



CO2 INCUBATOR AIR JACKETED

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Designed to provide uniform temperatures and highly stable CO2 environment for your important cell cultures. UV light protects the cells from fungal contamination while HEPA provides clean air for optimal growth. Microprocessor avoids temperature fluctuation. Easy operation with data storage features, our product is a must have for cell culturing applications.

Used in Biolab CO2 Incubator Air Jacketed is your ideal partner for cell culturing procedures. It is widely used in tissue culturing, tissue engineering, in vitro fertilization, mammalian cell research, oncology studies..

200 CO2 INCUBATOR AIR JACKETED



Forced Convection
 Inner material: SUS304 stainless steel
 ALLHEAT™: Chamber Preheating Technology
 ALLFLOW™: Clean Air Circulation System
 ALLSENSTM™: Programmable PID Controller

SPECIFICATIONS

Model	BCAJ-201	BCAJ-202
Capacity	80 L	160 L
Temperature Range	RT+5~55°C	
Ambient Temperature	10~30°C	
Temperature Accuracy	0.1°C	
Temperature Uniformity	±0.8 at 37°C	
Temperature Fluctuation	±0.5 at 37°C	
Temperature Recovery Time	(after 30 seconds door opening to 37°C) ≤ 8 min	
CO2 Range	0~20%	
CO2 Sensor	IR sensor (±0.1%)	
CO2 Recovery Time	(after 30 seconds door opening to 5%) ≤ 2 min	
Ambient Humidity	<70%	
Humidifying Method	Natural Evaporation >95%	
Jacket Type	Air jacket type	
Chamber Dimension	500x400x400 mm	650x460x540 mm
Overall Dimension	755x550x547 mm	650x460x540 mm
Shelves	2	3
Weight (Net/Gross)	35 kg	55 kg
Power	500 W	650 W
Power Supply	Single phase AC220V/50Hz	

300 CO2 INCUBATOR AIR JACKETED



Microprocessor control
 Stainless steel shelves
 Power interruption, High/Low temperature, Deviation of CO2, RH, Door ajar,
 Independent overheat protection alarm system
 RS232 Interface

SPECIFICATIONS

Model	BCAJ-301	BCAJ-304
Capacity	151 L	240 L
Temperature Range	5°C above ambient temperature to 50°C	
Temperature Uniformity	±0.2°C	
Temperature Stability	±0.1°C	
CO2 Range	0~20%	
CO2 Stability	±0.1%	
CO2 Sensor	Thermal conductivity	
CO2 Inlet Pressure	0.1 Mpa	
Filter	0.3um, Efficiency:99.998% (for CO2)	
Sterilization	90°C moist heat decontamination	
Heating method	Direct Heat & Air Jacket (DHA)	
Relative Humidity	≥ 95%	
Water Reservoir Volume	3 L	
Humidifying Method	Special designed water reservoir	
Jacket Type	Air jacket type	
Inner door	3 inner doors standard	6 mini inner doors optional
Temperature Sensor	PT1000	
Interior	Type 304, mirror finish, stainless steel	
Exterior	Electrolyzed galvanization steel, powder coated	
Shelve Dimension	423Wx445D mm	
Chamber Dimension	470x530x607 mm	607x583x670 mm
Overall Dimension	637x762x909 mm	780x820x944 mm
Shelf Construction	3,10	3,12
Remote Alarm	Standard	
Access port	Standard	
Weight (Net/Gross)	80 kg	
Power	600 W	735 W
Power Supply	220V/50Hz (standard), 110V/60Hz (Optional)	



BCAJ-301



BCAJ-304

300 CO₂ INCUBATOR AIR JACKETED



Microprocessor control
 Stainless steel shelves
 Power interruption, High/Low temperature, Deviation of CO₂, RH, Door ajar,
 Independent overheat protection alarm system

SPECIFICATIONS

Model	BCAJ-302	BCAJ-303
Capacity	151 L	212 L
Temperature Range	5°C above ambient temperature to 50°C	
Temperature Uniformity	±0.2°C	±0.3°C
Temperature Stability	±0.1°C	
CO ₂ Range	0~20%	
CO ₂ Stability	±0.1%	
CO ₂ Sensor	Thermal conductivity	
CO ₂ Inlet Pressure	0.1 Mpa	
Filter	0.3um, Efficiency:99.998% (for CO ₂)	
Sterilization	UV lamp	
Heating method	Direct Heat & Air Jacket (DHA)	
Relative Humidity	≥ 95%	
Water Reservoir Volume	4 L	6 L
Humidifying Method	Special designed water reservoir	
Jacket Type	Air jacket type	
Inner door	one inner door standard	
Temperature Sensor	PT1000	
Interior	Type 304, mirror finish, stainless steel	
Exterior	Electrolyzed galvanization steel, powder coated	
Shelve Dimension	423Wx445D mm	590Wx510D mm
Chamber Dimension	470x530x607 mm	600x588x600 mm
Overall Dimension	615x768x865 mm	910x763x795 mm

Shelf Construction	3,10	3,12
Remote Alarm	Standard	
Access port	Optional	
Weight (Net/Gross)	75 kg	95 kg
Power	600 W	700 W
Power Supply	220V/50Hz (standard), 110V/60Hz (Optional)	



BCAJ-302



BCAJ-303



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