

CO₂ Incubator-3111



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Analytical Technologies Limited

An ISO 9001 Certified Company

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▶▶ **CO₂ Incubator Capacity Available:50 Liters To 300 Liters**

This equipment is mainly used in clinics of interafertility and having temp. Range from 5 Deg. C. to 37 Deg. C with controlling of Ph. The construction is double walled. The outer is made of CRC pre painted sheets and inner of SS/ shiny plastic or painted aluminum sheet. Cooling is done by hermitically sealed compressor and provided with PUF Insulation. A low wattage heater is provided for heating when required to maintain the temp. Provided with 3 Step Stabilizer to work on 230 Volts AC supply.

Air jacketed CO² Incubator with inner volume. Fan less design. It should have minimum 5 height adjustable perforated shelves & humidity reservoir (removable) to achieve at least 95% RH. Microprocessor controlled temperature ranging from 4° C above ambient to 50° C, with control accuracy of ±0.1° C with six-sided direct heating with fan less, gentle convection circulation to provide stable temperature control, uniformity and rapid recovery with no over shoot. Dual channel IR CO₂ sensor.

CO² sensor with programmable auto-zero function providing superior accuracy and stability with CO² control range from 0.2 to 20% with accuracy ±0.1% and stability ±0.2% with auto calibration of CO² levels. CO² Recovery Time: ≤5-10 mins. O² Control System: Microcontroller, O² control range from 1.0 to 15% or more with accuracy ±0.1%, recovery time ≤5-10 mins. Stainless Steel removable humidity pan. Pan less system will be preferred if the feature is provided. 140 degree C high temperature.

Main body should be made of electro galvanized 304 steel with antimicrobial coating. Standard 304 stainless steel interior and shelves with inner glass door. Number of shelves will be 4. Highest quality of inner surface with rounded corners on all sides for easy cleaning. The shelves and fan impeller also should be made of stainless steel and should not have nuts or bolts for shelf supports to reduce the scope of growth of contamination. CO₂ uniformity- 0.1. No plastic structure should be inside to avoid volatile organic compounds (VOC).

Audio and visible alarm for both temperature and CO² level. LCD display and touch screen. CO² inlet should have HEPA/ULPA filter. Power supply -220 V± 10 V AC, 50/60 Hz. ISO and CE Certification should be provided. It should come with gas cylinders with regulator. Compatible cylinder's regulators, tubing, fittings and all other accessories should be provided.

System should have at least 2 doors, one main door and one glass door. Non-volatile memory based 72 hour data logger to record parameters such as CO²/ O² concentration, Temperature changes, and door opening. Stackable models preferred.

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Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



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Hematology
Analyzer



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Reader/Washer



URINOVA 2800
Urine Analyzer



Total Organic
Carbon 3800



Fully Automated
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RTPCR



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system

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