

# Electric Thermostatic Incubator

## Overview of Applications

An essential piece of equipment for scientific research in colleges and universities, biology, agriculture, and research institutions, used for strain preservation, biological culture, 37°C virus culture and other research-related purposes.

## Energy-Saving Design

1. The cabinet sealing ring adopts a new synthetic silica gel sealing strip with better sealing performance, which effectively prevents heat loss, saves **\*\*25% energy\*\*** and achieves higher heating efficiency compared with traditional equipment.
2. Automatically adjusts control parameters according to ambient temperature and load capacity to achieve an optimal heating mode and reduce energy consumption.

## Intelligent LCD Control

1. Large-screen LCD display with real-time parameter showing and easy operation.
2. Menu-driven operation interface for quick setting of temperature and time parameters with simple and convenient operation.
3. Operation functions: constant value operation and timed operation. When the set running time is completed, the screen displays "END" with a buzzer reminder.
4. Optional program control instrument: up to 30 program segments can be set to control temperature and time, with each segment settable for 1 hour 0 minute to 99 hours 59 minutes.



## Internal Circulation System

1. High-temperature resistant fan with a large impeller, makes higher ventilation efficiency and better temperature uniformity.
2. The circulation system adopts back air suction and vertical air supply from the bottom, ensuring better ventilation effect and superior temperature uniformity.

## Special Sheet Metal Processing

1. The cabinet is formed in one piece by laser cutting. The outer cabinet is made of

high-quality cold-rolled steel plate with anti-static spray coating, and the inner liner is made of high-quality brushed stainless steel.

2. The partition board is made of high-quality stainless steel with no welding points; a load-bearing beam is added at the bottom of the partition board for stronger load-bearing capacity.
3. The partition board is detachable and adjustable up and down with a minimum spacing of 30mm.
4. The partition board is designed with slide rail bayonets to prevent tilting and dislocation.
5. Large arc corner design with no dead corners for easy cleaning and maintenance.
6. Brushed stainless steel treatment for strong corrosion resistance.
7. Tempered double-layer glass observation window for a clear view of the objects inside the working chamber.

## Humanized Design

1. Optional Chinese and English menus.
2. Support for temperature conversion between °C and °F.
3. Stackable design to save laboratory space.
4. Three-sided thermal radiation heating method with small temperature overshoot inside the cabinet and more uniform temperature.

## Safety Functions

1. The thermal insulation material is high-quality aluminum silicate spun cotton, and the cabinet is designed with a thickened thermal insulation layer to ensure a low surface temperature for safer operation.
2. The system is equipped with an over-temperature control acousto-optic alarm system: heating stops when the temperature exceeds the limit, and an automatic acousto-optic alarm is triggered when the temperature exceeds the alarm threshold.
3. Self-diagnosis function: the display shows fault information when the equipment malfunctions, facilitating the identification of fault points.
4. Support for setting of high temperature alarm, low temperature alarm and over-temperature alarm.
5. One-year warranty.

## Optional Accessories

1. Intelligent touch screen with program setting and data storage functions
2. Independent over-temperature controller
3. Test hole
4. BOD socket
5. Printer or 485 interface (optional for intelligent program controller)
6. UV germicidal lamp

Note: Performance parameters are tested under no-load conditions with an ambient temperature of 25°C and ambient humidity of 55%RH.

## Technical Parameters

<b>Product Name</b>	<b>Electric Thermostatic Incubator</b>			
Model	EPR-50A	EPR-70A	EPR-150	EPR-250
Temperature Control Range	RT+5~65°C			
Temperature Resolution/Fluctuation	0.1°C / ±0.5°C			
Working Ambient Temperature	+5~35°C			
Inner Liner Material	Stainless Steel			
Outer Shell Material	Cold-rolled steel plate with anti-static spray coating			
Cargo Partition Material	Stainless Steel			
Cargo Shelf	2 pcs			
Volume	50L	72L	150L	250 L
Inner Liner Dimension (WDH, mm)	350×350×410	400×400×500	500×500×600	600×600×700
Outline Dimension(mm)	510×520×800	580×570×890		
Voltage & Frequency	220V / 50Hz			
Power	300W	400W		750W
Picture				