IRIS ANALYTICAL

REFRIGERATORS & ULTRA-LOW FREEZERS



cs@irisanalytical.com

+1 706 760 4500

www.irisanalytical.com



We have a robust design and official equipment, Upright Freezers -25℃ of top-quality products that need a minimum of routine maintenance and are produced by high-volume procedures. Our Upright Freezers features with organization shelves and baskets, and require very less space to install. Build-in refrigeration system, which is high-efficiency and eco-friendly along with condenser designed to maintain temperature stability and refrigeration system reliability. Equipped with an audible and visual alarm system including sensor failure alarm, door-opening alarm, high temperature or low-temperature alarm, etc. makes it safer for storage; the turn-on delay and stopping interval defense function can ensure reliability in function mode.

Design to protect products sample to accommodate large volumes samples by providing a range of single door and double door upright freezers and available with operating temperature range up to -10 to -25°C to fit your requirements.

Upright Biomedical Freezers -25? IUMF-100

Upright Biomedical Freezers -25℃ IUMF-100 is a single door upright freezer with high energy and temperature precision technology available with maximum capacity up to 270L. Built-in doors sealing, dust-proof, easy to clean functions with maximum storage space. The system materials are ABS engineering plastic liner with adjustable front screws that facilitate easy movement. They are ideal for research applications, storage of low-temperature materials, and cryopreservation of blood plasma, vaccines, and other biological products. These biomedical freezers provide stable temperatures from -10 to -25°C. Features include digital temperature display, temperature, microcomputer temperature control, compressor and condenser, 7 drawers, thermal insulating foamed door, alarm system, and password protections that provide the most reliable preservation system.



- Equipped with a broad range of capacity:270L
- Microprocessor-based temperature controller
- Temperature Range: -10 to -25°C
- Digital display with the high precision value
- Equipped with compressor, fan electromotor with EBM and unique refrigeration circulation and unipolar compressor oil-lubricated technology
- Multiple alarm and back-up battery
- Eco-friendly refrigerators: R600a
- D-form copper tube and Coil evaporator
- Covering with PCM and Aluminum plate with spraying
- Lower energy consumption and heat emission cost with low noise level
- Standard USB for data transfer and storing information
- Build-in thermal insulating foamed door to prevent loss of refrigerating capacity in an effective way
- CFC-free polyurethane material to improve heat insulating performance to a large extent
- Compatible with an audible and visual alarm system
- Provide keyboard lock function to prevent any adjustment of operating parameters without access
- Equipped with door locking, improving the security of sample storage

Upright Biomedical Freezers -25? IUMF-200

Upright Biomedical Freezers -25℃ IUMF-200 have been designed to maintain a temperature range of -10°C to -25°C**.** Single door low-temperature freezer as they contain shelves and draws, letting foods to be quickly sorted. Available with maximum capacity up to 263L, and 322 L. Equipped with automatic magnetic sealed door closes to ensure and heightens the refrigeration performance and operational reliability, and password protection to control operating parameters from being modified, Robust and durable framing, antibacterial powdered inner and outer surface, refrigeration system uses highly efficient and eco-friendly and fluorine-free refrigerant. Rechargeable battery, which can display the main information such as alarm and the internal temperature of the cabinet when the main power is cut off and mechanical lock to ensure safety.



Cooling System

- Upright single door comes with stable and consistent internal cabinet temperature, with fast temp recovery after opening and closing the door
- Available temperature range: - 10°C to - 25°C
- Polyurethane foam insulation with thickness up to 80 mm
- Evaporator copper tube embedded in a foam layer to prevent corrosion and to ensure heat transfer efficiency
- Special designed compact finned condenser for better efficiency
- Independent inner door to minimize leakage of cold air, ensuring uniform temperature within the refrigerator
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Safety

- The magnetic sealed door automatically closes to ensure and heightens the refrigeration performance and operational reliability
- Password protected control setting to prevent any unnecessary operating parameters from being modified Sturdy and durable overall frame structure
- Antibacterial powdered inner and the outer surface
- Refrigeration system uses highly efficient and environmental friendly fluorine-free refrigerant
- Controller equipped with a rechargeable backup battery, which can display the main information such as alarm and the internal temperature of the cabinet when the main power is cut off
- Built-in mechanical lock to ensure the safety of stored items
- Built-in Castors for easy relocation when needed
- Safe mode activates in the event of temperature sensor failure, ensuring the safe storage of items in the box

Temperature control and safety monitoring

- Come with a temperature accuracy of 0.1°C and alarm mode: buzzer and flashing lights
- Digital temperature display
- High and Low temp, doors alarm, Power failure alarm
- The record displays Date, Time, Min, and Max Temp.
- The controller displays real-time temperature and alarm codes for easy use Ease of Operation
- Standard testing ports on the right side for easy access to external test tools
- Castors wheels for ease of moving
- Door frame can be heated to reduce condensation
- Adjustable shelvings and Dip-treated shelf, effective in preventing rust and corrosion
- Buzzing alarm can also be set to mute if required
- A backup battery is charged while the refrigerator is in operation and its reusable characteristics minimize the

adverse effects on the environment.

