

# Air Jacketed CO<sub>2</sub> Incubator

## LAJI-C1 series



[www.labtron.com](http://www.labtron.com)

[info@labtron.com](mailto:info@labtron.com)

## Air Jacketed CO2 Incubator LAJI-C1 series

Air Jacketed CO2 Incubator LAJI-C1 series offers outstanding temperature stability. Available with heat decontamination function and optional UV disinfection. Equipped with colored touch screen controller for displaying temperature, humidity, CO2 concentration. In forced convection mode unit and offers heating function which prevents condensation on outer door.

### Features:

- Air jacketed heater
- Colored touch screen controller
- Controller displaying temperature, humidity, CO2 concentration curves
- Optional HEPA filter
- 90°C moist heat decontamination function
- Optional UV disinfection
- IR sensor, real-time measurement of CO2 measurement
- In forced convection mode
- Heating function preventing condensation on outer door
- Independent temperature-limiting protection system
- CO2 pressure-relief valve with 2-stage control and stable pressure

### Applications:

Air jacketed CO2 incubators are widely used for a broad range of applications that includes Tissue engineering, In vitro fertilization, Neuroscience, Cancer research, Stem cell research, Regenerative medicine, Mammalian cell research.

### Specifications:

Model No.	LAJI-C10	LAJI-C11	LAJI-C12	LAJI-C13
Chamber Volume	40 L	80 L	155 L	233 L
Shelves	2	2	3	3
Heating Method	Air-jacketed	Air-jacketed	Air-jacketed	Air-jacketed
Temperature Range	RT+5 °C to 50 °C			
Temperature Resolution	0.1 °C			
Temperature Fluctuation	0.1 °C			
Temperature Gradient	≤ ± 0.5 °C			
Temperature Uniformity	± 0.3 °C			
Co2 Range	(0~20)% V/V			
Co2 Sensor	IR			
Co2 Control Resolution	0.1%			
Co2 Deviation	≤ ±0.3%V/V			
Humidity Method	Natural vaporization > 95%			
Interior Dimension (W×H×D)	400 × 350 × 286 mm	400 × 500 × 450 mm	480 × 610 × 530 mm	600×670×630 mm
Exterior Dimension (W×H×D)	590 × 576 × 440 mm	590 × 790 × 690 mm	670 × 880 × 770 mm	790 × 940 × 840 mm
Electrical Requirement	Ac220 V,50 Hz			
Power Consumption	400 W	500 W	650 W	950 W

### Optional Accessories:

- CO2 pressure releasing valve
- RS485 connector