Incubator
CO₂ Incubator

LCD Display

USB Port

Features:

＊ IR infrared sensor, using dual-channel dual-filter infrared technology.

＊ The design of multiple small doors reduces the amount of air exchange between the outside space and the inside of the incubator during the opening process.

＊ Inner tank is made of 304 mirror finish stainless steel, featuring a semi-circular corner design for faster and more effective bottom cleaning and sterilization.

＊ The design of the 3D airflow channel ensures uniform CO_2 distribution, enhancing the accuracy of IR sensor data collection.

＊ The interior is heated uniformly by aluminum foil-wrapped silicone heating wires, ensuring rapid temperature increase and excellent uniformity.

＊ High quality HEPA filter ensures the inside gas quality.

＊ SMC brand solenoid valves ensure more stable gas concentration and less consumption of gas.

＊ Equipped with leakage current and over-voltage protectors. Features over-temperature, under-temperature, over-concentration and under-concentration alarms.

＊ The water reservoir in the bottom chamber ensures high humidity.

Technical Parameters:

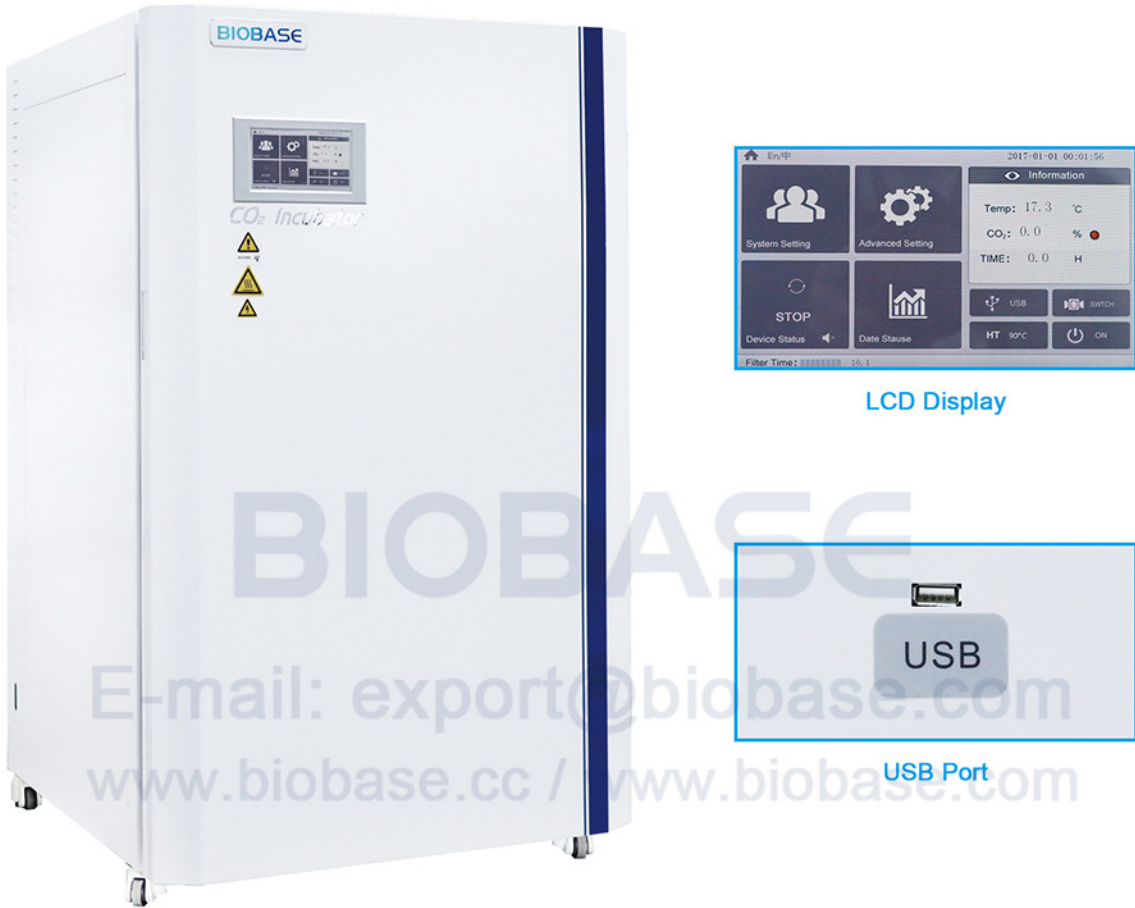| Model	BJPX-C100M	BJPX-C160M	BJPX-C200M	BJPX-C300M
Type	Medical series, air jacket			
Sterilization Type	90℃ moist heat sterilization			
Capacity	100L	160L	200L	300L
Temp. Sensor	PT100			
Temp. Range	RT＋5~60℃			
Temp. Fluctuation	±0.3℃ (@37℃)			
Temp. Uniformity	±0.5℃ (@37℃)			
Temp. Precision	0.1℃			
Timing Range	0~999h or continuous			
Display	7-inch touch screen			
CO₂ Control	IR infrared sensor with calibration certificate			
CO₂ Range	0~20vol%			
CO₂ Uniformity	0.2vol%			
CO₂ Control Resolution	0.1vol%			
Ambient Temperature and Humidity	Ambient temperature: 5~30℃ (Recommendation: 25±2℃) Ambient humidity: ≤80%			
Filter	CO₂ gas filter			
Power Supply	AC 220V, 50/60Hz (Standard); 110V, 50/60Hz (Optional) (External transformer) Wiring method: plug			
Consumption	800W	820W	840W	1800W
Shelves	2pcs, adjustable		3pcs, adjustable	
Standard Accessories	Shelves, USB interface, CO₂ relief valve, CO₂ gas filter			
Optional Accessory	Water pump			
Internal Size(W*D*H)	407*415*615mm	457*470*753mm	505*470*857mm	567*500*1068mm
External Size(W*D*H)	632*740*894mm	682*796*1030mm	730*796*1134mm	792*830*1344mm
Package Size(W*D*H)	757*865*1055mm	807*921*1190mm	855*921*1294mm	917*955*1504mm
Net Weight	95kg	110kg	130kg	185kg
Gross Weight	120kg	135kg	155kg	210kg

Introduction:

The CO₂ incubator simulates the growth environment of cells/tissues in vivo by simulating in the incubator. The incubator requires a stable temperature (37°C), a stable CO₂ level (5%), a constant pH (pH: 7.2~7.4), and a high relative saturated humidity (95%). It is a device for cell/tissue culture in vitro.

Application:

It is suitable for a wide range of fields such as cytology, biology, oncology, genetics, immunology, virus research and genetic engineering research. It is an ideal device for the cultivation of cells, tissues and bacteria in scientific research units and industrial production departments such as modern medicine, pharmaceutical industry, biochemistry and agricultural science.