

CO₂ Incubator Labo C201

Quality – Made in Germany

Your first choice for
excellent cell cultivation
with optional
UV decontamination



Incubator with 200 liter
chamber capacity

REF 15245

Advantages of Labo C201:

- 7" colour touch screen
- UV decontamination (optional)
- Particle filter (P3) within airflow
- Graphical display of recorded parameters of the past 2 h or 24 h (T, CO₂, rH, and O₂)
- Access control via number code (optional)
- RS485 or ethernet interface
- Active sterile humidity supply:
 - External water reservoir
 - Distilled water is vaporized at 120 °C
 - Minimized risk of contamination
 - Humidity sensor
 - 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
- Further options:
 - O₂-control
 - Subdivided inner glass door with 6 small doors
 - PC software LaboDat+

Product features:

Interior:

- Electro-polished stainless steel with rounded corners
- Shelves and ductwork easily removable for cleaning
- Access port \varnothing 30 mm

Temperature:

- Intelligent temperature control system avoids condensation in inner chamber

Humidity supply:

- Active sterile humidity via external water supply container

CO₂-control:

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

Fast recovery:

- For all adjustable parameters

Easy handling:

- Menu guided 7" colour touch display
- Graphical display of recorded parameters of the past 2 h or 24 h

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
- UV decontamination routine
- Access control via numerical code
- PC software LaboDat+

Interfaces:

- Alarm contact (potential free)
- RS485 or Ethernet interface

Technical data:

Exterior:

- Dimensions 720 x 700 x 870 mm (w x d x h)

Interior:

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

Temperature:

- Panel heated interior chamber and door
- 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, adjustment range 60-95 % rH

Access port:

- \varnothing 30 mm

Supply:

- 230 V AC, 50/60 Hz or 115 V AC, 50/60 Hz, 250 VA
- Inlet pressure 0.8 bar
- Ambient temperature 18-30 °C

Classification:

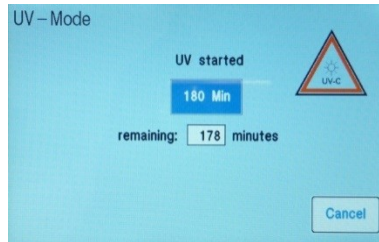
- Safety class I
- Conform to EN 61010

Accessories & options:



Split inner glass door - for even better 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 474 x 222 mm (d x w) each
 - 3 shelves each 485 x 454 mm (d x w) each



UV decontamination

- Individual start by user
- Duration: 180 minutes
- Short-wave UV radiation (UV-C radiation, < 280 nm)
- UV mode is terminated immediately when the door is opened



Each Labotect CO₂ incubator passes an individual cell-growth test prior to delivery!



Access control - higher security for your cultures

- Access control via touch screen
- Mechanical unlocking in case of power failure (emergency release)

Our Labo C201 incubators are available with O₂-control (O₂ < 21 %)



Rev. 4_02/2018

Accessories & options:



Stacking kit - for safe positioning

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

REF 10649 Floor stand, 15 cm height, white coated steel

REF 10681 High frame stand, 115 cm height, white coated steel



Roller base

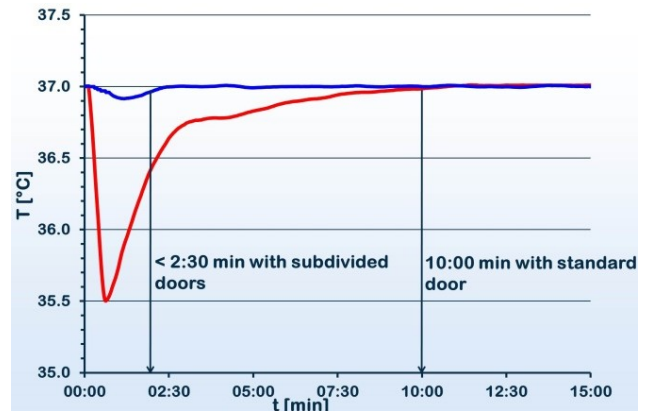
- For mobile positioning of the devices in the laboratory, on lockable wheels, preventing roller base movement

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

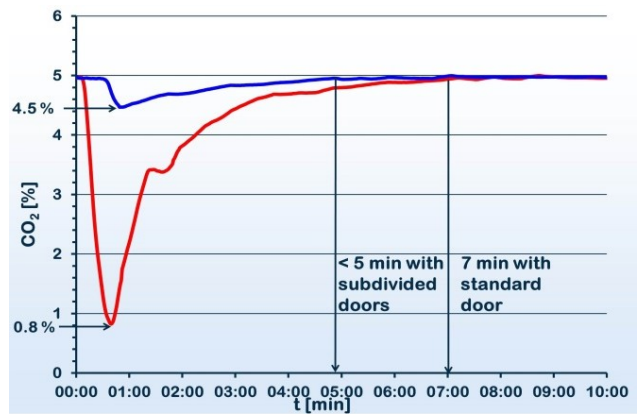
Recovery rates following 30 s door opening:

- Subdivided inner door
- Standard inner door

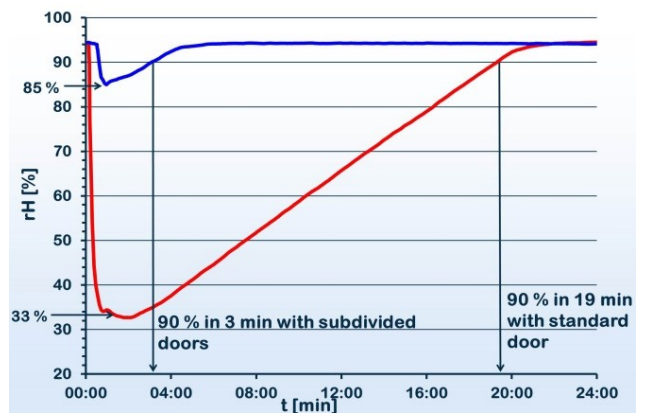
Temperature



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