

Indian Institute of Technology Kanpur
Department of Biological Sciences & Bioengineering

Enquiry No. IITK/JGR-5620/2017-18//10

7th September 2017

Enquiry for Co2 Incubator

We would like to purchase a Co2 Incubator with specifications given below: -

EQUIPMENT : Co2 Incubator- quantity- 1 no.

SPECIFICATIONS:

- Range 5C above ambient to 50°C
- Temperature Uniformity $\pm 0.2^{\circ}\text{C}$ @ 37°C
- Interior Volume: Minimum 180 or more liters
- CO_2 : 0-20%. Control, Range Better than $\pm 0.1\%$, measures with T/C sensor.
- Humidity: around 95% @ 37°C (98.6F)
- Sturdy stainless steel shelves and supports should be readily removed without tools for easy cleaning, autoclaving or adjustment
- Heat Sterilization cycle of 140°C for 12 hours to safely kills all organisms within the chamber, including mold, yeast, mycoplasma, bacteria, and even difficult to eliminate spores. "Overnight" cycle operation should be possible (of 12 hours).
- Sterilization cycle should not include the replacement or capping of CO_2 Sensor to insure the complete sterilization of incubator.
- System should require access code to initiate decontamination cycle thereby preventing accidental initiation of the cycle.
- The Microprocessor Control System should give clear cut written message for the errors, should guide through the cycle with start-up and cycle status messages during decontamination phase.
- 100% filtration of chamber air every 60 seconds to clean room particulate and air borne contamination to class 100 air quality standards thereby providing constant protection against contaminations.
- Snap fit in-chamber HEPA filter should be easily removed without tools
- 100% coved chamber corners to eliminates the corners and crevices that are difficult to clean and harbor contamination
- Polished stainless steel chamber to provide a smooth, easy to clean surface
- Microbiological filters on all gas inlets and outlets and sample ports - Potential contamination sources are reduced

- Microprocessors control/monitoring system with displays for temperature and CO₂. and alphanumeric message center which is easy to read, and easy to program with constant display of operating parameters and alphanumeric status messages
- Field reversible inner and outer doors so that the unit can be easily configured for use anywhere in the lab
- Fan assisted mechanical convection to directed air flow to provide quicker temperature recovery during normal operation and sterilization to provide better uniformity of Temperature, Co₂ concentration & humidity
- Units should be stackable with stacking brackets included to maximize lab space
- Incubator is UL listed, CSA Certified and CE Marked

Terms & Conditions:-

01. Validity of quotation should be at least for 90 days.
02. Comprehensive Warranty should be for three years from the date of installation.
03. Delivery period within 30 days from the date of purchase order.
04. Technical and financial bids should be separate under closed cover. The financial bids should be separate quotes for FOB/FCA and CIP/CIF shipment.
05. Proprietary Certificate, if the product is of proprietary category, should be attached.
06. Send the detailed quotation, annexures along with your authorized dealer certificate, within 21.9. 17 to the address given below:-

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