



## PELTIER INCUBATOR BER-7801

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## PELTIER-COOLED INCUBATORS

Semiconductor refrigeration incubator uses Peltier (semiconductor) refrigeration technology to achieve low temperature control of the incubator, which has the advantages of energy saving, environmental protection and high efficiency, and has heating and cooling functions. It is an ideal constant temperature equipment for the cultivation of bacteria, mold and other microorganisms in a low temperature environment, as well as sample storage, plant cultivation, plant breeding and other tests.



1. Controller color screen LCD display, fuzzy PID control technology, accurate and stable temperature control.
2. Double-layer door structure, the inner door adopts high-quality tempered glass to facilitate the observation of samples, the outer door adopts magnetic rubber strip, easy to open and close, good sealing.
3. Standard UV germicidal lamp, with sterilization timing function, standard built-in universal socket, convenient internal equipment power supply.
4. Industrial medical grade semiconductor refrigeration system, to ensure the long-term stable operation of the refrigeration system, energy saving and environmental protection maintenance is convenient.
5. The same specification can be superimposed to save laboratory space and improve space utilization.

## SPECIFICATIONS

|                                     |                                                                                                                                                       |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                               | BER-7801                                                                                                                                              |
| Circulation Mode                    | Forced Convection                                                                                                                                     |
| Function                            |                                                                                                                                                       |
| --Temp Range                        | RT minus 20°C--65°C                                                                                                                                   |
| --Temp Resolution Ratio             | 0.1°C                                                                                                                                                 |
| --Temp Fluctuation                  | ±0.5°C                                                                                                                                                |
| --Temperature distribution accuracy | ±0.5°C(37°C)                                                                                                                                          |
| Structure                           |                                                                                                                                                       |
| --Inner Chamber                     | Mirror stainless steel plate                                                                                                                          |
| --Outer Shelf                       | Cold-rolled steel plate, surface electrostatic spraying                                                                                               |
| --Insulation Layer                  | Polyurethane                                                                                                                                          |
| --Heater                            | Heater Plate                                                                                                                                          |
| --Refrigerator                      | Semiconductor Chilling Plate                                                                                                                          |
| --Power Rating                      | 0.35kw                                                                                                                                                |
| Controller                          |                                                                                                                                                       |
| --Temp Control Mode                 | Intelligent fuzzy PID                                                                                                                                 |
| --Temp Setting Mode                 | Touch Type Key Setting                                                                                                                                |
| --Tempe Display Mode Representation | Measuring the temperature four-bit liquid crystal display in the upper row, setting the temperature four-bit liquid crystal display in the lower row. |
| --Timer                             | 0-9999 minutes (with timing wait function)                                                                                                            |
| --Operation Function                | Fixed value operation, timed operation, automatic stop.                                                                                               |
| --Additional Function               | Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power off parameter memory.                               |
| --Sensor                            | PT100                                                                                                                                                 |
| Safety Device                       | Overtemperature sound and light alarm                                                                                                                 |
| Specification                       |                                                                                                                                                       |
| --Inner Chamber(W*L*H mm)           | 330*320*430                                                                                                                                           |
| --Exterior Size(W*L*H mm)           | 415*445*758                                                                                                                                           |

|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| --Packing Size(W*L*H mm)                | 535*565*933                             |
| --Inner Volume                          | 45L                                     |
| --Power Supply (50/60 Hz) Rated Current | AC220V/1.6A                             |
| --NW/GW(kg)                             | 20/25                                   |
| Optional Accessories                    | Partition board, USB communication port |
| Alt Name                                | Peltier-Cooled Incubators               |

## APPLICATIONS

Widely used in environmental protection, health and epidemic prevention, drug testing, agriculture and livestock, aquatic products, universities, research institutes and other fields of major laboratories.



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