



## CO2 INCUBATOR AIR JACKETED BGI1Y1 (BCAJ-8401)

# CO2 INCUBATOR AIR JACKETED BGI1Y1

## 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	BGI1Y1
Old Model	BCAJ-8401
Electrical Requirement	220V 50Hz
Power Consumption	450W
Heating Method	Air-jacketed, PID Control
Temperature Range	RT+5~55°C
Ambient Temperature	+5~30°C
Temperature Stability	±0.2°C
CO <sub>2</sub> Range	0~20% V/V
CO <sub>2</sub> Control Resolution	±0.1%(IR sensor)
CO <sub>2</sub> 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	50L
Interior Dimension (WxDxH)mm	400x285x350
Exterior Dimension (WxDxH)mm	580x450x730
Shelves	2(pcs)
Sterilization Method	UV Sterilizer
Alt Name	CO2 Incubator

## FEATURES

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 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](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)