

CO₂ incubators find applications in tissue engineered products, in-vitro fertilization, diagnostics, cancer research and other medical, pharmaceutical related industries. CO₂ incubators are used to culture cells to provide it with the optimum temperature, moisture (sterile environment) and to maintain optimum pH under a CO₂ atmosphere.

Salient Features :

- Imported infrared CO₂ Sensor.
- CO₂ concentration Restoration Speed.
- Polished stainless-steel chamber, rounded corners for easy cleaning. Adjustable shelves.
- Microorganism Filter at Inlet provides 99% filtration of bacteria and dust ($\Phi < 0.3\mu\text{m}$) and supplies pure CO₂ into the incubator.
- Door temperature controller prevents condensate water on glass door of incubator effectively.
- Independent audio-visual temperature limiting alarm system.
- Alarm function for temperature difference, CO₂ over concentration and concentration difference, door open time, UV working status.
- Automatic control of fan speed to maintain uniform temperature and prevent damage to samples.
- Hot air sterilizing circulation system.
- PID controller with large LCD screen ensures precise and reliable control



RCO-150 Plus

Technical Data		
Model	RCO-80 Plus	RCO-150 Plus
Chamber Volume (Liters)	80	150
Sensor	Infrared CO ₂	
Heating Method	Air-Jacketed, PID Control	
CO ₂ Range	0~20% V/V	
CO ₂ Control resolution	± 0.1% (IR sensor)	
Temperature Range	RT+5~55°C	
Temperature Stability	±0.1°C	
Humidity Method	Natural vaporization > 95%	
CO ₂ Recovery	(Door open 30s, recovery to 5%) ≤ 3 min	
Temperature Recovery	(Door open 30s, recovery to 37°C) ≤ 8 min	
Shelves	2	3
Interior Dimension (mm) (W x D x H)	400x450x500	480x530x610
Exterior Dimension (mm) (W x D x H)	590x687x790	670x767x880

Supply: 220-240 Volts, 50 Hz Single Phase