

# REFRIGERATORS & ULTRA-LOW FREEZERS



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Iris laboratory refrigerators and freezers provide excellent temperature uniformity, significantly reducing sample loss and reducing maintenance. Through customisable features and ergonomic design, we can help you store your research in confidence.

Total sample protection and integrity are as important to us as they are to you, which is why we continually strive to provide the most elite line of low temperature freezers, ultra-low temperature freezers in temperatures of -25°C, -40°C, -65°C, -86°C, -105°C, -135°C, -152°C and -164°C.

All of our low temp and ultra-low temp freezers are ideal for long term storage of whole blood, clinical plasma, serum, cell lines, sensitive stem cells, and other biological samples. These freezers are specifically designed to securely store your most critical samples while saving you valuable lab space with their small footprint. They are available in a wide range of sizes and come standard with an innovative refrigeration system, heavy-duty cabinet construction and state-of-the-art control system. External monitoring systems can also be retrofitted for proper observance of environmental conditions, internal temperatures and freezer performance, ensuring peace-of-mind to the researcher.

## Ultra-Low Freezers

Iris Ultra-low Freezers provide excellent temperature uniformity, significantly reducing sample loss and reducing maintenance. Through customisable features and ergonomic design, we can help you store your research in confidence.



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## Medical Freezers -25°

All of our large upright and chest medical refrigerators offer a huge amount of interior space but deprived of taking extra space in your medical research and other procedure.



We have a range of Medical Freezers -25°C suited for storing blood plasma, the reagent in hospitals, clinics, health and disease prevention systems, blood banks, laboratories in colleges & universities, food industry and supplying industry, etc. Medical Freezers -25°C line are further divided into two subcategories: Upright Biomedical Freezers -25°C, and Chest Type Medical Freezers which are also suited for medical and storage of fresh and frozen blood supplies for hospital and research used. Our Upright Freezers -25°C freezers are easier to organize because they have shelves and designed with two compressors and two chambers, which allows you to control the upper chamber and lower chamber autonomously. We build Chest freezers with extra usable space as compare to other freezer and air doesn't mix as much in a chest freezer to avoid freezer burn better than uprights.

## Upright Freezers -25?

We have a robust design and official equipment, Upright Freezers -25°C 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°C 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°C 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°C IUMF-300 Series

Upright Biomedical Freezers -25°C 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

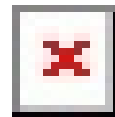
Double Door Medical Freezers -25°C IUMF-200D solid double door freezer with dual compressors and chambers, which allows you to control the upper chamber and lower chamber autonomously. Provide maximum capacity up to 450L, advanced microcomputer temperature control system to set the inner temperature 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
- Provide keyboard lock function to prevent any adjustment of operating parameters without access
- Equipped with door locking, improving the security of sample storage

## Chest Freezers -25?

We have certified models across a range of product types and dimensions, permitting purchasers to find best products with the appropriate features for their sample needs. Our Chest Freezers -25°C designed with more storage capabilities and energy-efficient, and available at affordable prices. Equipped with eco-friendly and freon-free refrigeration systems with high-efficiency compressors to ensure energy-saving and low noise. The condenser installed on the bottom ensures temperature stability and system reliability.



## Chest Type Medical Freezers -25°C ICMF-100 Series

Chest Type Medical Freezers -25°C ICMF-100 Series is a horizontal box-shaped freezer with a lid on the top. Compatible with CFC-free polyurethane foam technology and insulating door for better effect of thermal insulation. Available in 3 different mass with maximum capacities about 226 L, 358L, and 508 L. Suitable for laboratory and medical application and best for storage of special materials, blood plasma, and vaccine and biological products. Provide a battery-based alarm system for audible and visual alarm signals during electrical failure or short circuits. The alarm has an over and under temperature setting, alarm silencing switch, and battery test switch. The construction chamber is PCM internal and cold rolled steel plate with spraying external finish.



- Equipped with a broad range of capacities: 226 L, 358 L, 508 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: R290a
- 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 the 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
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## Chest Type Medical Freezers -25° ICMF-200 Series

Chest Type Medical Freezers -25°C ICMF-200 Series design for a large amount of freezer storage, the available maximum capacities are 105 L and 485 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. Built-in wheel casters to provide adjustable support safest and secure unit on any rough surface. Features cooling fan for instrument safety, durability, and endurance purpose. The range of medical freezers storage products will permit you to choose the perfect match to meet your requirements through cost and energy saving.



- Our ICMF-200 series are chemically stable and maintain durability, commercially available and eco-friendly, safe refrigerant
- Available in two models: single door chest and double door chest freezer
- 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 applicable 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
- Foot
- Test hole
- USB connector
- Remote alarm
- RS232N485connector
- CO2 backup system

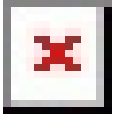
## Deep Freezers -40°

The Iris Deep Freezers -40°C offers a stable deep and low-temperature storage condition with range up to -20°C to -40°C. This unit is complied with a cold shelf and evaporator to provide additional refrigeration efficiency. Built-in door sealing to maintain internal temperature and is easy to clean. They are specially designed for medical and scientific applications, including blood plasma, reagent, etc.



