

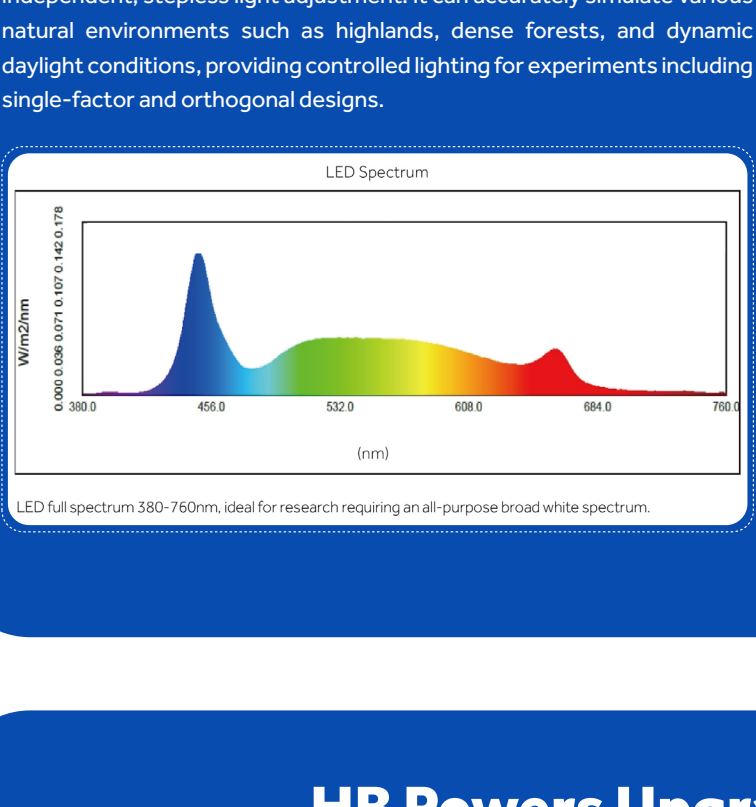
HB Growth Chamber Installed At Hong Kong's Kadoorie Farm

Inconsistent environmental conditions have long been a bottleneck in plant cultivation. Many growth chambers fail to deliver the right balance of light and temperature, resulting in plants with small leaves, thin stems, and low survival rates. The absence of key light spectra such as red and near-ultraviolet, coupled with temperature fluctuations and limited space, continues to hinder crop development and survival, as well as compromise research efficiency and experimental accuracy.



Precision Over Growth: The Dilemma of Plant Cultivation

As agriculture advances toward efficiency and sustainability, Haier Biomedical is leveraging its expertise in temperature control technology to support scientific innovation. Focusing on the multidimensional factors essential to plant growth—temperature, light, water, air, and nutrients—the company developed the HGP-860 Growth Chamber, designed to create a stable, controllable environment for plant cultivation. Its recent installation at Hong Kong's Kadoorie Farm and Botanic Garden has marked a significant step in strengthening agricultural research capabilities and biodiversity conservation in the region.



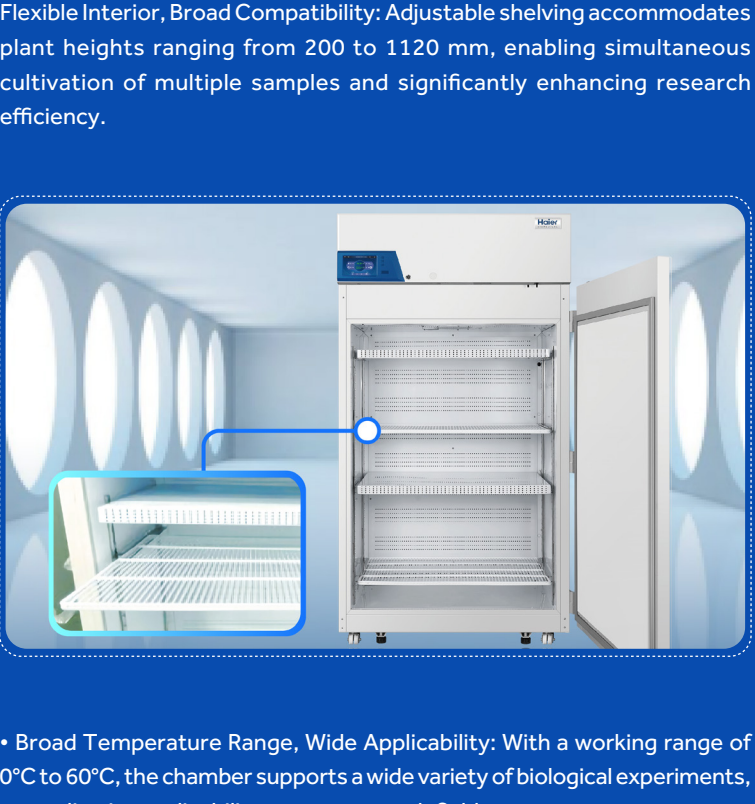
Growth Chamber: A New Era in Plant Cultivation

• **Four-Spectrum Lighting, Simulating Nature:** Equipped with four key spectra—near-ultraviolet, white, red, and far-red—the chamber supports independent, stepless light adjustment. It can accurately simulate various natural environments such as highlands, dense forests, and dynamic daylight conditions, providing controlled lighting for experiments including single-factor and orthogonal designs.



