

## CO<sub>2</sub> 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, CO<sub>2</sub>, rH, and O<sub>2</sub>)
- 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
- CO<sub>2</sub>-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:
  - O<sub>2</sub>-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

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

- O<sub>2</sub>-control: connection of N<sub>2</sub>
- 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:  $\pm 0.1$  °C /  $\pm 0.3$  °C
- Over-temperature alarm: 32-47 °C

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

- Dual beam infrared sensor
- Adjustable range 0-10 % CO<sub>2</sub>
- Stability  $\pm 0.1$  % CO<sub>2</sub>

### O<sub>2</sub>-control < 21 % (optional):

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

### 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

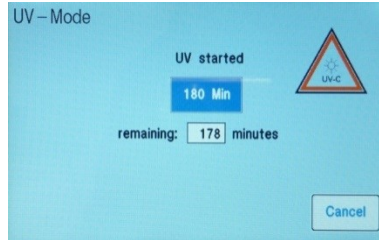
### Supply:

- 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:



### UV decontamination

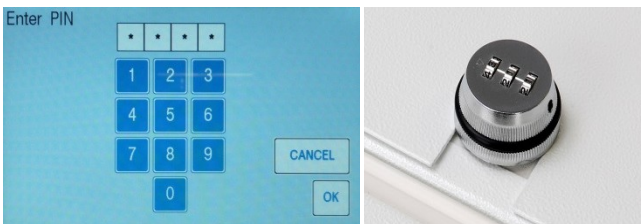
- Individual start by user
- Duration: 180 minutes
- Short-wave UV radiation (UV-C radiation, < 280 nm)
- UV mode is terminated immediately when the door is opened

### 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 474 x 222 mm (d x w) each
  - 3 shelves each 485 x 454 mm (d x w) each



**Each Labotect CO<sub>2</sub> 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 O<sub>2</sub>-control (O<sub>2</sub> < 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

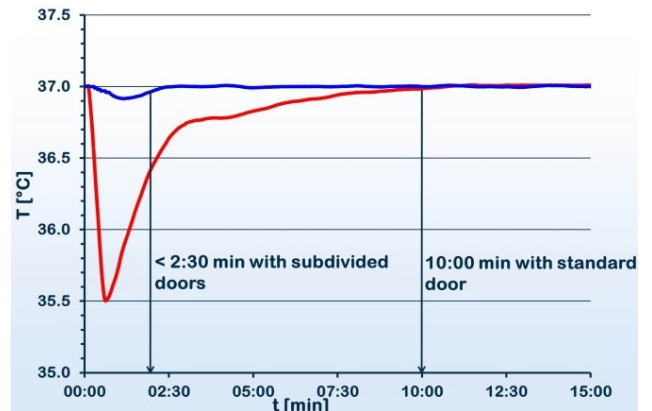
- For mobile positioning of the devices in the laboratory, on lockable wheels, preventing roller base movement

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

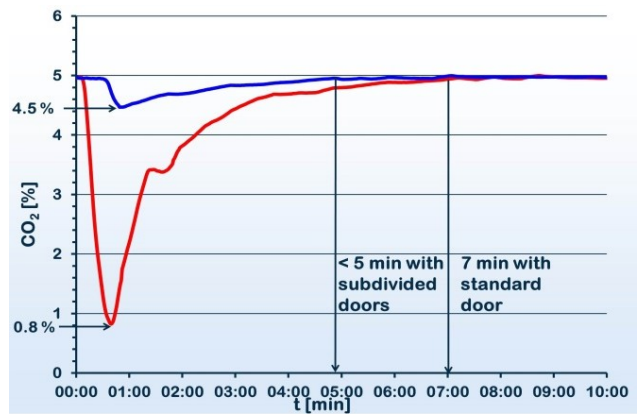
## Recovery rates following 30 s door opening:

- Subdivided inner door
- Standard inner door

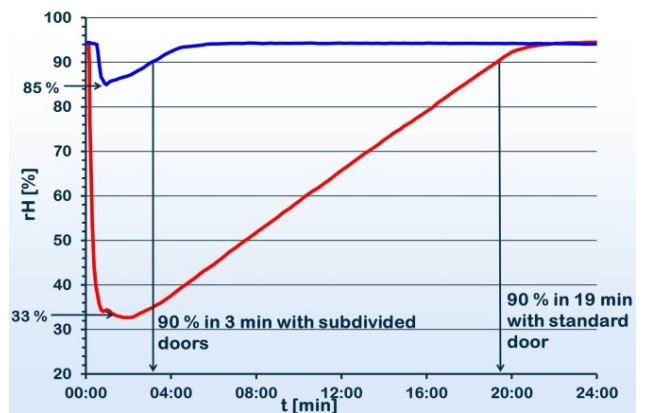
### Temperature



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



### 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