



## Air jacketed CO<sub>2</sub> Incubator LAJI-C1 Series

Air Jacketed CO<sub>2</sub> Incubator LAJI-C1 Series offers outstanding temperature stability performance. Air Jacketed CO<sub>2</sub> Incubators features heat decontamination function and optional UV disinfection. Equipped with colored touch screen controller for displaying temperature, humidity, CO<sub>2</sub> concentration. In forced convection mode unit and offers heating function which prevents condensation on outer door.

## Features :

- ❑ Air jacketed CO<sub>2</sub> Incubator
- ❑ Coloured touch screen displays temperature, humidity, CO<sub>2</sub> concentration curves
- ❑ ISO Class 5 chamber with air renewal system
- ❑ Data logger with alarm features and dry contact alarm, humidity sensor with water top up alarm
- ❑ Meets sterilisation of 99.99% with 80°C heat on cells
- ❑ 90°C high temperature hot and humid sterilization system
- ❑ In forced convection mode
- ❑ Heating function preventing condensation on outer door
- ❑ Independent temperature-limiting protection system
- ❑ CO<sub>2</sub> pressure-relief valve with 2-stage control and stable pressure
- ❑ Optional HEPA filtration system

## Application :

Air jacketed CO<sub>2</sub> 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	LAJI-C10	LAJI-C11
Chamber Volume	40 L	80 L
Shelves	2	
Heating Method	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	
CO <sub>2</sub> Range	(0 to 20)% V/V	
CO <sub>2</sub> Sensor	IR sensor	
CO <sub>2</sub> Control Resolution	± 0.1%	
CO <sub>2</sub> Deviation	≤ ±0.3% V/V	
Humidity Method	Natural vaporization > 95%	
Interior Dimension (W×H×D)	400 × 350 × 286 mm	400 × 500 × 450 mm
Exterior Dimension (W×H×D)	590 × 576 × 440 mm	590 × 790 × 690 mm
Electrical Requirement	AC220 V,50 Hz	
Power Consumption	400 W	500 W

Model	LAJI-C12	LAJI-C13
Chamber Volume	155 L	233 L
Shelves	3	
Heating Method	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	
CO <sub>2</sub> Range	(0 to 20)% V/V	
CO <sub>2</sub> Sensor	IR sensor	
CO <sub>2</sub> Control Resolution	± 0.1%	
CO <sub>2</sub> Deviation	≤ ±0.3% V/V	
Humidity Method	Natural vaporization > 95%	

Interior Dimension (W×H×D)	480 × 610 × 530 mm	600 × 670 × 630 mm
Exterior Dimension (W×H×D)	670 × 880 × 770 mm	790 × 940 × 840 mm
Electrical Requirement	AC220 V, 50 Hz	
Power Consumption	650 W	950 W

## Optional Accessories :

- ☐ CO<sub>2</sub> pressure releasing valve
- ☐ RS485 connector