

CO₂ Incubator WCI-180N



The incubator is ideal for the experiments of the cultivation of animal cells, sperm/ovum, anaerobic cells, all sorts of microbe cells, hatching/germinating and special tissues.

Features

Fast Heat-Up, Fast-Recovery, Stable Control

- 6 Sides Direct Heating System

Electric Heating wire is covered on all sides of chamber which makes stable uniformity and provides fast heat-up & temperature recovery. 3 parts of heating section are controlled and calibrated individually by 3 temperature sensors.

- Dry Wall and Air Jacket

Warm Air from heating wire is preserved in space between chamber and insulation. It helps temperature recovered faster and minimize heat loss. Dry wall with insulation is not required to regular maintenance.

- DUAL BEAM IR CO2 Sensor

Fast & Precise Detection for CO2 gas regardless of temperature and humidity.

- Natural Humidification using Water Tray

The heater on bottom side warm the water in tray and it makes humidification. Circulation fan deliver the moisture formed from the water in entire chamber.

- No Condensation

Heating by front door heater & frame heater prevent condensation in chamber and on glass door.

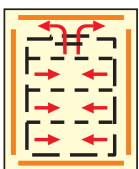
- Microprocessor PID Control

Intelligence Control for CO2 density, Temperature, Alarm, Automatic Decontamination (Optional).

- HEPA filtration of gas supply inlets

- Various Option

Various option such as decontamination, Oxygen Control is available in CO2 incubators



Natural Air and Moisture Convection

Natural Air and Moisture Convection Air and Moisture in chamber are distributed naturally by 6 side heating, air circulation fan.



Easy to clean

Rounded Conner allows easy cleaning. Entire chamber is made of stainless steel (SUS304)



Perforated Shelves

Perforated Shelves are good for natural air flows and are made of stainless steel which are resistant against rust and contamination.



Alarm System

Buzzer to alarm low or high deviation of CO2, Temperature



Over Heating Limit

Heating is automatically cut by safety device when temperature control failed or there is excessive heating over set point.

Specifications

Model	WCI-180N	
Chamber volume (L)	180	
Temp. °C	Range	Ambient+5~60
	Accuracy	±0.1°C (37°C)
	Resolution	0.1°C
	Control	Digital PID
	Uniformity	0.3°C (37°C)
CO2	Range	0% ~ 20%
	Accuracy	±0.1% (5% 37°C)
	Resolution	0.1%
	Sensor	IR CO ₂ Sensor
	Control	Microprocessor
	Inlet pressure range	0.3~0.5bar
Display	LED Display	
Operating panel	Individual 2 Channel Touch Button	
Jacket type	Dry Wall Type (6 sides heat)	
Chamber material	Stainless Steel (304)	
Number of shelves	3/8	
Chamber dimension (W x D x H)	473x528x710mm	
Overall dimension (W x D x H)	560x620x945mm	
Weight (kg)	79.5	
Order No.	189122N	

Accessories about the CO2 Incubators

Order No.	Name	Description
189131	Holes for auxiliary monitoring	Diameter of 25mm, on the left side of the incubator
189144	HEPA	HEPA filtration of gas supply inlets
189133	UV sterilization unit	4W UV lamp. Install the side of the top fan
189134-02	Dry heat sterilization unit	125°C Hot Air Sterilization for 180 Liter Incubator, WCI-180N
189139-02	Glass door	For WCI-180N (six regions)
189141-02	Shelves	SHELVE for WCI-180N
189142-02	Roller Base	Table for WCI-180N, Height 20cm from Bottom
189143-02	Stacking Kit	for WCI-180N

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