



Ref: NCB/F-162930/2017-2018 (N)

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## Specifications for Air jacketed CO<sub>2</sub> incubator

1. The system should be Air jacketed CO<sub>2</sub> incubator
2. The system should be microprocessor controlled CO<sub>2</sub> incubator. It should have touch screen LCD controller with easy icons and user-friendly control system.
3. The system should have the Capacity of 170 Lt ( $\pm$  5%)
4. The system should be equipped with large, easy to read display screen.
5. The system should be supplied with 3 nos of adjustable SS shelves
6. The system should have two doors and inner door should be glass door to seal the chamber with Silicon gasket.
7. The fluctuation/variation at 37°C should not be more than 0.1°C
8. The system should have the Infrared CO<sub>2</sub> sensor
9. Sensor must be able to withstand high temperatures during direct heat sterilization
10. The system should have the CO<sub>2</sub> range 1-20% with accuracy 0.1%
11. The system should have Built in on-demand high temperature decontamination cycle 140°C
12. The system should have the option to mute the audible alarms
13. The system should have the tracking alarm  $\pm$ 1° C
14. The system should have the seamless SS inner chamber.
15. The system should have the Operating temperature range from ambient to 50°C. The temperature accuracy and uniformity should be less than 0.1°C
16. The incubator should maintain uniform temperatures in the inner chamber
17. The system should be offered with power rating of single phase 230 V 50 Hz
18. The system should have onboard Diagnostic interface to show system parameters and functions.
19. The system should be equipped with buzzer and visual alarm for power failure, CO<sub>2</sub>, and temperature deviation against the setup temperature
20. The incubator should be quoted with stackable kit with the main offer.
21. The system should operate at 230V, 50 Hz AC power
22. The system should be supplied with all the accessories required to function.
23. Compliance to each of the above points should be separately indicated and evidence presence for each of them (Product brochures should be highlighted wherever required).
24. The system should be supplied with 3 years' warranty as a part of the offer.
25. The System should be CE/ISO Approved