



## AIR JACKETED CO<sub>2</sub> INCUBATOR LAJI-C21

Air Jacketed CO<sub>2</sub> Incubator LAJI-C21 is a cooling and shaking incubator comprising single orbital platform with triple eccentric shaft balance drive, offers 40 to 300 rpm of speed. Adopted with six sides direct heating, auto-adjustable cycle fan speed, door heating system, and compressor this incubator offers continuous operation within 0 to 5999 min and 4 to 65°C of temperature range. Fluorine-free design with 304 stainless steel chamber, shelves, and platform with round curved corners, it is a load bearing structure provide excellent durability and performance. Equipped with IR sensor, color touch screen controller, password lock function, 90° high temperature and sterilization system, it has unique air duct design. With CO<sub>2</sub> concentration sensor, advanced alarm system, temperature control and monitoring system, Micro-biological & HEPA filter this incubator ensures controlled, uniform and stable conditions.

## Features

- ❑ CO<sub>2</sub> cooling and shaking incubator with air jacketed configurations
- ❑ Single orbital platform with triple eccentric shaft balance drive
- ❑ 6 sides direct heating with auto-adjustable cycle fan speed
- ❑ Door heating system at outer door and large toughened inner glass door for observation
- ❑ Continuous operation within 0 to 5999 min and 4 to 65°C of temperature range
- ❑ Fluorine-free design with 304 stainless steel chamber, shelves, and platform with round curved corners
- ❑ Low heat rejection brushless DC motor with high start torque
- ❑ CO<sub>2</sub> control and monitoring system with IR sensors
- ❑ Pollution proof control with Micro-biological & HEPA filter
- ❑ 90° high temperature and sterilization system for thoroughly sterilization of chamber
- ❑ Large color touch screen controller with password lock function
- ❑ Unique air duct design with high quality compressor
- ❑ Load bearing structure provide excellent durability and performance

- ❑ Alarm system: Temperature deviation, over temperature, high/low speed, door open, high/low CO<sub>2</sub> condensation, disinfection and sterilization reminder, auto cut-off of heat and fan, and auto-stop
- ❑ High- efficiency, with low power consumption

## Application

Air Jacketed CO<sub>2</sub> Incubator are used for tissue engineering, cell culture, in vitro fertilization, diagnostics, neuroscience, cancer research and for developing biosensors across medical research, pharmaceutical industry, scientific research, laboratories, etc.

## Specifications

Model	LAJI-C21
CO <sub>2</sub> range	0-20%
CO <sub>2</sub> recover time	(Return to 5% after opening the door for 30 seconds) ≤3 mins
CO <sub>2</sub> control accuracy	±0.1%
CO <sub>2</sub> stability of 5%CO <sub>2</sub>	±0.1%
CO <sub>2</sub> uniformity	±0.1%
CO <sub>2</sub> sensor	IR CO <sub>2</sub> sensor
Shaking frequency	40 to 300 rpm
Drive way	Three eccentric shaft balance drive type
Humidity control	50 to 90% RH
37°C humidity control accuracy	85% to 95% RH
Humidity resolution	0.1%
Humidity deviation	±2%
Allowable shaking load	15 kg
Temperature control range	4 to 65° C

Temperature uniformity	±0.5° C (test point at 37°C)
Ambient temperature	25°C
Heating method	6 side direct heating
Sterilization method	90° C moist heat sterilization
Timing range	0 to 5999 min
Platform movement	Orbital
Platform size (L×B)	450×450 mm (1pc)
Shelf	3 pcs
Display	Colorful touch screen controller
Sterilization system	90° high temp. high humidity sterilization system
Filter	Microbiological and HEPA filter
Motor	Low heat rejection brushless DC motor
Interface	RS485
Alarm system	Temperature deviation, over temperature, high/low speed, door open, high/low CO <sub>2</sub> condensation, disinfection and sterilization reminder, auto cut-off of heat and fan, and auto-stop
Orbital diameter	20 mm
Interior dimension (W×D×H)	605×700×520 mm
Exterior dimension (W×D×H)	793×975×853 mm
Gross Weight	98 kg (approx.)
Power	1800 W
Voltage	220V 50Hz
Flask Configuration	50 ml×36, 100 ml×23, 250 ml×13, 500 ml×8, 1 L×5, 2 L×3, 4 L×1, 5 L×1