW-60W138/258/388
 Chest
 DW-40W138J DW-40W255J/380J
 Upright
 DW-40L92

-30°C Biomedical Freezers

Upright
 DW-40L262
 DW-40L298J(JA)
 DW-40L568J
 Double Door
 DW-40L418D DW-40L528D (DA)
 DW-40L818BP DW-40L959BP
 DW-40L818BPT DW-40L959BPT
 Forced Air Cooling Freezer
 DW-30L520F DW-30L1280F DW-30L818BP

-25°C Biomedical Freezers Spark Free Freezers/Refrigerators

DW-30L818BPT DW-30L818
 DW-30L298J DW-30L528D DW-30L698
 DW-25L92 DW-25L262
 HLR-310SF/FL HLR-118SF HLRF-319SF DW-25L92SF

Laboratory Refrigerator Transport Coolers

DW-30L298SF/FL HLR-310F
 RKN-AT1
 Passive Cooling
 HZY-5B HZY-35B
 Medical Transport Container
 FS-12LS/18LS/35LS/54LS/100L/110L
 Biosafety Transport Container
 FS-12 18 35 54LS
 Portable Transport Cooler
 BCD115

Lab Consumables Storage Solutions

Portable Transport Cooler
 ALG50 BCD60
 Active Cooling
 HZY-15Z (ZA) HZY-8Z(ZA) HZY-40Z
 Intelligent Control Cold Chain Transport Cooler
 BW25-8A/12A/18A/36A/64A
 BW50-12A/36A
 BW25-12B/36B/64B
 Freezer Racks

Lab Consumables Storage Solutions Consumables

Cryogenic Storage Series
 High Speed Batch Scanner
 Single Tube Scanner
 Batch Cover Opener
 Pipette Tip Series
 Serological Pipette
 Centrifuge Tube Series

Pharmacy Refrigerators

Molecular Biology Series
 Cell Culture Series
 Others
 Chromatography Refrigerator
 HYC-1100C
 HYC-1030GT
 HYC-1031GD
 HYC-1031FD
 HYC-716GD

RFID Refrigerator

HYC-461GD
 HYC-461FD
 HYC-341GD
 HYC-509R
 HYC-639R
 HYC-1099TF
 HYC-509T
 HYC-509TF
 HYC-1099T
 HYC-509TF

HYC-1099F
 HYC-509
 HYC-1099
 HYC-509F
 HYC-309
 HYC-390
 HYC-410
 HYC-639
 HYC-390F
 HYC-610
 HYC-290

Under-counter Pharmacy Refrigerator

HYC-940
 HYC-940F
 HYC-1378
 HYC-130GD
 HYC-130FD
 HYC-85GD
 HYC-85FD
 HYC-68
 HYC-68A
 HYC-118
 HYC-118A

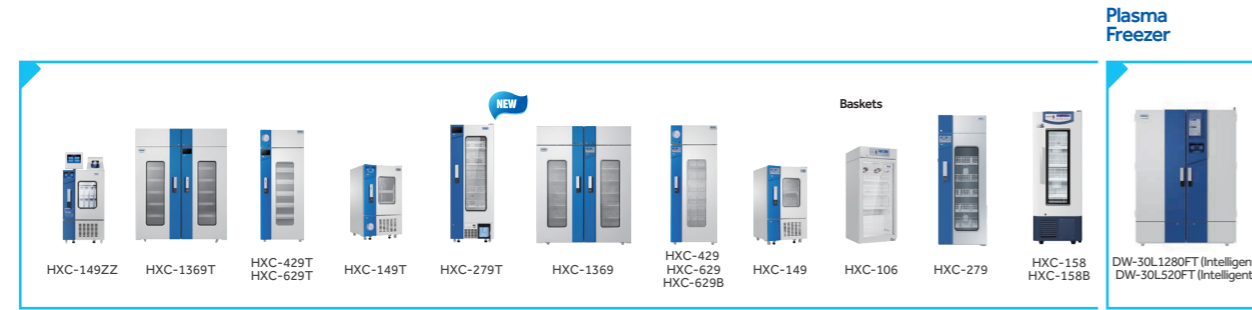
Combined Refrigerator and Freezer



Fluid Warming Cabinet



Blood Bank Refrigerators



Plasma Apheresis System



Plasma Blast Freezers



Platelet Incubator



Automated Blood Component Separator



Plasma Thawer



Smart Vaccine Refrigerators



Solar Direct Drive Combined Refrigerators/Freezers



Solar Direct Drive Vaccine Refrigerators



Solar Direct Drive Freezer



Solar Direct Drive Blood Refrigerator



Ice-lined Combined Refrigerators/Freezers



Ice-lined Combined Refrigerators



Vaccine & Icepack Freezers



Voltage Stabilizer



Walk-in Cold Room



Solar Direct Drive Cold Room



Vaccine Refrigerated Vehicle



RTMD



Biological Safety Cabinets



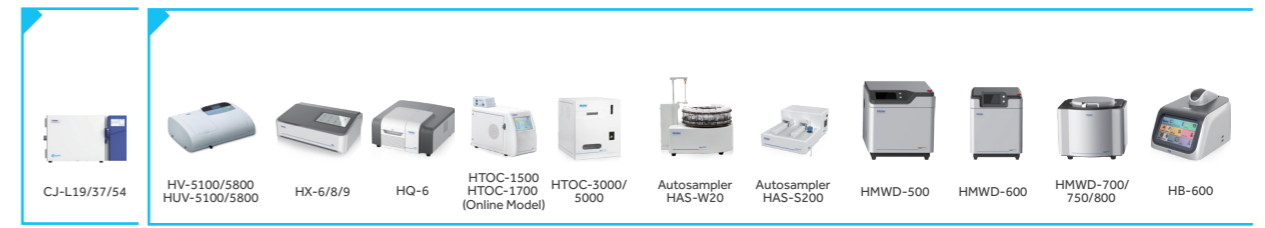
Centrifuges



Liquid Nitrogen Containers



Controlled Rate Freezer Analysis Instruments



-196°C Intelligent LN2 Biological Sample Storage System