## Upright Deep Freezers -40?

We have a robust design and official equipment, Upright Freezers -40°C 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 -20°C to -40°C to fit your requirements.

## Upright Deep Freezers -40° IUDF-200 Series

Upright Deep Freezers -40°C IUDF-200 Series is well organized single door low-temperature freezer as they contain shelves and draws, letting foods to be quickly sorted. The maximum capacities up to 263L and 322L with a temperature range of -30°C to -40°C. 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. Furnished with a 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 Built-in 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: - 30°C to - 40°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

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

## Double Door Deep Freezers -40° IUDF-200D

Double Door Deep Freezers -40°C IUDF-200D is a double door with dual compressors and chambers, which allows you to control the upper chamber and lower chamber autonomously. Our IUDF-200D is energy efficient, noiseless, and reliable which combines the maximum consistency and higher working performance with cost-effective operation and advanced features. The maximum capacity is up to 450L. Microcomputer temperature control system to set the inner temperature at the range of -20°C to -40°C. The built-in protective seal door to maintain a constant temperature and is easy to clean. The low temp freezer is best for the storage of various medical and scientific materials, including blood plasma, reagent, and more.



- Equipped with a broad range of capacities: 531 L
- Microprocessor-based temperature controller
- CE certified
- Temperature Range: -10 to -40°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: R290
- Available with the door lock, inventory boxes, insulation, shelves, ampoule, casters, compressor, fan motor
- Lower energy consumption and heat emission cost with the low noise level
- Covering with PCM and Aluminum plate with spraying and ABS drawers
- 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 the audible and visual alarm system
- Provide keyboard lock function to prevent any adjustment of operating parameters without access
- Equipped with the opaque door handle to prevent damage during transportation and save space

## Chest Deep Freezers -40?

We have certified models across a range of product types and dimensions, permitting purchasers to find best products with the appropriate features for their sample needs. Our Chest Freezers -40°C designed with more storage capabilities and energy-efficient, and available at affordable prices. Equipped with eco-friendly and freon-free refrigeration systems with high-efficiency compressors to ensure energy-saving and low noise. The condenser installed on the bottom ensures temperature stability and system reliability.



## Chest Deep Freezers -40° IUDF-100 Series

Chest Deep Freezers -40°C IUDF-100 Series single door chest freezer with high energy and temperature precision technology available with maximum capacities: 90 L, 270L, and 531 L. Built-in door sealing, dustproof and easy to clean. The system material is ABS engineering plastic liner. The adjustable front screws facilitate easy movement. Suitable for hospitals, clinics, health and disease prevention systems, blood banks, laboratories in colleges & universities, the frozen food industry and catering industry, etc.. These deep freezers provide stable temperatures from -20°C to -40°C. Features include opaque door handle, digital temperature display, temperature, microcomputer temperature control, compressor and condenser, 3-7 drawers, thermal insulating foamed door, alarm system, and password protection that provide most reliable preservation system.



- Equipped with a broad range of capacities: 90L, 270L, and 531 L
- Microprocessor-based temperature controller
- CE certified
- Temperature Range: -10 to -40°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, R290, R507
- Available with a door lock, inventory boxes, insulation, shelves, ampoule, casters, compressor, fan motor
- Lower energy consumption and heat emission cost with the low noise level
- Covering with PCM and Aluminum plate with spraying and ABS drawers
- 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
- Provide keyboard lock function to prevent any adjustment of operating parameters without access
- Equipped with the opaque door handle to prevent damage during transportation and save space

## Low-Temperature Freezers -60?

The -60°C freezer feature offers the most flexible solution in the market today. This is especially designed for long term storage of sample with a temperature range up to -30°C to -60°C. This unit is compiled with a cold shelf and an evaporator unit that provides additional refrigeration efficiency and flexibility. Built-in door sealing to maintain internal temperature and is easy to clean. They are ideal for hospitals, clinics, health and disease preve



## Low-Temperature Upright Freezers -60°

We have a robust design and official equipment, Upright Freezers -60°C 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 -30°C to -60°C to fit your requirements.

## Low-Temperature Upright Freezers -60° ILUF-1000 Series

Low-Temperature Upright Freezers -60°C ILUF-1000 Series design for storage of product at low temperature, the available capacity 50 L with a temperature range of -25°C to -60°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 purpose. The range of upright freezers storage products will permit you to choose the perfect match to meet your requirements through cost and energy saving.



- Our ILUF-1000 is chemically stable and maintain durability, commercially available and eco-friendly, safe refrigerant
- Available in two models: single door upright freezer
- 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: -25°C to -60°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
- Two types of alarm indications: audible buzzing and visible flashing light.
- Regulator and control password protection function to avoid unwanted access
- Accessories are: casters and testing hole

### Accessories

- Castor
- Inside door
- Test hole QTY/diameter
- USB port
- Temperature recorder

## Low-Temperature Chest Freezers

We have certified models across a range of product types and dimensions, permitting purchasers to find best products with the appropriate features for their sample needs. Our Chest Freezers -60°C designed with more storage capabilities and energy-efficient, and available at affordable prices. Equipped with eco-friendly and freon-free refrigeration systems with high-efficiency compressors to ensure energy-saving and low noise. The condenser installed on the bottom ensures temperature stability and system reliability.



