

# **BPN-50CH(UV) Series Co2 Incubator**



## **Co2 Incubator–Intelligentized microprocessor control**

### Summary:

CO2 incubator is not only an advanced instrument for the cultivation of cells, tissues, and bacteria but also a key equipment for immunology, oncology, genetics, and bioengineering. It is widely applicable for research and production of microorganisms, agricultural science, and pharmacology.

### Features:

1. Customized design, microprocessor control, stainless-steel chamber, semicircular arcs at corners for easy cleaning.
2. Can sterilize circulatory air and the cell in the humid tray by Ultraviolet Lamp which locates the back of the box.
3. Equipped with microorganism HEPA Filter, can filter the atom larger than 0.3 um, filter efficiency more than 99.99%.
4. Glass-door warm system can heat up the inner door, avoid the condensed water products that reduce the possibility of Microbial Contamination.
5. With circulating fan speed auto-control system, avoid the volatilization of a sample when the fan speed is too fast.
6. Over-temperature warning and alarm.
7. Door open time too long alarm.
8. UV light system for periodic sterilization of chamber

### Option:

1. Humidity Display
2. CO2 pressure-releasing valve
3. RS-485 connector and communication software.
4. Independent audible and visible temperature-limiting alarm system ensures experiments run safely

Specification:

<b>Model</b>	<b>BPN-50CH(UV)</b>	<b>BPN-80CH(UV)</b>	<b>BPN-150CH(UV)</b>	<b>BPN-80CW(UV)</b>	<b>BPN-150CW(UV)</b>
Electrical Requirements	220V 50HZ (110V 60Hz Option)				
Input Power	350W	500W	750W	680W	950W
Heating Method	Air-jacketed			Water-jacketed	
Temperature Range	RT+5 ~ 50°C				
Temperature Control	0.1°C				
Temperature Stability	±0.2°C			±0.1°C	
CO2 Range	0~20% V/V (air-adjusting type)				
CO2 Recovery	≤Calibration*1.2min				
Humidifying Method	Natural evaporation				
Ambient temperature	+5~30°C				
Cubage	49L	80L	155L	80L	155L
Interior Dimension(mm)W*D*H	400*350*350	400*400*500	530*480*610	400*400*500	530*480*610
Overall Dimension (mm)W*D*H	580*450*540	580*500*690	650*630*800	580*500*690	650*630*800
Shelves per Chamber(Normal)	2(pcs)		3(pcs)	2(pcs)	3(pcs)

\* Specification test under no load condition: ambient temperature 20°C, and relative humidity 50%.