



KLABS CO₂ INCUBATOR



Product Description

KLABS CO₂ Incubator is designed to provide optimal environmental conditions for cell culture growth with precise control of temperature, CO₂ concentration, and humidity. Built with advanced air jacket and water jacket systems, it ensures uniform conditions, contamination control, and reliable performance for laboratory applications

Features

- Water tank for humidity control
- Air jacket with UV lamp for sterilization
- Water jacket with HEPA filtration
- USB port and LCD display for real-time monitoring
- High-quality CO₂ gas inlet ensures stable concentration
- Microprocessor PID controller for precise control
- Infrared CO₂ sensor for accurate measurement
- Fan-less design reduces contamination and noise
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Applications

- Cell culture laboratories
- Pharmaceutical research
- Microbiology labs
- Biotechnology research

Uses

- Maintaining controlled CO₂ environment
- Cell growth and incubation
- Contamination-free sample storage
- Research and testing applications



Technical Specifications

Parameter	Specification
Product Type	KLABS CO ₂ Incubator
Temp. Range	RT +5°C to 60°C
Controller	Microprocessor Controller
Temp. Fluctuation	≤ ±0.2°C (at 37°C)
Temp. Uniformity	≤ ±0.3°C (at 37°C)
Timer	999h / Continuous
Alarm	Audible & Visual (Over Temp, CO ₂ Alarm)
Shelves	2 pcs Adjustable
Material	Powder Coated Steel (Ext.) / Stainless Steel (Int.)
Door	Inner Glass + Outer Door
CO ₂ Range	0 – 20%
CO ₂ Resolution	0.10%
CO ₂ Sensor	Infrared Sensor
Humidity	Water Tank (Natural Evaporation)
Sterilization	UV Lamp
Ambient	18–30°C, RH <80%
Power	AC 110/220V ±10%, 50/60Hz
Consumption	1000W

Dimensions Table

Model	Cap.	Heat	Internal (mm)	External (mm)	Packing (mm)	Wt.
LMX-C50	50L	Air	368×387×408	500×527×821	655×680×970	69
LMX-C80	80L	Air	398×446×498	600×596×921	730×735×1070	83
LMX-C80	80L	Water	398×446×498	600×596×921	730×735×1070	83
LMX-C160	160L	Air	380×450×590	628×543×1033	680×780×1220	109
LMX-C160	160L	Water	498×546×678	700×666×1101	790×830×1250	146