

CO₂ incubator Labo C201

Quality – Made in Germany

Your first choice for
excellent cell cultivation
with optional
UV decontamination



Incubator with an inner volume
of 200 litres

REF 15245

Advantages of Labo C201:

- 7" colour touch screen
- UV decontamination (option)
- Particle filter (P3) within airflow
- Display of measured values for 2 h or 24 h (T, CO₂, rH, O₂)
- Access control via numerical code (option)
- RS485 or ethernet interface
- Active sterile humidity supply:
 - External water reservoir
 - Relative humidity vaporized at 120 °C
 - Minimized risk of contamination
 - Humidity sensor
 - Very short recovery times
- CO₂-sensor:
 - Dual beam infrared sensor
 - Very precise measurement
 - Very short recovery times
 - Long-term stable
- Direct heating:
 - Over-all heating of inner walls and door
 - Homogeneous temperature distribution in the interior
 - Very short recovery times
- Further options:
 - O₂-control
 - Subdivided inner glass door with 6 small doors
 - PC software LaboDat+

Product features:

Interior:

- Electro-polished stainless steel with coved corners
- Shelves and ductwork easily removable for cleaning purpose
- Cable bushing (Access port)

Temperature:

- Intelligent temperature control system for dry inner chamber

Humidity supply:

- Active sterile humidity via external water supply container

CO₂-control:

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

Short recovery times:

- For all adjustable parameters

Easy handling:

- Menu guided 7" colour touch display
- Display of measured values for 2 h / 24 h

Diagnostic system:

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

Options:

- O₂-control: connection for N₂ possible
- Subdivided inner glass door with 6 small doors
- UV decontamination
- 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:

- Volume 200 l
- Electro-polished stainless steel
- Shelves height adjustable

Temperature:

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

Humidity:

- Active sterile humidity supply through vaporizing module operating at 120 °C
- Measuring range 0 – 98 % rH / adjustment range 60 % – 95 % rH

Access port:

- Ø 30 mm

Supply:

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

Classification:

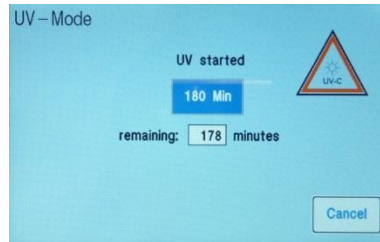
- Safety class I, EN 61010 conform

Accessories & options:



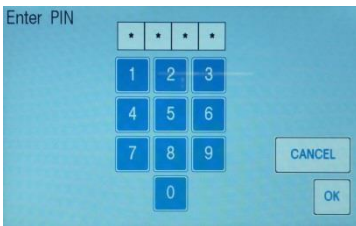
Subdivided inner glass door - for even better recovery times

- Subdivided inner glass door with 6 small doors
- Better recovery times of all parameters
- Lower gas consumption



UV decontamination

- Individual start by user
- Duration: 180 minutes
- Short-wave UV radiation (UV-C radiation, < 280 nm)
- Door opening: UV mode stops immediately



Access control via numerical code - 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 %)



Each of our incubators passes an individual cell test before delivery.



Rev. 2_01/2017

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