## Low-Temperature Chest Freezers -60? ILCF-1000 Series

Low-Temperature Chest Freezers -60°C ILCF-1000 Series available with maximum capacity up to 150 L, 270 L, and 360 L with a password protection system to prevent unwanted access. Equipped with two-layer heat insulating foamed door and the insulation design of the outer door system with multiple patents can prevent loss of refrigerating capacity in an effective way. Six sides of the cabinet are made from high-performance vacuum insulation material, improving thermal insulation performance to a large extent.



### Optional Accessories

- Coated Hanging Basket
- Foaming Lid

## Low-Temperature Chest Freezers -60°C ILCF-2000 Series

Low-Temperature Chest Freezers -60°C ILCF-2000 Series design for large amounts of freezer storage, the available maximum capacities: 105 L and 485 L with a temperature range of -25°C to -60°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 purpose. The range of medical freezers storage products will permit you to choose the perfect match to meet your requirements through cost and energy saving.



- Our ILCF-2000 series are chemically stable and maintain durability, commercially available and eco-friendly, safe refrigerant
- Available in two models: single door chest and double door chest freezer
- 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: -25°C to -60°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
- Regulator and control password protection function to avoid unwanted access

### Accessories

- Castor
- Inside door
- Test hole QTY/diameter
- USB port
- Temperature recorder
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## Ultra-Low Freezers -86°/-152°/-164°

Ultra-Low Freezers -86°C/-152°C/-164°C best for cryogenic sample product by offering cold storage and research solutions to protect a wide array of sample types and larger range of storage conditions from 4°C high-performance laboratory refrigerators to -164°C cryogenic freezers. Design to protect products sample to accommodate large volumes samples by providing a range of ultra-low upright and ultra-low chest freezers with an operating temperature range up to -80 to -164°C to fit your requirements.



Our Upright Freezers are a reliable storage tool for many customers all around the world, offering ultra-low temperature storage with advanced refrigeration systems. The ultra-low temperature freezer maintains a low noise level. This versatile, low energy consumption freezer has a battery backup for audible alarm and temperature display in case of power failure.

Ultra-Low Chest Freezers -86°C/-152°C/-164°C design and established with precaution to focus on each feature of the product, ensuring that each and every part of instruments works together to create an optimized system. Provide benefits to go beyond what you can see and comprise with design essentials that guarantee the best performance of our products. Accommodate large volumes samples by providing a range of Ultra-Low chest freezers and available with an operating temperature range up to -86°C/-152°C/-164°C to fit your requirements.

## Ultra-Low Upright Freezers -86°/-152°/-164°

Our Upright Freezers are a reliable storage tool for many customers all around the world, offering ultra-low temperature storage with advanced refrigeration systems. The ultra-low temperature freezer maintains a low noise level. This versatile, low energy consumption freezer has a battery backup for audible alarm and temperature display in case of power failure.



Ultra-Low Upright Freezers -86°C/-152°C/-164°C design and established with precaution to focus on each feature of the product, ensuring that each and every part of instruments works together to create an optimized system. Provide benefits to go beyond what you can see and comprise with design essentials that guarantee the best performance of our products. Accommodate large volumes samples by providing a range of Ultra-Low upright freezers and available with an operating temperature range up to -86°C/-152°C/-164°C to fit your requirements.

## Ultra-Low Upright Freezers -86° IUUF-2000

Ultra-Low Chest Freezers -86°C IUUF-1000 Series use the best and reliable refrigeration technology and have been designed to occupy less floor space and provide available maximum capacities are: 50 L, 100 L, 138 L, and 328 L with a temperature range of -40°C to -85°C by offering excellent temperature uniformity and stability. This ultra-low temperature freezer designed with a lockable door to prevent unauthorized access. It has the feature of delayed start and safe stop interval between restart and being terminated. Used in hospitals, blood banks, health, colleges and universities, research application, industries, laboratories. The range of ultra-low freezers storage products will permit you to choose the perfect match to meet your requirements through cost and energy saving



- Come with cold-rolled plate with powder-coated painting to ensure anti-corrosion and durability
- Construction material: SS304 stainless steel inner chamber for easy clean
- Adjustable and removable stainless steel shelves easy for setting different samples and clean the chamber
- Polyurethane foam insulation come with 126 mm thick to minimize temperature lose
- Independent inner doors to minimize cold air leakage
- Magnetic door seal to ensure optimal sealing of the door to the fridge
- Castors wheels for easy relocation when needed
- Touch screen for easy operation, user rights setting to ensure the safety of sample

### Optional Accessories

- Standard racks & boxes, one-stop equipment
- Extra interior chamber temperature probe
- Voltage stabilizer
- Chart recorder  $\geq 7$  days' data can be stored

## Ultra-Low Upright Freezers -86° IUUF-2000 Series

Ultra-Low Upright Freezers -86°C IUUF-2000 Series design with a cascade refrigeration system that uses two kinds of refrigerants having different boiling points, which run through their own independent freezing cycle and are joined by a heat exchanger. Features with filter for easy cleaning and single hand openable, Gasket heating, leveling caster, etc. Available with maximum capacity up to 390 L 490 L, 650 L with a temperature range of -50 to -86°C.



