



FIDELS SCIENCE

A UNIT OF FIDELS EYE N SCIENCE PRIVATE LIMITED

CATALOGUE OF INCUBATOR FIDELS/CO-4



MODEL- FIDELS/CO-4

ISO 9001:2015



+91- 9319272252, 7042040439



fidelsscience2022@gmail.com



<https://www.fidels-scs.com>



M-1, Lajpat Nagar-3, New Delhi -24

LABORATORY INCUBATOR

FIDELS/CO-4 CO₂ incubators are enclosures designed to precisely control the environment needed to Grow biological or cell cultures.

DESIGN

1. CO₂ incubator system with volume 180 litres.
2. CO₂ range from 1 – 20% with control increment of 0.1%.
3. CO₂ gas accuracy $\pm 0.2^{\circ}\text{C}$ at 37°C .
4. CO₂ gas uniformity $\pm 0.3^{\circ}\text{C}$ at 37°C .
5. Temperature range $\pm 4^{\circ}\text{C}$ to 50°C .
6. Temperature accuracy $\pm 0.4^{\circ}\text{C}$ at 37°C .
7. Temperature stability $\pm 0.1^{\circ}\text{C}$ at 37°C .
8. Temperature control increment $\pm 0.1^{\circ}\text{C}$.
9. Temperature uniformity $\pm 0.3^{\circ}\text{C}$ at 37°C .
10. Relative humidity should be $\geq 90\%$ at 37°C .
11. Interior chamber made of electro-polished stainless steel, and exterior chamber made of powder coated steel with minimum thickness and fan less.
12. The system have 3 perforated stainless-steel shelves, which are fixed.
13. Incubator have touch screen display with advanced user interface and on-board data log.
14. Maximum load of per shelf at least 7 kg.
15. The system have alarm to alert user and state of art Dual channel infra-red.
16. Incubator have feature a water level sensor and alarm to alert user when humidification water refilling is required.
17. Gas sensors inside the chamber.
18. The system come with CO₂ gas cylinder.
19. Incubator is air-jacketed and systematic sterilization capacity: 180°C (12 hours or less) high temp. sterilization.
20. Access ports at the back of chamber for external probes.
21. In-built option for data monitoring and documentations modules.

POWER

- **work on 220/230 volts A.C. 50Hz.**
- **Temperature Range:** 5°C to 60°C
- **Temperature Accuracy:** $\pm 0.5^{\circ}\text{C}$
- **Temperature Uniformity:** $\pm 2^{\circ}\text{C}$
- **Temperature recovery:** in <6 min
- **% RH Recovery:** <10 min
- **% CO₂ Recovery with IR Sensor:** <6 min