• **Intelligent Airflow Control, Supporting Growth:** With adjustable airflow at ten intensity levels, the chamber meets the requirements for different stages of plant growth. It is particularly suitable for crops like wheat and rice that thrive in gentle air movement, creating a realistic growth environment.

Advanced Temperature Control: Stable and Constant: Temperature fluctuation inside the chamber remains within $\pm 0.2^{\circ}\text{C}$, effectively minimizing thermal interference and ensuring stable experimental conditions for repeatable results.



• **Self-Evaporating Condensation, Effortless Maintenance:** This design effectively reduces condensation buildup, lowering maintenance frequency and improving research efficiency.

Flexible Interior, Broad Compatibility: Adjustable shelving accommodates plant heights ranging from 200 to 1120 mm, enabling simultaneous cultivation of multiple samples and significantly enhancing research efficiency.



• **Broad Temperature Range, Wide Applicability:** With a working range of 0°C to 60°C , the chamber supports a wide variety of biological experiments, extending its applicability across research fields.



Haier Biomedical is driving the future of life through technology. From plant cultivation to human health, and from fundamental scientific breakthroughs to cutting-edge technological innovation, the company continues to broaden its vision, redefining the value of life sciences and exploring the limitless possibilities of life and health.

HB Powers Upgrade At Hong Kong Chinese Medicine Hospital

From scientific research to clinical care, pharmaceutical safety management demands not only advanced technology but also a deep understanding of real-world applications. Haier Biomedical has recently completed the installation of 21 smart pharmacy refrigerators and supporting monitoring systems at the Hong Kong Chinese Medicine Hospital, marking the transition from technological innovation in the life sciences field to large-scale clinical implementation, and strengthening technical support for the modernization of traditional Chinese medicine.

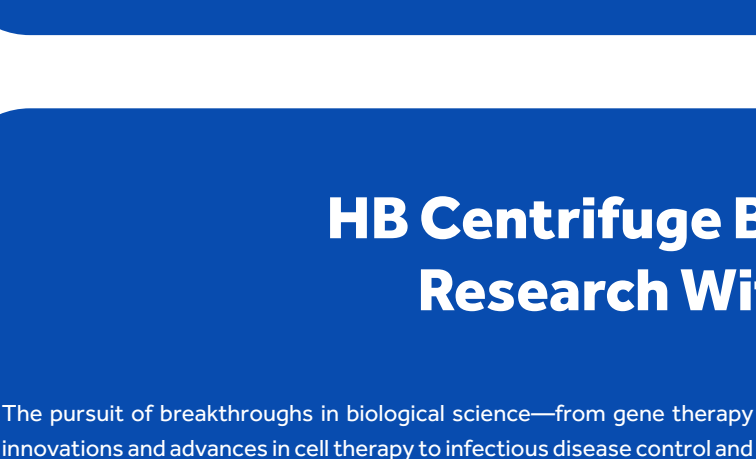


Precision Within: Safeguarding Medication with Exceptional Performance

At the heart of pharmaceutical storage is safety and stability. The HYC-509T and HYC-639 pharmaceutical refrigerators procured by the Hong Kong Chinese Medicine Hospital boast a robust safeguard for drug safety with their outstanding performance.



Featuring environmentally-friendly hydrocarbon refrigerants and CFC-free polyurethane insulation, these models deliver both sustainability and reliability. Their double-layer insulated tempered glass doors with electric heaters effectively prevent condensation at 32°C and 85% humidity, while a high-efficiency sealing system ensures consistent and uniform temperatures.



Pharmacy Refrigerator

HYC-639

Vigilance Outside: Real-Time Remote Monitoring Ensures Pharmaceutical Safety

To ensure fail-safe reliability, each Pharmacy Refrigerator is equipped with Haier Biomedical's U-COOL remote monitoring system. External temperature sensors accurately track ambient temperature with precision, automatically logging and transmitting data via GPRS for real-time, round-the-clock oversight. It is also equipped with audio-visual alarms that trigger immediate alerts to users of any abnormalities, ensuring a fully monitored storage environment that guarantees pharmaceutical safety and drug efficacy.

Haier Biomedical is redefining pharmaceutical safety and management through advanced technology, bridging the gap between laboratory innovation and clinical application. The company's growing presence in clinical healthcare offers robust infrastructure for the global development of traditional Chinese medicine, and lays the groundwork for a smarter, more reliable cold-chain network for human health.



