

Labo C-Top

Quality – Made in Germany



Table top incubator for up to date, individual cell cultivation

Advantages of Labo C-Top:

- Approved medical device
- Two independent and separate incubation chambers
- Parameters (gas flow, temperature) can be adjusted individually
- Optimized gassing with premixed gas
- Optimized temperature distribution by double heated chamber from top and bottom
- Reliable humidity system
- Current value of relative humidity is displayed (% rH)
- Very fast heating up and recovery times
- Convenient glass control panel
- Space saving

Technical data:

Exterior:

- Dimensions 403 x 225 x 155 mm (w x d x h)
- Weight 8.8 kg

Interior:

- Two chambers with 0.5 liters each
- Mixed load possible

Temperature:

- Overall heating from top and bottom of each chamber
- Range 30 °C – 42 °C from 7 °C above ambient temperature
- Stability / uniformity $\pm 0.1 / 0.3$ °C

Gassing:

- Premixed gas
- Gas flow adjustable between 20 ml/min and 30 ml/min
- Flow rate after opening the lid (automatic gas purge): 250 ml/min for 3 minutes

Connection values:

- 110 – 230 V AC, 50/60 Hz, 100 VA
- Primary 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
- Device is compliant to EN 61010

REF 14876



Additional equipment:

- Labo Gas Mixer provides mixed gas (CO₂, N₂ and atmospheric oxygen)

REF 15583

Product features:

Incubation chambers:

- Aluminum milled and eloxated
- In the lower part:
 - Slots provide full contact to culture dishes
 - Adaption for humidity block
 - Gas inlet
- Easy cleaning
- Independent, for use with (per chamber):
 - 4 x IVF 4-well dishes 66 x 66 mm
 - 4 x Petri dishes Ø 60 mm
 - 10 x Petri dishes Ø 35 mm

Temperature:

- Overall heating from top and bottom
- Very homogeneous temperature distribution

Humidity:

- Humidification by means of humidity block
- Reservoir sufficient for 4 days (when gassing with 20 ml/min)
- Humidity block autoclavable
- Humidity alarm disengageable
- Current value of relative humidity is displayed (% rH)

Gassing:

- Connection of premixed gas (CO₂, O₂ < 21 %, N₂)
- Separate measuring and regulation of gas flow for each chamber
- Automatic gas purge when closing the chamber

Recovery times:

- Short recovery times for all adjustable parameters through microprocessor controlled regulation

Use of glass panel:

- Homogeneous glass cover
- Sensoric buttons integrated in glass
- Image of placements for marking inserted dishes at the glass cover
- Easy operation and menu navigation
- Lit LCD at working place height

Trouble check system:

- Optical and acoustic alarm in case of set point deviation and defective sensor
- Independent over-temperature protection
- Remote alarm

Options:

- PC software LaboDat+ for documentation of incubator's parameters
- Second gas inlet for use of different gas mixtures for each chamber
- Lockable lids

Interfaces:

- Remote alarm (potential free)
- RS485 interface for data logging with optional available PC software LaboDat+

For Labo C-Top we offer the following options:



Labo C-Top with lockable lids:

- Higher security for your cultures
- Limited access to the cultures

REF 15070



Labo C-Top with second gas inlet:

- Every chamber to be gassed with different mixtures at the same time!

REF 15069