

CO₂ Incubator C16

Quality – Made in Germany

Your first choice for
excellent cell cultivation



REF 14209 (without O₂-control)

REF 14452 (with O₂-control)

Small incubator with an inner
volume of 16 liters

Advantages of C16:

- Approved medical device
- CO₂-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:
 - O₂-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:

- Over an internal water reservoir

CO₂:

- 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 guided
- Back-lit LCD-display
- Foil 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:

- O₂-control: connection for N₂

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 ± 0.1 °C / 0.3 °C

CO₂-control:

- Dual beam infrared sensor
- Range 0 – 10 % CO₂
- Stability 0.1 % CO₂

O₂-control < 21 % (optional):

- Measurement with galvanic sensor
- Connection of N₂
- Range 1 – 21 % O₂

Supply:

- 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
- EN 61010 conform



CE 0123

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