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Product Name :
Multi Gas Incubator

Product Code :
LBNY-0001-800007



Description :

Multi Gas Incubator

Technical Specification :

Multi Gas Incubator

The Multi gas Incubators are designed to control the CO₂ level and O₂ level precisely; the automatic air jacket is built in. This system helps to facilitate a stable cell culture environment. Multi-gas incubator helps to achieve more accurate results when culturing cells at physiological oxygen levels.

General Features and Specifications:

It incorporates advanced technologies and superior design to provide an ideal, stable culturing environment

The operational gas pressure range of 8 to 20 psi

The dry heat sterilization is 125°C

Equipped with Water jacket or direct heat temperature control

The dry heat sterilization time is 4 hour or less

Possess provision of display for temperature and alarm control

The inner chamber material is made up of stainless steel

Inner chamber is easily cleanable

Equipped with high temperature decontamination

Standard perforated shelves

Number of shelves provided is 3

Shelves is made up of stainless steel

Shelves thickness is 1mm

Separate inner glass door is provided

Removable humidity tray for easy cleaning
Sensor used CO2 detection is thermal conductivity (TC) or Infra-Red (IR) Two CO2 cylinder is provided with incubator
Type of configuration is portable and bench top
Inside compartment is Scratch resistant high impact painted finish for easy cleaning
Closes gently against the cabinet with a magnetic gasket and maintains chamber integrity
Reinforced cabinet permits stacking and tempered glass inner door
High visibility vacuum fluorescent display for at-a- glance monitoring from across the room
Power supply: 220 -240 V
Technical Specifications:
Contamination and control
Need to be equipped with H2O2DecontaminationSystem
Need to be equipped with safe cellUVsystem
Need to be equipped with singlebeam,dualdetectorIRCO2sensor, ZirconiaO2sensor
Need to be equipped with direct heat & air jacket (DHA) heating system
Need to be supported with software for reading out, managing and organizing the data logger via Ethernet interface (temporary trial version can be downloaded).
Need to be supported with USB stick software control and required accessories
Environmental Performance
Temperaturecontrolrange: +5°Caboveambient to50°C
Temperaturecontroluniformity: $\pm 0.25^\circ\text{C}$ (23°Cambient,setting:37°C,CO2:5%,O2:5%,nol oad)
CO2 control range and deviation: 0% to 20% / $\pm 0.15\%$ (23°C ambient, setting 37°C, CO2: 5%, O2: 5%, no load)
CO2 sensor platform: Ceramic based, single beam infrared sensor,with dual wavelength measurementforcontinuousauto-zero calibration
O2 control range and deviation: 1—18 %, 22—80 % / $\pm 0.2\%$ (23°C ambient, setting 37°C, CO2: 5 %, O2: 5 %)
Airflow: Gentle vertical airflow, continuous with inner door closed
Interior humidity: 95 % ± 5 % R.H. at 37°C by natural evaporation with humidifying pan
Energy and CO2 utilities
With optimum power consumption and heat discharge
Equipped with suitable CO2/O2gasconnection, CO2gaspressure and O2gaspressure
Gas level, time and temperature control and display
Need to be equipped with data logger for continuous/regular temperature, gas level monitoring, with a print out
Cabinet design and construction
Equipped with standard touch panel and USB data logging,
Exterior cabinet and door need to be galvanized steel with baked-on finish
Interior and shelves need to be copper-enriched stainless steel"
Dimension, weight and capacities
Interior dimensions(WxDxH): 450-490x 450-550x 550- 690(mm)/ 18-20x 20-25x20-30(inch)
Exterior dimensions(WxDxH):550- 630x 650-750x 850- 950(mm)/ 20-28x 25-30x 30-40(inch)
Volume: 180-250 Liters
Net weight: 100-250kg"
Operating Environment;
Temperature: +10 °C to + 32°C
Relative humidity: Ambient to 95% at 37°C(98.6°F)
Altitude: 2300-2400 meter"
Utility Requirements: Voltage: 220VAC, + 10% ,50Hz.



Laboratory Instrument India