## Ultra-Low Upright Freezers -86° IUUF-3000 Series

Ultra-Low Upright Freezers -86°C IUUF-3000 Series provide benefits to go beyond what you can see and comprise with design essentials that guarantee the best performance of our products. The available capacities are 50 L, 188 L, 340 L, 408 L, 588 L, and 838 L with a temperature range of -40°C to -85°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 purpose. 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 IUUF-3000 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: -40°C to -85°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
- Regulator and control password protection function to avoid unwanted access
- High-performance VIP insulation panels to minimize cabinet heat gain and to improve temperature stability.
- Settable high temperature and low-temperature alarms.
- Automatic clean-filter alarm and sensor error alert.
- Adjustable storage shelf height
- Optional temperature recorder. storage racks and storage box

### Optional Accessories

- Castor
- Inside door
- Test hole QTY/diameter
- USB port
- Chart recorder
- Data logger
- Power failure backup system(alarm)
- Remote alarm port
- CO2 back up system
- LN2 back up system

## Ultra-Low Upright Freezers -86° IUUF-4000 Series

Ultra-Low Upright Freezers -86°C IUUF-4000 Series is the same as IUUF-3000, the only difference is there temperature work under -60°C to -85°C and -40°C to -85°C. The available capacities are 338 L, 408 L, 588 L, 688 L, 728 L, and 838 L with a temperature range of -60°C to -85°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 purpose. 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 IUUF-4000 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: -60°C to -85°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
- Regulator and control password protection function to avoid unwanted access
- High-performance VIP insulation panels to minimize cabinet heat gain and to improve temperature stability.
- Settable high temperature and low-temperature alarms.
- Automatic clean-filter alarm and sensor error alert.
- Adjustable storage shelf height
- Optional temperature recorder. storage racks and storage box

### Optional Accessories

- Castor
- Inside door
- Test hole QTY/diameter
- USB port
- Chart recorder
- Data logger
- Power failure backup system(alarm)
- Remote alarm port
- CO2 back up system
- LN2 back up system

## Ultra-Low Upright Freezers -86° IUUF-4000D Series

Ultra-Low Upright Freezers -86°C IUUF-4000D Series design with the dual system: one for breaks down, the other system for continue working to get temperature -80°C. The available capacities are 408 L, 588 L, and 838 L with a temperature range of -40°C to -85°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 purpose. 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.



- Dual system: one for breaks down, the other system for continue working to get temperature -80°C.
- 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: -40°C to -85°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
- Regulator and control password protection function to avoid unwanted access
- High-performance VIP insulation panels to minimize cabinet heat gain and to improve temperature stability.
- Settable high temperature and low-temperature alarms.
- Automatic clean-filter alarm and sensor error alert.
- Adjustable storage shelf height
- Optional temperature recorder. storage racks and storage box

### Optional Accessories

- Castor
- Inside door
- Test hole QTY/diameter
- USB port
- Chart recorder
- Data logger
- Power failure backup system(alarm)
- Remote alarm port
- CO2 back up system
- LN2 back up system

## Ultra-Low Chest Freezers -86°/-152°/-164°

Ultra-Low Chest Freezers -86°C/-152°C/-164°C design and established with precaution to focus on each feature of the product, ensuring that each and every part of instruments works together to create an optimized system. Provide benefits to go beyond what you can see and comprise with design essentials that guarantee the best performance of our products. Accommodate large volumes samples by providing a range of Ultra-Low chest freezers and available with an operating temperature range up to -86°C/-152°C/-164°C to fit your requirements.



## Ultra-Low Chest Freezers -86° IUCF-1000 Series

Ultra-Low Chest Freezers -86°C IUCF-1000 Series use the best and reliable refrigeration technology and have been designed to occupy less floor space and provide available maximum capacities are: 50 L, 100 L, 138 L, and 328 L with a temperature range of -40°C to -85°C by offering excellent temperature uniformity and stability. This ultra-low temperature freezer designed with a lockable door to prevent unauthorized access. It has the feature of delayed start and safe stop interval between restart and being terminated. Used in hospitals, blood banks, health, colleges and universities, research application, industries, laboratories. The range of ultra-low freezers storage products will permit you to choose the perfect match to meet your requirements through cost and energy saving.



- Equipped with a broad range of capacity: 50, 100 138 and 328 L
- CE certified
- Microprocessor-based temperature controller
- Temperature Range: -40 to -86°C
- Digital display
- Equipped with compressor, fan electromotor with EBM and unique refrigeration circulation and unipolar compressor oil-lubricated technology
- Multiple alarm and back-up battery
- D-form copper tube and Coil evaporator
- Available with the door lock, inventory boxes, insulation, shelves, ampoule, casters, compressor, fan motor
- Full stainless steel interior for easy cleaning during maintenance and defrost cycles; powder-coated steel exterior
- Lower energy consumption and heat emission cost with the low noise level
- Standard USB
- Eco-friendly refrigerators
- Equipped with RS485 remote contact, storage racks/boxes, CO2 back up system, vacuum isolated panel optional

## Ultra-Low Chest Freezers -86° IUCF-2000 Series

Ultra-Low Chest Freezers -86°C IUCF-2000 Series design for large amounts of freezer storage, the available maximum capacities are: 105 L and 485 L with a temperature range of -40°C to -85°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 with a cooling fan for instrument safety, durability, and endurance purpose. The range of medical freezers storage products will permit you to choose the perfect match to meet your requirements through cost and energy saving.



