

Incubator

CO₂ Incubator



LCD Display

USB Port

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.

Features:

- * Air jacket: with 90°C steam sterilization function.
- * Equipped with USB port and LCD touch screen, the incubator can save data in real time.
- * High quality infrared sensor for accurate CO₂ concentration.
- * The working chamber adopts round angle structure, easy to clean.
- * High quality HEPA filter ensures the inside gas quality.
- * SMC brand gas circuit valves ensure more stable gas concentration and less consumption of gas.
- * Push-pull shelves with holes ensures better temperature uniformity.
- * Microcomputer controller, LCD displays temperature, CO₂ concentration, run-time and timing.
- * Three Liters water reservoir in the bottom chamber ensures high humidity.

Technical Parameters:

Model	BJPX-C100M	BJPX-C160M	BJPX-C200M	BJPX-C260M	BJPX-C300M
Type	Air Jacket				
Capacity (L)	100	160	200	260	300
Temp. Sensor	PT100				
Temp. Range	RT+5~60°C				
Temp. Fluctuation	±0.2°C (at 37°C)				
Temp. Uniformity (°C)	±0.3°C (at 37°C)				
CO ₂ Control	IR sensor, NIST certificate				
CO ₂ Range	0~20%				
CO ₂ Control Resolution	±0.1%				
Resolution (vol%)	±0.2%				
Ambient Temperature (°C)	5~30°C, Suggest 25±2°C				
Filter	HEPA filter				
Internal Size (W*D*H) mm	407*415*615	457*470*753	505*470*857	557*475*997	567*500*1068
External Size (W*D*H) mm	632*740*894	682*796*1030	730*796*1134	782*805*1274	792*830*1344
Shelves	2 pcs/ adjustable		3 pcs/ adjustable		
Data Store	USB interface				
Display	7.0-inch touch screen				
Sterilization	90°C steam sterilization				
Power Supply	AC220V,50/60Hz (Standard); AC110V,60HZ (Optional)				
Consumption (W)	800	820	840	1380	1800
Packing Size (W*D*H)mm	757*865*1055	807*921*1190	855*921*1294	907*930*1434	917*955*1504
Gross Weight (kg)	120kg	135kg	155kg	190kg	210kg