

CO2 INCUBATOR – 1No.
Doc. No: ST/12/CO₂Incubator/2016-17/29

Proposed application: For cell culture studies.

Features:

Microprocessor control.
 Humidity control.
 HEPA air filtration system.
 High temperature decontamination facility.
 Over temperature protection.
 Alarm-audio/visual indication for fall/rise in temp and CO2 level.
 Stainless steel interior with coved corners.
 Volatile organic compound filtration system.
 LED Display of temperature, CO2 and relative humidity.
 Parameters settings : Digital
 Shelves: 3 or more. Adjustable
 Air Jacket Type

Specifications

Volume : ~200lit ±10%

Temperature

- Range : 5°C over ambient to 50°C (122F)
- Control : ±0.1°C @ 37°C (98.6F)
- Readability & Setability : 0.1°C
- Uniformity : ±0.2°C @ 37°C (98.6F)

CO2

- Control : ±0.1% @ 5.0%
- Range : 0-20%
- Calibration : Auto-zero
- Inlet Pressure : 15 PSIG (1.0 bar)
- Filter : 0.2 micron, disposable
- Sensor : Dual beam IR
- Readability & Setability : 0.1%

Controlled RH

- RH : Ambient to 95% RH, non-condensing
- Humidity Control : ±2.0%
- Readability & Setability : 1%
- Humidity Reservoir : 1 gal. ±10%
- Operating voltage : 220V, 50Hz

Standard Fittings:

Drain Port, Access Port, CO2 Inlet

Essential Accessories

- Two-Stage CO2 Gas Regulator branded with barbed connection and shutoff valve.
- HEPA filter replacement kit. 2No
- HEPA VOC filters replacement kit. 2No
- CO₂ Line filter 2No

* Any other items required to make it a complete system to be quoted