- Available in two models: single door chest and double door chest freezer
- 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: -40°C to -85°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
- Regulator and control password protection function to avoid unwanted access

## Ultra-Low Chest Freezers -86° IUCF-3000

Ultra-Low Upright Freezers -86°C IUCF-3000 suitable for blood stations, hospitals, health and epidemic prevention system, scientific research institutes, biological engineering, a laboratory in colleges and universities, military-industrial enterprises, etc. Available with maximum capacity up to 668 L. Microcomputer temperature control system to set the inner temperature at the range of -40 to -86°C.



- Equipped with a broad range of capacity: 668 L
- Microprocessor-based temperature controller
- CE certified
- Temperature Range: -40 to -86°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
- Available with the door lock, inventory boxes, insulation, shelves, ampoule, casters, compressor, fan motor
- Lower energy consumption and heat emission cost with the low noise level
- Covering with PCM and Aluminum plate with spraying and ABS drawers
- 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
- Provide keyboard lock function to prevent any adjustment of operating parameters without access

## Ultra-Low Chest Freezers -152°C IUCF-4000

Ultra-Low Chest Freezers -152°C IUCF-4000 with VIP vacuum three-dimensional thermal insulation system and one pole lubrication compressor: refrigeration technology. Secure sample at the ultra-low and cryogenic conditions at -152°C. Equipped with many alarms function Visual & Audio high and low-temperature alarm, High/low voltage, sensor failure alarm, Low battery, Condenser heat dissipation, System failure. Features with single-pole lubricated compressor refrigeration technology for better-quality refrigeration capacity. Allow maximum capacity up to 258 L with a temperature range of -110°C to -152°C by offering excellent temperature uniformity and stability. Available with upright racks, alarm lamp, voltage compensation, remote alarm, and liquid N2 backup system as optional accessories.



- Equipped with VIP vacuum insulation board, tightly locks the cold air
- Equipped with a broad range of capacity classes: 258 L
- Microprocessor-based temperature controller
- Temperature Range: -10 to -152°C
- Digital display
- Multiple alarm and back-up battery
- Coil evaporator
- CE certified
- Assure safety by providing keyboard lock function and password protection function
- Designed with unique secondary foaming technology, and super thick VIP insulation
- Mixture gas refrigerators
- Optional single type upright racks Optional alarm lamp, voltage compensation, remote alarm, and liquid N2 backup system

## Ultra-Low Chest Freezers -164? IUCF-5000

- Full Description



- Specification

Ultra-Low Chest Freezers -164? IUCF-5000 build-in foaming technology, and VIP insulation which greatly improves the insulation effect, VIP vacuum insulation board, tightly locks the cold air to ensure the great insulation effect. Features with single-pole lubricated compressor refrigeration technology for better-quality refrigeration capacity. Allow maximum capacity up to 128 L with a temperature range of -110°C to -164? by offering excellent temperature uniformity and stability. Available with upright racks, alarm lamp, voltage compensation, remote alarm, and liquid N2 backup system as optional accessories.

- Equipped with VIP vacuum insulation board, tightly locks the cold air
- Equipped with a broad range of capacity classes: 128 L
- Microprocessor-based temperature controller
- Temperature Range: -10 to -164°C
- Digital display
- Multiple alarm and back-up battery
- Coil evaporator
- CE certified
- Assure safety by providing keyboard lock function and password protection function
- Designed with unique secondary foaming technology, and super thick VIP insulation
- Mixture gas refrigerators
- Optional single type upright racks Optional alarm lamp, voltage compensation, remote alarm, and liquid N2 backup system

| Model                  | IUCF-5128                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacity               | 128 L                                                                                                                                           |
| Temperature Range      | -110 to -164?                                                                                                                                   |
| Materials              | Internal: structure steel, External: Steel plates with spraying                                                                                 |
| Alarms                 | Visual & Audio high and low-temperature alarm, High/low voltage, sensor failure alarm, Low battery, Condenser heat dissipation, System failure. |
| Type                   | Chest                                                                                                                                           |
| Evaporator             | Coil type evaporator                                                                                                                            |
| Display                | Digital                                                                                                                                         |
| Refrigerant            | Mixture gas                                                                                                                                     |
| Casters                | 6                                                                                                                                               |
| Compressor             | 1 pcs                                                                                                                                           |
| Motor                  | Fan Motor: EBM                                                                                                                                  |
| Ambient Temperature    | 16 to 32°C                                                                                                                                      |
| Certification          | CE                                                                                                                                              |
| Power Consumption      | 4600 W                                                                                                                                          |
| Internal Dimension     | 490×470×585 mm                                                                                                                                  |
| External Dimension     | 1510×985×1120 mm                                                                                                                                |
| Net Weight             | 305 kg                                                                                                                                          |
| Electrical Requirement | 380V/50 Hz                                                                                                                                      |
| Catalogue No.          | 5001050503                                                                                                                                      |

## Refrigerators

We supply Laboratory Refrigerator for storing whole blood, plasma, serum, cell lines, sensitive stem cells, and other biological samples in scientific, medical and laboratory applications. Design with many alarms system, temperature monitoring control systems and many other useful features. Build- in audible buzzing alarm in case of power failure, visual flashing light are optional, and the cabinet is constructed of dual transparent insulated glass door, display interface locking doors, door open alarms and many more.