Mauritius Ministry Of Health Delegation Visits HB For Training

A delegation from the Mauritius Ministry of Health visited Qingdao from November 6 to 7 for a two-day professional training organized by Haier Biomedical. The visit follows an earlier exchange in August, when a technical delegation from Ethiopia's Ministry of Health engaged in similar training, marking another milestone in Haier Biomedical's efforts to offer exchange and learning opportunities to African partners, thereby fostering China-Africa collaboration in public health.



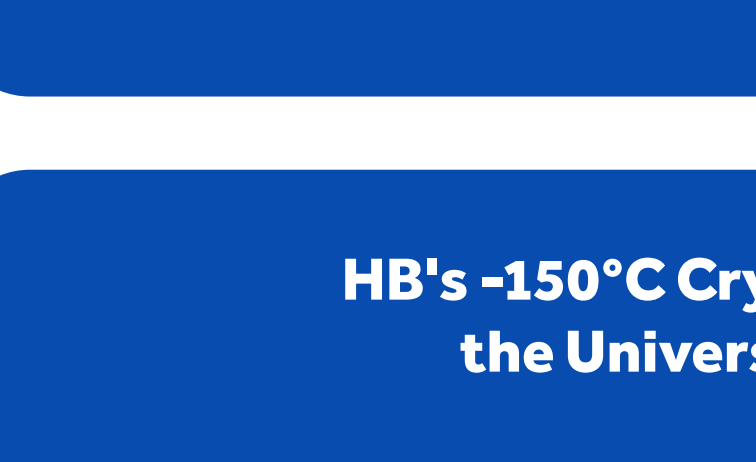
Technical Exchange in Exhibition Hall: Innovation Sparks Wisdom

During their visit, the delegation toured Haier Biomedical's product exhibition hall, exploring advanced technologies and smart solutions in life sciences, including biobank systems and smart vaccine management systems. Each solution highlighted its innovation and charm, sparking new ideas for application across Africa's public healthcare systems.



Cultural Engagement: Corporate Culture Nurtures Bonds Beyond the Lab

During their visit, delegates also joined Haier Biomedical employees in a fun sports relay activity, and the mixed teams competed and collaborated with laughter and enthusiasm throughout. The lighthearted event gave the delegation a close look at Haier Biomedical's collaborative corporate culture, strengthening mutual understanding and friendship between both sides.



Technology Empowerment: Safeguarding Health in Africa

Behind this exchange lies Haier Biomedical's ongoing effort to support Africa's public health development initiatives. In response to the issue of unstable power supply in some regions, the company has innovatively developed solar-powered smart vaccine solutions across multiple African countries, helping to build a reliable supply for vaccines. From Ethiopia to Mauritius and beyond, Haier Biomedical continues to elevate healthcare capacity across the continent.



HB Centrifuge Boosts Australian Research With Technology

The pursuit of breakthroughs in biological sciences—from gene therapy innovations and advances in cell therapy to infectious disease and chronic disease research—still relies heavily on advanced equipment. Recently, at Australia's world-leading Westmead Institute for Medical Research, Haier Biomedical's centrifuge has earned strong recognition for its exceptional performance, becoming a key tool driving progress in medical research.



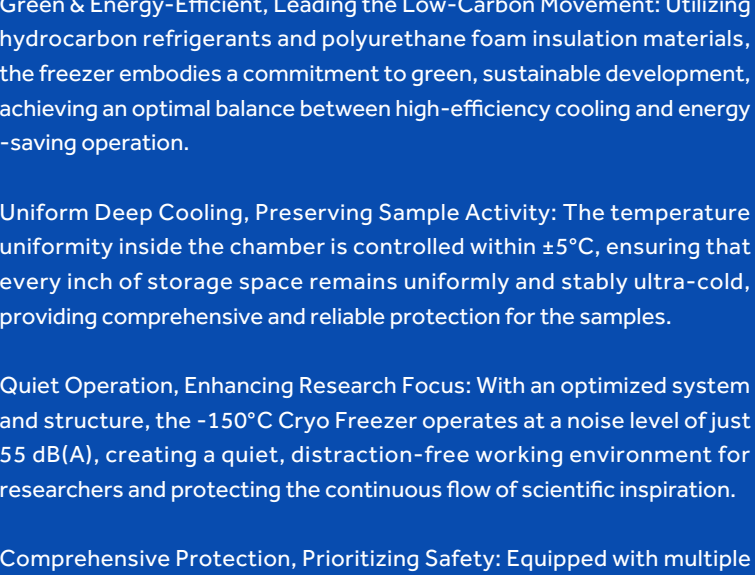
Westmead Institute: The Frontier for Precision Research

As a globally renowned medical research center, the Westmead Institute is a research institution committed to leveraging cutting-edge technologies such as gene and cell therapies, bioinformatics, and regenerative medicine to accelerate the translation of laboratory discoveries into clinical treatments. Its research addresses major global health challenges, including cancer, diabetes, cardiovascular, infectious, and neurological diseases.



