CO_2 Incubator C16

Quality – Made in Germany

Your first choice for excellent cell cultivation

Small incubator with an inner volume of 16 liters

Advantages of C16:

- Approved medical device

- CO_2 sensor:
    - Dual beam infrared sensor
    - Very precise measurement
    - Very short recovery times
    - Long-term stable

- Direct heating:
    - Independent over-all heating of inner walls and door
    - Homogeneous temperature distribution in the interior
    - Very short recovery times

- Very compact and space saving construction

- Optional:
    - O_2 control
    - PC software LaboDat+

Product features:

Interior:
- Electro-polished stainless steel with coved corners
- Shelves and ductwork easily removable for cleaning purposes

Temperature:
- Panel heated interior chamber and door

Humidity supply:
- Via an internal water reservoir

CO_2:
- Dual beam infrared sensor
- Measurements independent from temperature and humidity

Very short recovery times:
- For all adjustable parameters through optimized microprocessor control

Easy handling:
- Menu-driven
- Backlit LCD display
- Membrane keypad

Diagnostic system:
- Optical and acoustical alarm if set point deviation or sensor defect occurs
- Door monitoring
- Air monitoring
- Hardware self-test
- Remote alarm

Options:
- O_2 control: connection for N_2

Interfaces:
- Remote alarm (potential free)
- RS485-interface for data-logging with optional PC software LaboDat+

Technical data:

Exterior:
- Dimensions 290 x 330 x 480 mm (w x d x h)

Interior:
- Volume 16 l
- Electro-polished stainless steel
- 2 shelves 205 x 230 mm (w x d)

Temperature:
- Panel heated interior chamber and door
- Range 27 °C – 42 °C starting 5 °C above ambient temperature
- Stability / uniformity: ± 0.1 °C / 0.3 °C

CO_2 control:
- Dual beam infrared sensor
- Range 0 – 10 % CO_2
- Stability 0.1 % CO_2

O_2 control < 21 % (optional):
- Measurement with galvanic sensor
- Connection of N_2
- Range 1 – 21 % O_2

Connection values:
- 110 – 230 V AC, 50/60 Hz, 60 W
- Inlet pressure for gas 0.8 bar
- Ambient temperature 18 °C – 30 °C

Classification:
- Safety class I
- Class IIa for every usage according to EC Directive 93/42/EEC
- Device is compliant to EN 61010

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