

Technical Specifications

CO₂ Incubator

- 1. The internal capacity should be up to 140-200 liters.**
- 2. Should have temperature management ambient +5°C to 50°C**
3. Should provide incremental increase for temperature management: 0.1 °C or better
4. Temperature accuracy should be between + 0.4 °C at 37 °C.
5. Temperature stability should be between + 0.2°C at 37 °C.
- 6. CO₂ gas range should be 0.5 – 50%.**
7. Should have incremental variation in CO₂ gas range of 0.10%.
8. Should have gas uniformity of 0.2 % at 37 °C.
9. The CO₂ recovery rate should be 6 min or less after door opening and closing event to attain 5% CO₂.
10. Should have the operational gas pressure range of 8 to 20 psi.
- 11. The maximum dry heat sterilization should be 125°C or more.**
- 12. The maximum dry heat sterilization time should be 4 hour or less.**
13. Should possess provision of display for temperature and alarm control
14. The inner chamber material should be made up of stainless steel
15. Inner chamber should be easily cleanable
16. Should have standard perforated shelves
17. Number of shelves provided should be 3 or more
18. Shelves should be made up of stainless steel
19. Shelves thickness should be 1mm or more
20. Separate inner glass door should be provided
21. Should have removable humidity tray for easy cleaning
22. Sensor used CO₂ detection should be Infra-Red (IR) and NDIR type
23. Maximum temperature for Sensor functionality should be 140 °C or more during dry heat sterilizations
24. One or more CO₂ cylinder should be provided with incubator
25. Type of configuration should be portable and bench top.