Such a high-level research environment demands equally high-performance equipment that offers precise results, exceptional stability, and intelligent control to ensure experimental accuracy and efficiency—precisely the strength of Haier Biomedical's centrifuges.

Centrifuge: Smart Technology Safeguarding Every Step of Research



Benchtop Centrifuge

• **High Throughput, Greater Efficiency (LX-1557500R):** Equipped with sealed swing buckets that prevent aerosol contamination, the centrifuge supports samples ranging from 0.2 to 500 ml. Multiple rotors and adapters provide flexibility across applications—from micro-sample tests to large-scale preparations, delivering higher capacity and improved productivity.

• **Automatic Cap Removal, Increased Convenience and Safety (LX-607500-J, LX-607500R):** Featuring automatic cap-removal technology, it detaches tube caps immediately after each run, saving researchers time and effort, and eliminating the risk of contamination and safety hazards associated with manual cap removal. This automation enhances operational safety while ensuring experimental accuracy and reliability.

• **Quiet and Efficient Operation Optimizes Lab Environment (LX-1557500R):** With multi-level vibration damping, noise-reduction technologies, and a low-center-of-gravity design, it maintains noise levels below 55 dB even at top speed, ensuring a quieter laboratory environment with little noise.



The successful deployment of Haier Biomedical centrifuges at the Westmead Institute reflects the company's growing contribution to scientific advancement and carbon emissions, directly supporting the intelligent system management, and from sample integrity to innovation-driven laboratory solutions. Moving forward, the company aims to deepen collaboration with research institutions globally, leveraging technology to advance human health and medical progress to new heights.

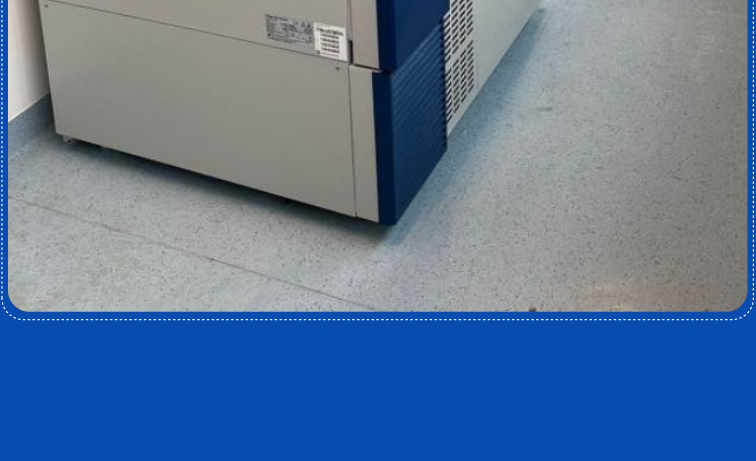
HB's -150°C Cryo Freezer Enters the University of Miami

Recently, Haier Biomedical's -150°C Cryo Freezer has officially been deployed at the University of Miami in the United States. With its extremely low temperature and exceptional reliability, it is providing vital support for the scientific research efforts of this world-renowned institution.



Partnering with a Top-Tier University to Strengthen Scientific Research Foundations

The University of Miami is a globally top-ranked research university, spearheading international advancements in cutting-edge fields such as molecular biology and genomics. In these research areas, ensuring the proper preservation of high-quality samples demands the highest standards in temperature stability, safety, and reliability of cryogenic storage equipment.