Our blood bank, medical and pharmacy refrigerator products used in the various areas, which will allow you to access the suitability of many products for a specific application. We not only deal our manufactured products similarly we also offer a range of products from our strategic partners giving you a wide and varied choice of products. To adjust the temperature be sure the system is plugged into the power source.

## Blood Bank Refrigerator

Blood Bank Refrigerator ( $4\pm1^{\circ}\text{C}$ ) is purpose-built to encounter and provide guidelines for storing blood and biological products. Build-in special compressor to provide rapid cooling and quiet performance. Every blood bank refrigerator of Iris has the features for storage of blood product preservation, such as controlled by a microprocessor, flexible storage capacity, and uniformity. These products are used in hospitals, blood banks to maintain freshness and reliability of blood and blood components. Leading to quick pull down, prompt temperature recovery and uniformity, simplify processes and increase accuracy with our high-performance refrigerators.



## Blood Bank Refrigerator IUBR-1000 Series

Blood Bank Refrigerator IUBR-1000 Series used to store blood platelet, biological reagent, and chemical products in hospitals, blood banks, R&D applications. Can record the 2 temperature range including 20 to 24°C and 2 to 40°C when plugged into the power source with a maximum capacity of 5 to 10 L. Intuitive two alarming of audible buzzing and visual flashing light, dual transparent insulated glass door, and display interface provides navigation to feature user interface design easily. It required no defrosting consequently the temperatures inside are preserved and maintained during the storage period. Optional and standard accessories are available.



- Disinfection with UV light and wide voltage from 187 V to 242 V
- Door-activated ON/OFF switch and self-regulating switch on the panel
- Positive, forced-air circulation maintains temperature uniformity throughout
- SUS oscillator, mirror surface SUS shelves, box foamed with high-density non-CFC material
- Equipped with audible buzzing and visual flashing light type alarm system
- High and low-temperature alarms/Sensor error alarm/Power failure alarm/Door ajar alarm/Low battery alarm
- Assure inner temperature uniformity by an intelligent controlled fan with forced cycle system
- Compressor with CFC-free refrigerant and condenser fan
- Evaporator to speed up the cooling process, security, and durability
- Adjustable shelves, increase space utilization; blood storage baskets

### Accessories

- UV Light

### Optional Accessories

- Testing hole
- Temperature Recorder

## Blood Bank Refrigerator IUBR-2000 Series

Blood Bank Refrigerator IUBR-2000 Series equipped with an advanced automatic defrost sensor to manage the defrost cycle with capacities of 4/66 and 12/132 blood bags with volumes of 450 ml. Intuitive two alarming of audible buzzing and visual flashing light, dual transparent insulated glass door, and display interface provide navigation to feature user interface design easily along with 5 alarm conditions including high/low temperature, power failure, voltage abnormal, door ajar, backup battery. Ergonomic design offers a clear view of stored items over large framed openings. The thin shape allows for cool recovery of your products, without the concern for swinging door clearances. Customers can choose from two types of interior shelving to suit their needs, security and safety lock to avoid unwanted access, provide storage space for easy sorting of a variety of blood products, and casters design and interior light.



- Automatic defrost maintains the optimum cooling capacity
- Designed with an acrylic inner small door,
- Door-activated ON/OFF switch and self-regulating switch on the panel also glass door with electric heat reduces condensation
- Excellent battery back up
- Positive, forced-air circulation maintains temperature uniformity throughout
- Regular cabinet temperature up to 2-6°C
- Equipped with audible buzzing and visual flashing light type alarm system
- Multiple alarm system for safe and consistent process
- Assure inner temperature uniformity by an intelligent controlled fan with forced cycle system
- Assure safety by unwanted access
- Caster design and interior light
- Excellent durability and reliability

### Accessories

- 2, 4, 6 inner doors
- Testing hole
- Outdoor latch
- Light
- Thermal printer

### Optional Accessories

- Remote alarm
- Recorder temperature Recorder

## Blood Bank Refrigerator IUBR-3000 Series

Blood Bank Refrigerator IUBR-3000 Series is designed with the unique needs of the blood bank environment in mind and safely store types of blood with high-quality large chamber temperature uniformity and quick recovery with a heavy-duty, air-cooled refrigeration system and AT up to 16 to 32°C, ant 5 to 35°C. The cabinets are constructed with inner stainless steel with outer finishing SPCC steel with powder coating for easy formability and a smooth, clean surface and provide high tensile strength. The available capacities are 88 L, 268 L, 358 L, and 588 L and defrost automatically and blood capacities of 54, 135, 150, and 280 blood bags with volumes of 450 ml. Our IUBR-3000 Series are available in opaque and transparent doors facilities and temperature controlled using a microprocessor for blood storage at a temperature range of  $4\pm1^{\circ}\text{C}$ .