- Displays the real-time operating status of the refrigerator on larges screen of the controller for easy of reading

Upright Biomedical Freezers -25? IUMF-300 Series

Upright Biomedical Freezers -25℃ IUMF-300 Series advanced microprocessor temperature control and manual defrosting**,** design with maximum capacity up to 268 L, 278 L, and 328 L with a temperature range of -10°C to -25°C by offering excellent temperature uniformity and stability. Build-in inner door to avoid more cooling leaking out, and provide more stable inside temperature performance and complete temperature alarm system featuring. Used to stores vaccines, blood plasma, and many other biological products. Features cooling fan for instrument safety, durability, and endurance purposes. The range of upright biomedical freezers storage products will permit you to choose the perfect match to meet your requirements through cost and energy saving.



- Our IUMF-300 series are chemically stable and maintain durability, commercially available and eco-friendly, safe refrigerant
- Provide high-density CFC and Free urethane foam insulation making instrument more rigid and strong, stable storage temperature.
- Temperature can be controlled using a microprocessor
- Digital display with adjustable temperature range: -10°C to -25°C
- Accommodate LED digital display for clear observation
- Build-in inner door to avoid more cooling leaking out, and provide more stable inside temperature performance
- Provide easy door opening with upright side door and handle limit door hinge to prevent a collision when door open
- Lockable caster design for customer to move as needed
- Wide voltage tolerance design with an applied voltage range of 187 to 242 V/AC
- Two types of alarm indications: audible buzzing and visible flashing light.
- Adopt alarm for different function: alarms including high and low temperature, sensor error, power off, temperature controller malfunction, door ajar, power failure protect: the device would be attacked by the high current when all devices restart simultaneously, the start-delay function would protect the device from the damage
- Regulator and control password protection function to avoid unwanted access

Accessories

- Caster
- Test hole
- Remote alarm
- RS232N485connector

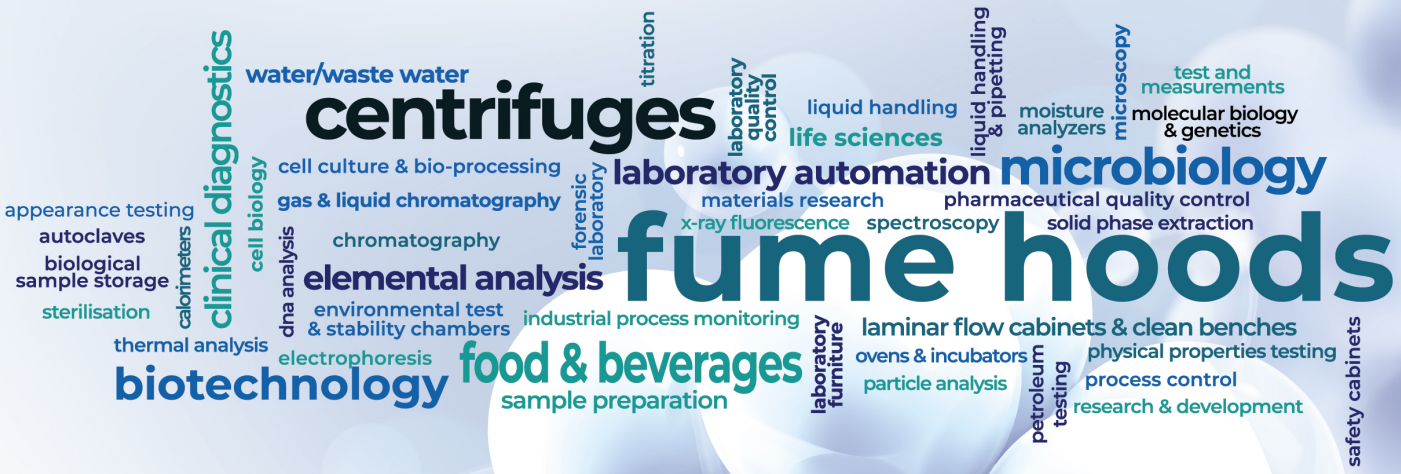
Double Door Medical Freezers -25? IUMF-200D

Double Door Medical Freezers -25℃ IUMF-200D solid double door freezer with dual compressors and chambers, which allows you to control the upper chamber and lower chamber autonomously. Provide maximum capacity up to 450L, advanced microcomputer temperature control system to set the inner temperature at the range of -10°C to -25°C. The built-in door sealing to maintain a constant temperature in the inner chamber and is easy to clean. This lower temperature freezer is best for the storage of various medical and scientific materials, including blood plasma, reagent, and more.



- Equipped with a broad range of capacity:450 L
- Microprocessor-based temperature controller
- Temperature Range: -10 to -25°C
- Digital display with the high precision value
- Equipped with compressor, fan electromotor with EBM and unique refrigeration circulation and unipolar compressor oil-lubricated technology
- Multiple alarm and back-up battery
- Eco-friendly refrigerators: R600a
- D-form copper tube and Coil evaporator
- Covering with PCM and Aluminum plate with spraying
- Lower energy consumption and heat emission cost with the low noise level
- Standard USB for data transfer and storing information
- Build-in thermal insulating foamed door to prevent loss of refrigerating capacity in an effective way
- CFC-free polyurethane material to improve heat insulating performance to a large extent
- Compatible with an audible and visual alarm system
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