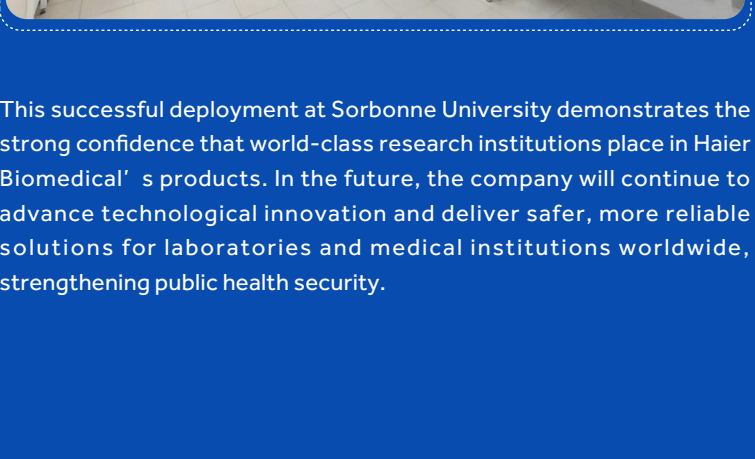
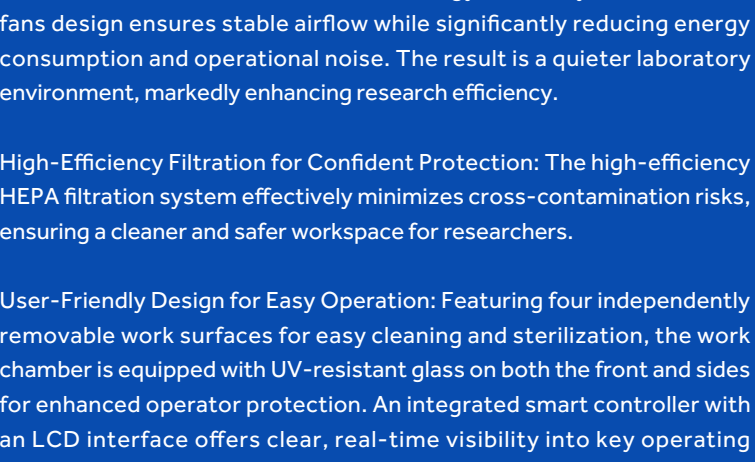
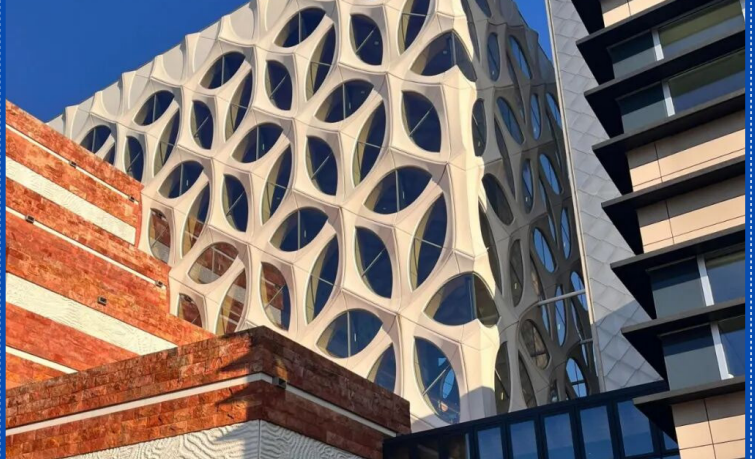
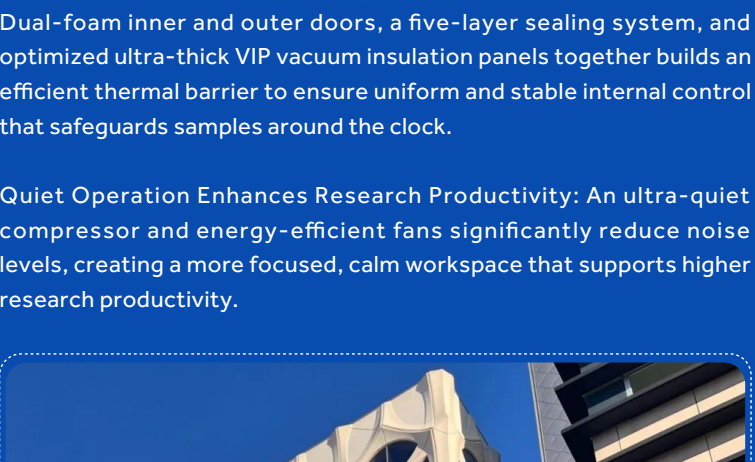
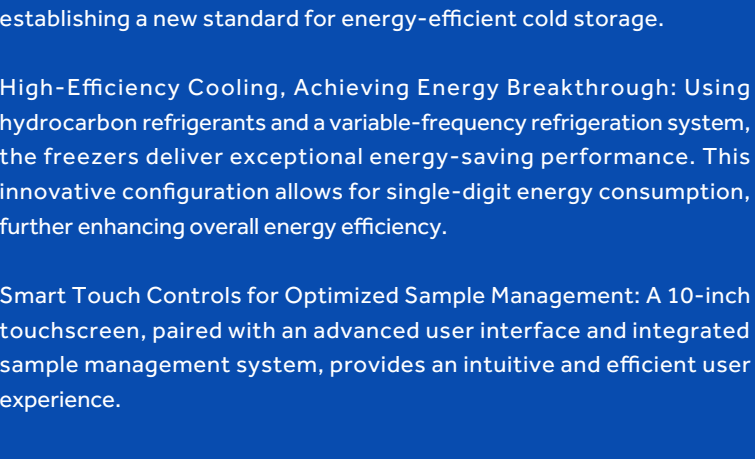
