IRIS ANALYTICAL

REFRIGERATORS & ULTRA-LOW FREEZERS



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Ultra-Low Chest Freezers -86℃/-152℃/-164℃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℃/-152℃/-164℃ to fit your requirements.

Ultra-Low Chest Freezers -86? IUCF-1000 Series



Ultra-Low Chest Freezers -86℃ 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℃ 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℃ IUUF-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? IUCF-4000

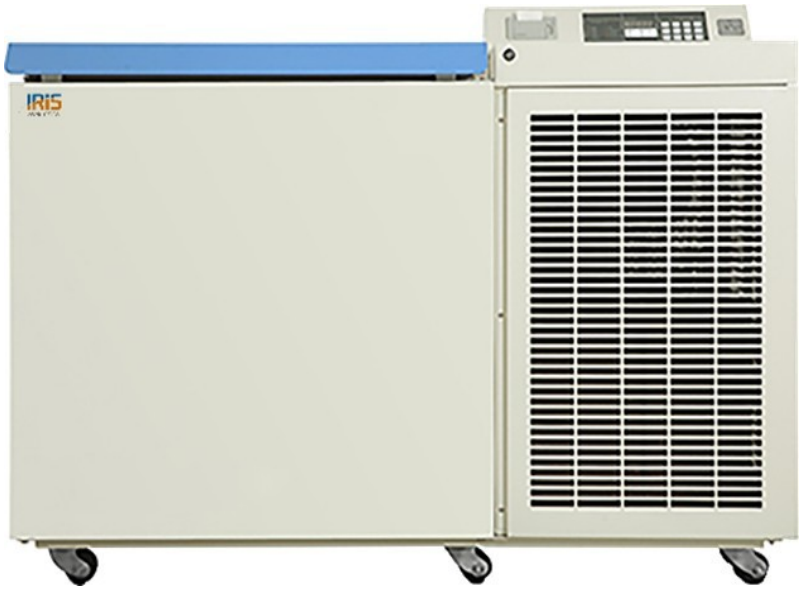


Ultra-Low Chest Freezers -152℃ IUCF-4000 with VIP vacuum three-dimensional thermal insulation system and one pole lubrication compressor: refrigeration technology. Secure sample at the ultra-low and cryogenic conditions at -152℃.Equipped with many alarms function Visual & Audio high and low-temperature 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℃ 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



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