



## CO2 INCUBATOR AIR JACKETED BER-8401

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## CO2 INCUBATOR



1. Full color 7.0 inch touch screen.
2. Standard Germany infrared high temperature and high precision CO2 concentration sensor.
3. Has three levels of authority management function, with high temperature 180°C sterilization function.
4. Six side heating air jacket heating system, while the design of a reasonable air duct mechanism, good temperature uniformity, heating, rapid return temperature.
5. Adopts chassis reservoir design with large evaporation area and fast moisture return. With a door heating device, can avoid the inner door glass condensation. The product is equipped with high efficiency filter and intake filter to ensure the cleanliness of the air in the working room.

## SPECIFICATIONS

|                          |                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------|
| Model                    | BER-8401                                                                                                               |
| Heating System           | Air jacket                                                                                                             |
| Performance              |                                                                                                                        |
| --Temp Range             | RT+5~55°C                                                                                                              |
| --Temp Resolution Ratio  | 0.1°C                                                                                                                  |
| --Temp Fluctuation       | ±0.1°C                                                                                                                 |
| --Temp Uniformity        | ±0.3°C                                                                                                                 |
| --CO2 Sensor             | Infrared type/measuring range: 0.0~21.0%                                                                               |
| --CO2 Control Range      | 0.0~20.0%                                                                                                              |
| --CO2 Control Accuracy   | ±0.1%                                                                                                                  |
| Construction             |                                                                                                                        |
| --Inner Chamber          | SUS304 stainless steel studio                                                                                          |
| --Outer Shell            | Cold-rolled steel plate, surface electrostatic spraying                                                                |
| --Insulation Layer       | Polyurethane                                                                                                           |
| --Heater                 | Heating sheet                                                                                                          |
| --Humidity Method        | Humidifying pan evaporates naturally                                                                                   |
| --Rated Power            | 0.4kW                                                                                                                  |
| --Gas Vent               | Φ27mm rear (with test hole function)                                                                                   |
| --Other                  | HEPA filter                                                                                                            |
| Controller               |                                                                                                                        |
| --Temp Control Mode      | Intelligent fuzzy PID control                                                                                          |
| --Temp Setting Mode      | Touch screen                                                                                                           |
| --Timer                  | 0~9999 minutes (with timing wait function)                                                                             |
| --Operation Function     | Fixed value operation, timed operation, automatic stop                                                                 |
| --Sterilization Function | Ultraviolet sterilization, wet heat sterilization, high temperature sterilization                                      |
| --Additional Function    | Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power off parameter memory |
| --Sensor                 | PT100, water level sensor, CO2 sensor                                                                                  |
| Safety Device            | High temperature alarm                                                                                                 |
| Specification            |                                                                                                                        |
| --Inner Chamber(W*L*Hmm) | 345*375*388                                                                                                            |

|                                         |                |
|-----------------------------------------|----------------|
| --Exterior Size(W*L*H mm)               | 500*500*655    |
| --Packing Size(W*L*H mm)                | 620*620*855    |
| --Inner Volume                          | 50L            |
| --Shelf Number                          | 4              |
| --Load Per Rack                         | 15kg           |
| --Shelf Space                           | 35mm           |
| --Power Supply (50/60 Hz) Rated Current | AC220V/1.8A    |
| --NW/GW (kg)                            | 55/70          |
| --Shelf                                 | 2              |
| --Partition Rack                        | 4              |
| Optional Accessories                    | Shelf, printer |
| Alt Name                                | CO2 Incubator  |



## APPLICATIONS

Widely used in microbiology, medicine, pharmaceutical, environmental protection, food, animal husbandry and other scientific fields of research and production. It is commonly used in the research fields of cell dynamics, collection of mammalian cell secretions, carcinogenic or toxicological effects of various physical and chemical factors, research and production of antigens, culture of hybridoma cells for antibody production, stem cells, tissue engineering, drug screening and other research fields.



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