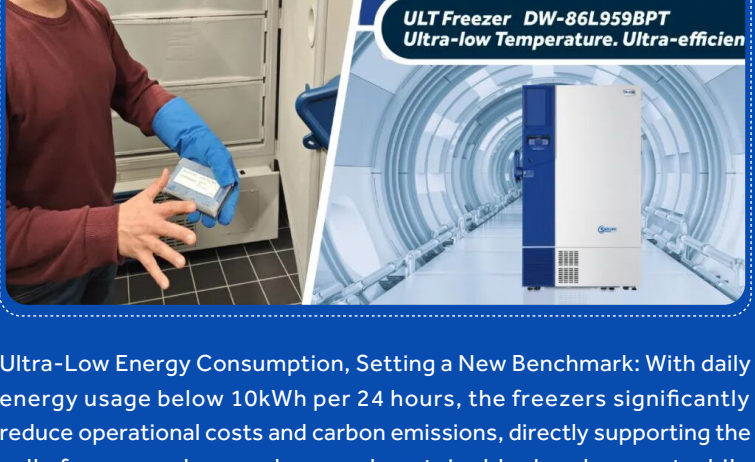
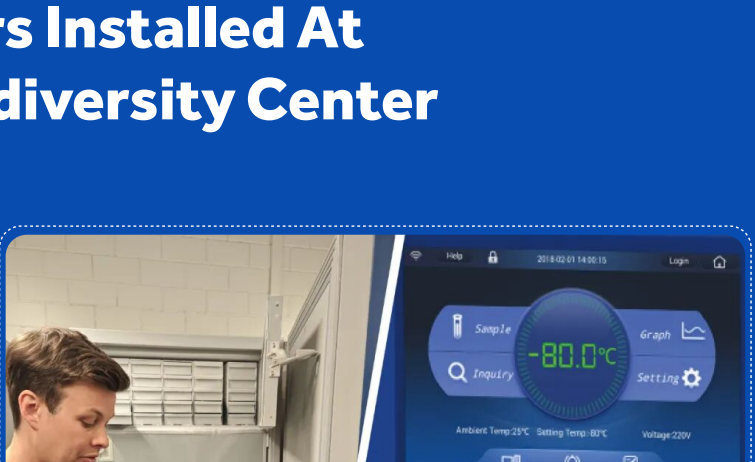
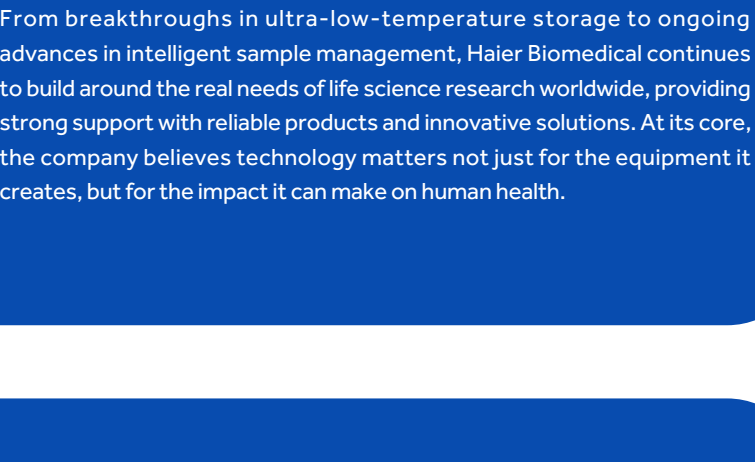
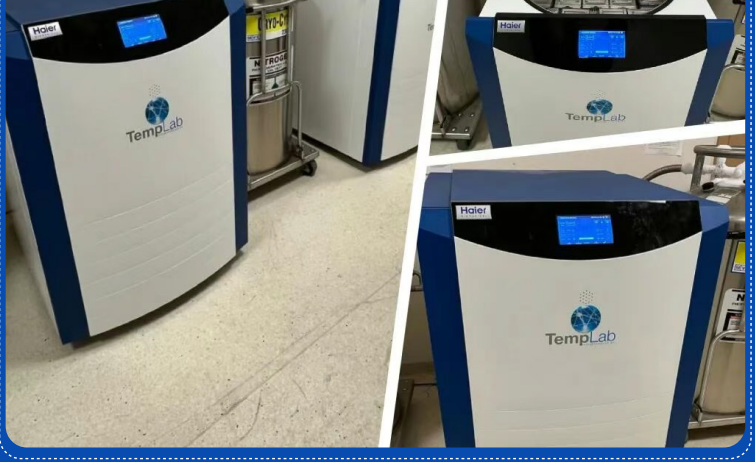
When Consistency Matters: Haier Biomedical Cryo Solutions

