

# CO<sub>2</sub> Incubator C16

# Quality - Made in Germany

# Your first choice for excellent cell cultivation



### REF 14209 (without O<sub>2</sub>-control)

REF 14452 (with O<sub>2</sub>-control)

# Small incubator with an inner volume of 16 liters

## Advantages of C16:

•Approved medical device

- •CO<sub>2</sub>-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<sub>2</sub>-control
  - PC software LaboDat+

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### **Incubation technique**

# 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

#### CO<sub>2</sub>:

- 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:**

• O<sub>2</sub>-control: connection for N<sub>2</sub>

#### 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 I
- 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

#### CO<sub>2</sub>-control:

- Dual beam infrared sensor
- Range 0 10 % CO<sub>2</sub>
- Stability 0.1 % CO<sub>2</sub>

### $O_2$ -control < 21 % (optional):

- · Measurement with galvanic sensor
- Connection of N<sub>2</sub>
- Range 1 21 % O<sub>2</sub>

#### 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



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