



CHEST CRYOGENIC

-136 °C FREEZER CRQ 4440



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Chest Cryogenic - 136 °C Freezer CRQ 4440

Chest cryogenic (-136 °C) freezer CRQ 4440 is a 105 L, horizontal laboratory freezer for safe storage and semi-permanent preservation of biological and laboratory specimens. It ensures long-term protection and preservation of sample integrity by storing samples below the recrystallization temperature of ice (-130 °C) thereby retaining optimum cell viability. The fin fan cooler and mixed CFC-free cooling system facilitates optimum cooling with low energy consumption. The audio-visual temperature deviation alarm system and digital display enable easy operation.

Features

- Single stage refrigeration system
- Class I protection class
- Rapid cooling rate
- Digital temperature display for easy and accurate operation
- CFC free mixed refrigerant and foaming agent (environmental friendly)
- Energy efficient preventing temperature fluctuations
- Dual door sealing with insulation
- Audio-visual temperature deviation alarm system (customizable)
- Lockable door to prevent unauthorized access

Applications

Used for long-term storage and safe preservation of biological samples, laboratory specimens and stem cells in clinical, medical and research institutes

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Specification

| Model | CRQ 4440 |
|-------------------------------------|--------------------------------|
| Capacity | 105 L |
| Loading capacity | 20 pieces / 20' GP |
| Interior temperature (adjustable) | (-80 °C to -136 °C) |
| Cooling system | Single stage refrigeration |
| Condenser | Fin fan cooler |
| Refrigerant | Mixed CFC-free refrigerants |
| Temperature display | Digital |
| Evaporator | Copper tube |
| Sensor | Pt100 |
| Alarm | Audio-visual |
| Door handle material | Aluminum |
| Door material | Single foamed door |
| Door orientation | Top open |
| Power supply | 220 V / 50 Hz or 115 V / 60 Hz |
| Rated input | 1 kW |
| Power consumption | 13.50 kW.h / 24 h |
| Interior material | Stainless steel |
| Exterior material | Powder coated steel |
| Insulation thickness | 150 mm |
| Interior dimension (W x H x D) | 410 x 550 x 460 mm |
| Exterior dimension (W x H x D) | 1140 x 930 x 760 mm |
| Weight | 100 kgs |