Driven by an unwavering commitment to excellence in scientific research quality, the University of Miami, following a rigorous selection process, ultimately chose Haier Biomedical's -150°C Cryo Freezer to establish a solid foundation for its scientific endeavors.



Empowered by Cutting-Edge Technology, Setting New Standards in Storage

In response to the stringent demands of scientific research, Haier Biomedical's -150°C Cryo Freezer demonstrates proven strength and reliability, earning trust as a dependable "Cryogenic Guardian".

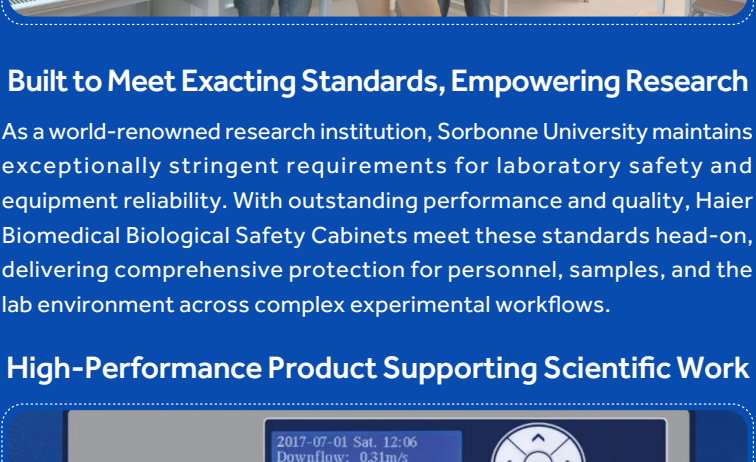
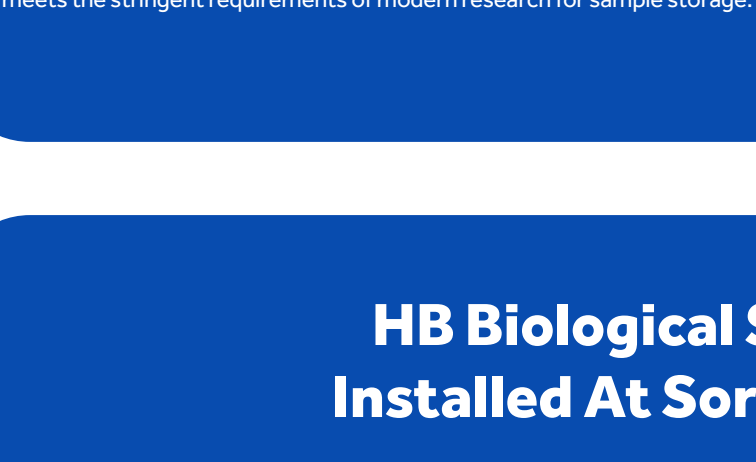
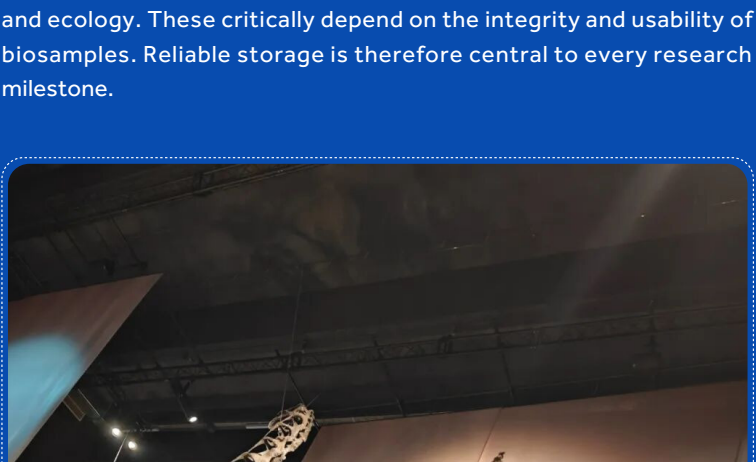
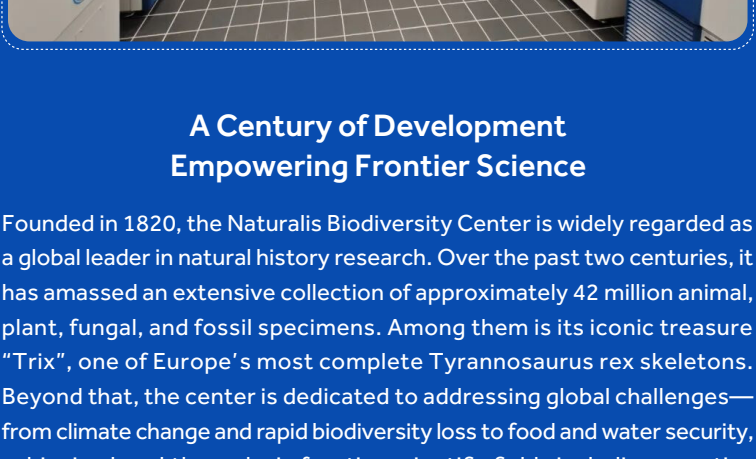


Green & Energy-Efficient, Leading the Low-Carbon Movement: Utilizing hydrocarbon refrigerants and polyurethane foam insulation, the freezer embodies a commitment to green, sustainable development, achieving an optimal balance between high-efficiency cooling and energy-saving operation.

Uniform Deep Cooling: Preserving Sample Activity: The temperature uniformity inside the chamber is controlled within $\pm 5^{\circ}\text{C}$, ensuring that every inch of storage space remains uniformly and stably ultra-cold, providing comprehensive and reliable protection for the samples.

