AIR JACKETED CO2 INCUBATOR
LD-LAJI-B1 SERIES

Air Jacketed CO2 Incubator LD-LAJI-B1 series delivers a higher level of performance for a reliable in vitro growth environment through unified CO2 temperature and humidity control. It comes with 49 L | 80 L | 150 L capacity, and RT+5 to 50°C temperature range with 0 to 20% CO2 control range. Features hot air circulation system and UV Lamp disinfection system for periodic sterilization of test chamber. Designed with stainless steel, perforated shelves with semi-circular arcs at corners, for easy cleaning.

Features:

➤ Microprocessor-based PID controller with large LCD screen
➤ Functions incorporated like Alarm function for temperature difference, over CO2 concentration, door open time, working status, etc.
➤ Equipped with micro-organism filter at inlet for filtration of bacteria, dust, so that it supplies pure CO2 into the incubator
➤ Sterilization Method: UV Lamp disinfection
➤ Separate temperature-limiting alarm system for safe usage
➤ Auto-controller of fan speed to prevent sample damage
➤ Door temperature controller prevents dewfall on glass door
➤ Options are available to connect printer and computer for data recording (Optional) via RS-485 connector

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.	LD-LAJI-B10	LD-LAJI-B11	LD-LAJI-B12
Chamber Volume	49 L	80 L	150 L
Shelves	2 (pcs)		
Heating Method	Air-jacketed, PID Control		
Temperature Range	RT +5 to 50 °C		
Ambient Temperature	RT +5 to 30 °C		
Temperature Stability	± 0.1 °C		
CO2 Range	0 to 20 %		
CO2 Control Resolution	± 0.1 % (IR sensor)		
CO2 Recovery	(Door open 30 s, recovery to 5 %) ≤ 1.2 min		

Temperature Recovery	Temperature Recovery (Door open 30 s, recovery to 37°C) ≤ 8 min		
Sterilization Method	UV Lamp disinfection		
Humidity Method	Natural vaporization > 90 %		
Interior Dimension (W × D × H)	400 × 350 × 350 mm	400 × 450 × 500 mm	480 × 530 × 610 mm
Exterior Dimension (W × D × H)	580 × 450 × 540 mm	590 × 657 × 870 mm	670 × 710 × 950 mm
Power	AC 220 V / 50 Hz		
Power Consumption	350 W	500 W	750 W

Optional Accessories:

- RS485 Connector
- Humidity Display
- CO2 pressure releasing valve
- Built-in printer
- Independent temperature-limited controller