CO_2 Incubator
With Infrared CO_2 Sensor



Product Features

- Rapid CO_2 concentration Restoration
- Infrared sensor keeps CO_2 concentration stable and uniform even over periods of frequent door opens
- Polished stainless-steel chamber, with rounded corners construction and adjustable shelves
- Equipped with microbiological grade HEPA filter at the CO_2 access port, effectively filtering particles ≥0.3μm including bacteria, dust and gas contaminants with a filtration efficiency of 99.99%
- Door heater prevents condensation formation on glass door of incubator
- Independent audible and visible temperature-limiting alarm system
- Alarm function for low and over temperature, CO_2 over concentration, doorajar and UV operation status
- Auto-controlled fan speed to prevent damage to samples
- UV light system for periodic sterilization of chamber
- PID controller with LCD screen ensures precise and reliable control
- Stackable up to 2 units

Add-Ons

- RS485 connection: Offers computer connection to download and save all data via RS485
- High effective filter provides filtration of bacteria and dust
- CO_2 pressure release valve
- Humidity display
- Printer (Nested)
- Temperature-limiting alarm system
- Cooling system

Specifications

Model	BPN-80CH (UV)	BPN-150CH (UV) BPN-190CH (UV)
Electrical Requirement (V/Hz)	220/50	
Power Consumption (W)	450/500	750W
Heating Method	Air-jacket, PID Control	
Temperature Range (°C)	RT+5~55	
Operating Ambient Temperature (°C)	+5~30	
Temperature Stability (°C)	±0.2	
CO_2 Range (%)	0~ 20%	
CO_2 Control Resolution	±0.1% (IR sensor)	
CO_2 Recovery (min)	(Door opens 30s, recovery to 5%) ≤ 3	
Temperature Resolution	(Door opens 30s, recovery to 37°C) ≤ 8	
Humidity Method/Maximum	Natural evaporation ≥ 90%	
Chamber Volume (L)	80L	150L/190L
Interior Dimension (W*D*H)(mm)	400*350*350 400*450*500	480*530*610 520*530*690
Exterior Dimension (W*D*H)(mm)	580*450*730 590*657*870	670*710*950 708*710*1030
Shelves (pcs)	2 (pcs)	3 (pcs)
Sterilization method/Duration (hrs)	UV Sterilizer	