Quiet Operation, Enhancing Research Focus: With an optimized system and structure, the -150°C Cryo Freezer operates at a noise level of just 55 dB(A), creating a quiet, distraction-free working environment for researchers and protecting the continuous flow of scientific inspiration.

Comprehensive Protection, Prioritizing Safety: Equipped with multiple alarm functions—high/low temperature monitoring, power failure, door ajar, condenser overheating, low battery, and sensor malfunction—the freezer guarantees the safety of both samples and data.



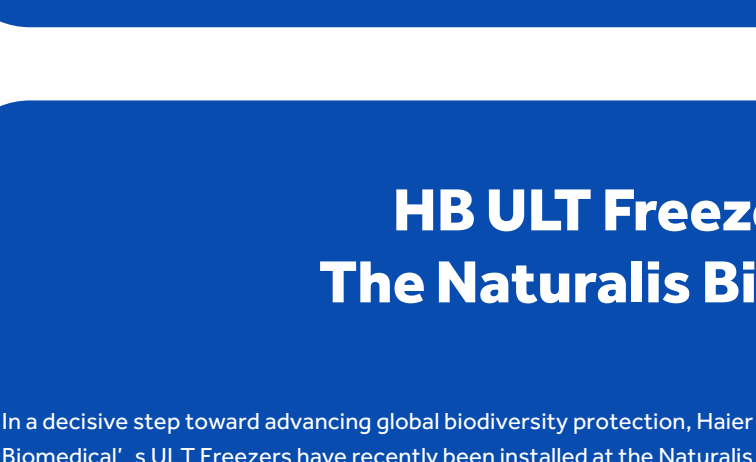
Haier Biomedical's Cold Chain Storage Portfolio Gains Momentum

The reliability of every piece of equipment in life science and biopharmaceutical labs directly shapes the future of human health. As the leading player in the biomedical industry, Haier Biomedical is delivering a suite of low-temperature storage solutions to top research institutes and biopharmaceutical companies worldwide, strengthening sample security, improving energy performance, and elevating laboratory efficiency with cutting-edge technology.



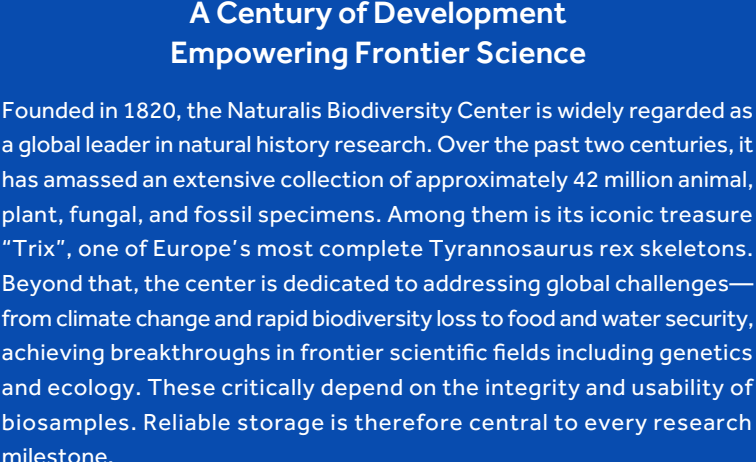
TwinCool Frequency Conversion ULT Freezer DW-86L728BPST High efficiency and low noise dual-system technology

Equipped with a hydrocarbon refrigeration system and intelligent frequency conversion technology, Haier Biomedical TwinCool Frequency Conversion ULT Freezer reduces energy consumption by up to 50% compared with conventional models. Its independent dual cooling systems ensure continuous sample protection, while noise-reduction engineering and structural optimization keep operation as low as 42dB(A), helping create a quieter, more focused lab environment.



-40°C Biomedical Freezer DW-40L959BPT Uniform temperature control for energy-efficient storage

At a -40°C set point, the freezer keeps interior temperatures stable within $\pm 3^{\circ}\text{C}$, ensuring consistent sample storage. A high-efficiency inverter compressor and optimized refrigeration cycle deliver strong energy performance even in low-temperature environments, guaranteeing safe storage while enabling laboratories to realize green and low-carbon operations.



Liquid Nitrogen Container CryoBio 20Z Easy access with intuitive monitoring

The container features a full hydraulic lift lid for easy and quick sample access, significantly improving work efficiency. The new intelligent monitoring system and IoT module connect to a big data cloud platform for real-time monitoring and management, creating a smarter, safer, and more streamlined sample management workflow.



Liquid Nitrogen Container Smart Storage at Your Fingertips

From breakthroughs in ultra-low-temperature storage to ongoing advances in intelligent sample management, Haier Biomedical continues to build around the real needs of life science research worldwide, providing strong support for the biomedical industry. Haier Biomedical's commitment to sustainable development, moving forward, the company will continue delivering reliable cryogenic storage solutions that safeguard Earth's biodiversity and support a future in which humanity and nature coexist in balance.