- CE certified series
- Anti-condensation heating function door
- LED, LCD, and digital display
- Available size: 88 L, 268 L, 358 L, and 588 L
- Model No.IBBR-410-268L comes with auto defrost, and force defrost features
- Features with 5 dip-coating shelves and 4 casters for easy moving
- The alarm function is available for audible and visual alarm system comes with alarm functions for high temperature, low temperature, sensor fault, door opening, and power failure
- Eco-friendly Freon free refrigeration
- Advanced air cooling design, precision temperature control, safeguarding the security of blood
- Furnished with stainless steel inner container, copper tube evaporator, powerful refrigeration
- Designed with compressor, EBM fan motor
- Baskets for blood storage and printer optional

### Optional Accessories

- Baskets for blood
- Printer

## Double Door Blood Bank Refrigerator IUBR-4000D Series

Double Door Blood Bank Refrigerator IUBR-4000D Series is engineered for precise temperature control with a range including 20 to 24°C when plugged into the power source with a maximum capacity of 658 L, and 1008 L and defrost automatically and blood capacities of 36/360 and 12/576 blood bags with volumes of 450 ml. Lead with a great forced air R134a refrigeration system with air cooler chiller distribution delivers cold air to different levels within each side of the storage chamber, ensuring consistent cabinet wide cooling.



- Automatic defrost maintains the optimum cooling capacity
- Designed with an acrylic inner small door,
- Door-activated ON/OFF switch and self-regulating switch on the panel also glass door with electric heat reduces condensation
- Excellent battery back up
- Positive, forced-air circulation maintains temperature uniformity throughout
- Regular cabinet temperature up to 2 to 6°C
- Equipped with audible buzzing and visual flashing light type alarm system
- Multiple alarm system for safe and consistent process
- Assure inner temperature uniformity by an intelligent controlled fan with forced cycle system
- Assure safety by unwanted access
- Caster design and interior light
- Excellent durability and reliability

### Accessories

- 2, 4, 6 inner doors
- Testing hole
- Out door latch
- Light
- Thermal printer

### Optional Accessories

- Remote alarm
- Recorder temperature Recorder

## Medical Refrigerator

Our Medical Refrigerator 2 to 20°C solutions enable health care products to get closer to customers and serve the best quality and safety in medical, reagents, biological, vaccine, blood samples in medical, electronics, chemicals, R&D, food processing. Provide a wide array of advanced medical automation and technology; mend patient care, and safety.



## Medical Refrigerator 2 to 20°C IUMR-1000

Medical Refrigerator 2 to 20°C IUMR-1000 embedded with evaporator copper tube in a foam layer to prevent corrosion, to ensure heat transferring efficiency and glass door, different designed compact finned condenser for better efficiency. The maximum capacities of 317 L and defrost automatically. Build-in inner fan-driven and forced-draft air circulation system provide excellent temperature uniformity. Build-in microprocessor controller to certify tolerances of internal temperatures. Equipped with buzzer and flashing lights, power failure alarm, doors open alarm, high and low-temperature alarm.



- Cooling System provide stability and consistency to internal cabinet temperature with quick temperature recovery
- Temperature range: 2 to 20°C and polyurethane foam insulation with thickness 80 mm
- With evaporator copper tube embedded in a foam layer to prevent corrosion and to ensure heat transferring efficiency and different designed compact finned condenser for better efficiency
- With inner door to minimize leakage of cold air, ensuring uniform temperature within the refrigerator
- Automatic magnetic sealed door to ensure and improves the refrigeration performance and working consistency
- Provide a password to prevent any unwanted access parameters from being modified
- Constructed with antibacterial powdered inner and the outer surface
- Uses high efficient refrigeration system and eco-friendly and fluorine-free refrigerant
- Rechargeable battery backup to 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 and castors for easy moving
- Temperature stability  $\pm 1.5^{\circ}\text{C}$
- Temperature accuracy of  $0.1^{\circ}\text{C}$
- Alarm mode: buzzer and flashing lights, Power failure alarm, doors open alarm, high and Low-temperature alarm
- The record displays Date, Time, Min, and Max Temp.
- The controller displays real-time temperature and alarm codes for easy use
- Wide double layer window for easy observation
- LED lamp power switch together with control panel and Adjustable shelves

## Double Door Medical Refrigerator 2 to 20°C IUMR-2000D

Double Door Medical Refrigerator 2 to 20°C IUMR-2000D with dual-layer opening and 10 shelves for easy observation and storage of samples. The IUMR-2000D comes with the same design and features as IUMR-1000 having double doors instead. The maximum capacity of 662 L and 997 L and defrost automatically. Build-in inner fan-driven and forced-draft air circulation system provides excellent temperature uniformity. Build-in microprocessor controller to certify tolerances of internal temperatures. Equipped with buzzer and flashing lights, power failure alarm, doors open alarm, high and low-temperature alarm.



