



CO2 INCUBATOR AIR JACKETED BGI1Y4 (BCAJ-8404)

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CO2 INCUBATOR



With Infrared CO2 Sensor

- Faster CO2 concentration Restoration Speed.
- Infrared sensor can keep CO2 concentration stability and uniformity when door open frequently.
- Polished stainless-steel chamber, semicircular arcs at corners for easy cleaning(except water-jacketed type), and the space between the shelves in the chamber is adjustable.
- Microorganism filter at inlet provides 99.99% filtration of bacteria and dust ($\Phi < 0.3\mu\text{m}$) and supplies pure CO2 into the incubator.
- Door temperature controller prevents dewfall on glass door of incubator effect

SPECIFICATIONS

Model	BGI1Y4
Old Model	BCAJ-8404
Electrical Requirement	220V 50Hz
Power Consumption	750W
Heating Method	Air-jacketed, PID Control
Temperature Range	RT+5~55°C
Ambient Temperature	+5~30°C
Temperature Stability	±0.2°C
CO ₂ Range	0~20% V/V
CO ₂ Control Resolution	±0.1%(IR sensor)
CO ₂ Recovery	(Door open 30s, recovery to 5%) ≤ 3min
Temperature Recovery	(Door open 30s, recovery to 37°C) ≤ 8min
Humidity Method	Natural vaporization ≥ 90%
Chamber Volume	190L
Interior Dimension (WxDxH)mm	520x530x690
Exterior Dimension (WxDxH)mm	708x710x1030
Shelves	3(pcs)
Sterilization Method	UV Sterilizer
Alt Name	CO2 Incubator

FEATURES

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- Door temperature controller prevents dewfall on glass door of incubator effectively.
- Independent audible and visible temperature-limiting alarm system ensures experiments run safely.(Option)
- Alarm function for temperature difference, CO2 over concentration and concentration difference, door open time, UV working status.
- Auto-controller of fan speed to prevent damage to the samples.

- UV light system for periodic sterilization of chamber.
- PID controller with LCD screen ensures precise and reliable control.
- Two-layer stacking available.

Options

- RS-485 Connector: easy to download and save all the data via RS-485 into computer, and identify problems in time.
- High effective filter provides filtration of bacteria and dust.
- CO2 pressure releasing valve
- Humidity display system
- Printer(Nested)
- Temperature-limiting alarm system
- Cooling system



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com