

CO₂ Incubator C200

Quality – Made in Germany

Your first choice for excellent cell cultivation



Incubator with 200 liter chamber capacity

REF 13946

Advantages of C200:

- Approved medical device
- Active sterile humidity:
 - External water reservoir
 - Distilled water is vaporized at 120 °C
 - Minimized risk of contamination
 - Humidity sensor (rH)
 - Very fast recovery
- CO₂-sensor:
 - Dual beam infrared sensor
 - Very precise measurement
 - Very fast recovery
 - Long-term stable
- Direct heating:
 - Independent six-sided direct heating
 - Homogeneous temperature distribution in incubation chamber
 - Very fast recovery
- Optional:
 - O₂-control
 - Subdivided inner glass door with 6 small doors
 - Lockable front door
 - Access port
 - PC software LaboDat+

Product features:

Interior chamber:

- Electro-polished stainless steel with rounded corners
- No tools required for quick disassembly and assembly of interior components

Temperature:

- Panel heated chamber and door
- Intelligent temperature control system avoids condensation in inner chamber

Active sterile Humidity supply:

- External water supply container

CO₂-control:

- Dual beam infrared sensor
- Measurement independent from temperature and humidity

Fast recovery :

- For all adjustable parameters through optimized microprocessor control

Easy handling:

- Menu guided
- Large, backlit LCD
- Foil keyboard

Diagnostic system:

- Visual and acoustic alarm if set point deviation or sensor defect occurs
- Door monitoring
- Remote alarm

Options:

- O₂-control: connection of N₂
- Subdivided inner glass door with 6 small doors
- Lockable front door
- Access port Ø 30 mm

Interfaces:

- Alarm contact (potential free)
- RS485 interface for connection of optional available PC software LaboDat+

Technical data:

Exterior chamber:

- Dimensions 680 x 690 x 930 mm (w x d x h)

Interior chamber:

- Chamber volume 200 l
- Electro-polished stainless steel
- Shelves height adjustable

Temperature:

- Panel heated interior chamber and door
- Adjustable range 27-42 °C starting 5 °C above ambient temperature
- Stability / uniformity: ±0.1 °C / ±0.3 °C
- Over-temperature alarm: 32-47 °C

CO₂-control:

- Dual beam infrared sensor
- Adjustable range 0-10 % CO₂
- Stability ±0.1 % CO₂

O₂-control < 21 % (optional):

- Measurement with galvanic sensor
- Connection of N₂
- Adjustable range 1-21 % O₂

Humidity:

- Active sterile humidity generated by vaporization module at 120 °C
- Measuring range 0-98 % rH, adjustable range 60-95 % rH

Supply:

- 230 V AC, 50/60 Hz or 115 V AC, 50/60 Hz, 200 W
- Inlet pressure 0.8 bar
- Ambient temperature 18-30 °C

Classification:

- Safety class I
- Class IIa for all usage according to EC-Directive 93/42/EEC
- Conform to EN 61010

Accessories & options:



Subdivided inner glass door - for even faster recovery

- 6 small inner doors
- Even faster recovery of all parameters
- Even lower gas consumption
- Easy cleaning of inner doors
- Scope of supply
 - 6 split shelves 500 x 222 mm (d x w) each
 - 3 shelves 502 x 481 mm (d x w) each



Access port

- Ø 30 mm
- Located in the upper left corner inside the incubation chamber
- Sealing plug in scope of supply



Lockable front door - higher security for your cultures



Stacking kit – for safe positioning

- Safe, easy and space-saving positioning of the devices in the laboratory

- REF 10649 Underframe, 15 cm height, white coated steel
- REF 10681 High frame stand, 115 cm height, white coated steel



Roller base

- For mobile positioning of the devices in the laboratory, on lockable wheels, preventing roller base movement

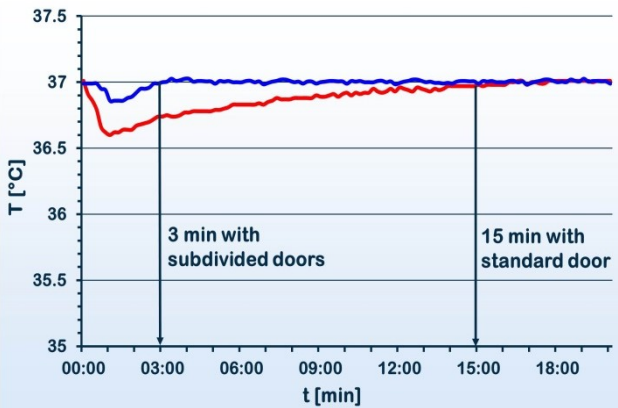
- REF 14411 Roller base, 15 cm height, on lockable wheels

Our C200 incubators are available with O₂-control (O₂ < 21 %)

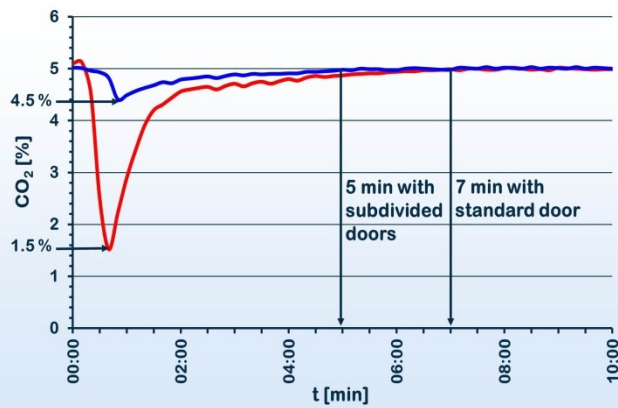
Recovery rates following 30 s door opening:

- Subdivided inner door
- Standard inner door

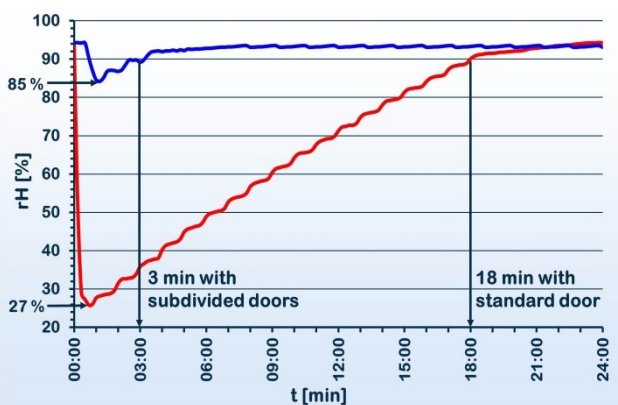
Temperature



CO₂



Relative Humidity



Recommended Accessories for active sterile humidity supply:



AEROpart® HUM

- sterile and pyrogen-free water
1000 ml

REF 16150



Magnetic hook

- diameter 48 mm

REF 15595



Intrafix® Air (B. Braun)

- I.V. administration set
tubing length 150 cm

REF 15417