



## Incubadora de temperatura constante 50-155 L

**Código:** B2-01-010342

**Marca:** Belltronic

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### Detalle

The Constant-Temperature Incubator is a reliable and precise device designed for maintaining stable temperatures necessary for the growth and storage of biological samples. Ideal for use in laboratories, research facilities, and medical settings, this incubator ensures consistent environmental conditions for optimal sample integrity.

#### Features

1. Outer material: cold-rolled steel plate surface sprayed with plastic; internal material: SUS304 stainless steel.
2. The electric heating plate heats quickly, with a uniquely designed air duct circulation system,
3. P.I.D temperature controller, continuous operation or timing operation: 0~9999min, precise temperature control, and small temperature fluctuation.
4. Parameter memory function: In cold start or hot start power-on mode, the interrupted power supply will automatically resume operation after restoration.
5. It has a safety monitoring function, and the temperature protection value can be set, and it will automatically disconnect when an abnormality occurs.
6. An external independent temperature protector provides an extra layer of safety protection and can avoid experimental accidents.
7. Equipped with a test hole.
8. USB data recording serial port is convenient for recording and storing experimental data.

### Especificaciones técnicas

| Especificación             | 50L                                                                                                                                                                                               | 105L                                                                                                                                                                                              | 155L                                                                                                                                                                                              |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Capacidad                  | 50L                                                                                                                                                                                               | 105L                                                                                                                                                                                              | 155L                                                                                                                                                                                              |
| Rango de temperatura       | Temperatura ambiente+5~70°C                                                                                                                                                                       | Temperatura ambiente+5~70°C                                                                                                                                                                       | Temperatura ambiente+5~70°C                                                                                                                                                                       |
| Uniformidad de temperatura | ±0.5°C a 37°C; ±0.9°C a 50°C                                                                                                                                                                      | ±0.6°C a 37°C; ±1°C a 50°C                                                                                                                                                                        | ±0.6°C a 37°C; ±1°C a 50°C                                                                                                                                                                        |
| Fluctuación de temperatura | ≤±0.3°C                                                                                                                                                                                           | ≤±0.3°C                                                                                                                                                                                           | ≤±0.3°C                                                                                                                                                                                           |
| Método de calefacción      | Calefacción inferior y lateral                                                                                                                                                                    | Calefacción inferior y lateral                                                                                                                                                                    | Calefacción inferior y lateral                                                                                                                                                                    |
| Orificio de prueba         | φ38mm, 1 unidad                                                                                                                                                                                   | φ38mm, 1 unidad                                                                                                                                                                                   | φ38mm, 1 unidad                                                                                                                                                                                   |
| Modo de convección         | Convección natural                                                                                                                                                                                | Convección natural                                                                                                                                                                                | Convección natural                                                                                                                                                                                |
| Estantes                   | 2 unidades                                                                                                                                                                                        | 2 unidades                                                                                                                                                                                        | 2 unidades                                                                                                                                                                                        |
| Accesorios opcionales      | Lámpara UV, comunicación RS485, microimpresora de matriz de puntos, pantalla táctil a color, controlador de temperatura PID programable, operación por programa de máximo 10 grupos × 9 segmentos | Lámpara UV, comunicación RS485, microimpresora de matriz de puntos, pantalla táctil a color, controlador de temperatura PID programable, operación por programa de máximo 10 grupos × 9 segmentos | Lámpara UV, comunicación RS485, microimpresora de matriz de puntos, pantalla táctil a color, controlador de temperatura PID programable, operación por programa de máximo 10 grupos × 9 segmentos |
| Potencia                   | 200W                                                                                                                                                                                              | 300W                                                                                                                                                                                              | 400W                                                                                                                                                                                              |
| Alimentación eléctrica     | 220V 50/60Hz; opcional: 110V 50/60Hz                                                                                                                                                              | 220V 50/60Hz; opcional: 110V 50/60Hz                                                                                                                                                              | 220V 50/60Hz; opcional: 110V 50/60Hz                                                                                                                                                              |

| Especificación           | 50L           | 105L          | 155L           |
|--------------------------|---------------|---------------|----------------|
| Dimensiones del embalaje | 620*620*870mm | 740*660*990mm | 840*750*1050mm |
| Peso bruto               | 57kg          | 76kg          | 95kg           |

## Aplicaciones

### 1. Define the working conditions

Confirm the temperature range your culture needs and how it relates to the ambient temperature of the laboratory.

- **Capacity:** 50L
  - **Temperature Range:** RT+5~70°C
- **Capacity:** 105L
  - **Temperature Range:** RT+5~70°C
- **Capacity:** 155L
  - **Temperature Range:** RT+5~70°C

Check the temperature uniformity at the working temperature you will use.

- **Capacity:** 50L
  - **Temperature Uniformity:**  $\pm 0.5^{\circ}\text{C}$  at  $37^{\circ}\text{C}$ ;  $\pm 0.9^{\circ}\text{C}$  at  $50^{\circ}\text{C}$
- **Capacity:** 105L
  - **Temperature Uniformity:**  $\pm 0.6^{\circ}\text{C}$  at  $37^{\circ}\text{C}$ ;  $\pm 1^{\circ}\text{C}$  at  $50^{\circ}\text{C}$
- **Capacity:** 155L
  - **Temperature Uniformity:**  $\pm 0.6^{\circ}\text{C}$  at  $37^{\circ}\text{C}$ ;  $\pm 1^{\circ}\text{C}$  at  $50^{\circ}\text{C}$

### 2. Compare the capacity with your samples

Compare the chamber capacity with the number of samples you will incubate and the number of shelves you need.

- **Capacity:** 50L
  - **Capacity:** 50L
- **Capacity:** 105L
  - **Capacity:** 105L
- **Capacity:** 155L
  - **Capacity:** 155L

### 3. Plan the installation

Check that the available electrical supply matches that of the unit.

- **Capacity:** 50L
  - **Power Supply:** 220V 50/60Hz; optional: 110V 50/60Hz
- **Capacity:** 105L
  - **Power Supply:** 220V 50/60Hz; optional: 110V 50/60Hz
- **Capacity:** 155L
  - **Power Supply:** 220V 50/60Hz; optional: 110V 50/60Hz

Reserve space considering the packing dimensions for transport.

- **Capacity:** 50L
  - **Packing Size:** 620\*620\*870mm



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- **Capacity:** 105L
  - **Packing Size:** 740\*660\*990mm
- **Capacity:** 155L
  - **Packing Size:** 840\*750\*1050mm

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