- Cooling System provides stability and consistency to internal cabinet temperature with quick temperature recovery
- Temperature range: 2 to 20°C and polyurethane foam insulation with thickness 80 mm
- With evaporator copper tube embedded in a foam layer to prevent corrosion and to ensure heat transferring efficiency and different designed compact finned condenser for better efficiency
- With inner door to minimize leakage of cold air, ensuring uniform temperature within the refrigerator
- Automatic magnetic sealed door to ensure and improves the refrigeration performance and working consistency
- Provide a password to prevent any unwanted access parameters from being modified
- Constructed with antibacterial powdered inner and the outer surface
- Uses high efficient refrigeration system and eco-friendly and fluorine-free refrigerant
- Rechargeable battery backup to display the main information such as alarm and an internal temperature of the cabinet when the main power is cut off
- Built-in mechanical lock to ensure the safety of stored items and castors for easy moving
- Temperature stability  $\pm 1.5^{\circ}\text{C}$
- Temperature accuracy of  $0.1^{\circ}\text{C}$
- Alarm mode: buzzer and flashing lights, Power failure alarm, doors open alarm, high and Low-temperature alarm
- The record displays Date, Time, Min, and Max Temp.
- The controller displays real-time temperature and alarm codes for easy use
- Wide double layer window for easy observation
- LED lamp power switch together with control panel and Adjustable shelves

## Pharmacy Refrigerator

We offer a wide range of Pharmacy Refrigerator designed to maintain the internal temperature control between 2 to 8°C along with a built-in fan, locks fitted as standard, automatic defrost and available with solid transparent door options ensure you are getting the best refrigerator purpose-built for the storage of your products to store products like reagents, pharmaceutical compounds, laboratory-grade product, medical compounds, medicinal products in pharmaceutical industries, medicals, research laboratories, etc. With a broad range of models available from single to large double door models, you will be able to find a model to meet your drugstore essentials. It's microprocessor system temperature accuracy and temperature adjustment up to 0.1°C.



## Upright Pharmacy Refrigerator 2 to 8°C IUPR-1000 Series

Upright Pharmacy Refrigerator 2 to 8°C IUPR-1000 Series with transparent door design for easy observation with temperature range 2 to 8°C, and forced air R600a and R134a refrigeration system with air cooler chiller distribution delivers cold air to different levels within each side of the storage chamber, ensuring consistent cabinet wide cooling with adjustable shelves are adjustable to any height and to fulfill different requests. Ergonomic design offers a clear view of stored items over large framed openings. The thin shape allows for cool recovery of your products, without the concern for swinging door clearances. Customers can choose from two types of interior shelving to suit their needs, security and safety lock to avoid unwanted access, provide storage space for easy sorting of a variety of blood products, and casters design and LED interior light.



- Cooling fan is permanently lubricated for long life
- Temperature range is up to 2 to 8°C
- Adjustable shelves and LED interior light, caster design
- Automatic defrost maintains optimum cooling capacity
- Improved refrigeration system design for more operative cooling and quick recovery
- Designed with 1 glass door with heating reflect reduces condensation
- Excellent battery back up
- Positive, forced-air circulation maintains temperature uniformity throughout
- Temperature variation within  $\pm 3^{\circ}\text{C}$
- High-efficiency field compressor with known field consistency
- Equipped with audible buzzing and visual flashing light type alarm system
- Multiple alarm system for safe and consistent process
- Assure inner temperature uniformity by an intelligent controlled fan with forced cycle system
- Assure safety by unwanted access and pharmaceutical products of many types
- Excellent durability and reliability

## Double Pharmacy Refrigerator 2 to 8°C IUPR-2000D Series

Double Pharmacy Refrigerator 2 to 8°C IUPR-2000D Series are 10 shelves refrigerators that are always a spectacular addition to pharmaceutical laboratories, and they are remarkably economical. This allows us a reliable and regular development of our pharmaceutical refrigerators. Each unit consists of a robust housing and quality constituents provide reliability and durability. Ergonomic design offers a clear view of stored items over large framed openings. The thin shape allows for cool recovery of your products, without the concern for swinging door clearances. Customers can choose from two types of interior shelving to suit their needs, security and safety lock to avoid unwanted access, provide storage space for easy sorting of a variety of blood products, and casters design and LED interior light.



- The cooling fan is permanently lubricated for long life
- Temperature range is up to 2 to 8°C
- Adjustable shelves and LED interior light, caster design
- Automatic defrost maintains the optimum cooling capacity
- Improved refrigeration system design for more operative cooling and quick recovery
- Designed with 1 glass door with heating reflect reduces condensation
- Excellent battery back up
- Positive, forced-air circulation maintains temperature uniformity throughout
- Temperature variation within  $\pm 3^{\circ}\text{C}$
- High-efficiency field compressor with known field consistency
- Equipped with audible buzzing and visual flashing light type alarm system
- Multiple alarm system for safe and consistent process
- Assure inner temperature uniformity by an intelligent controlled fan with forced cycle system
- Assure safety by unwanted access and pharmaceutical products of many types
- Excellent durability and reliability

