

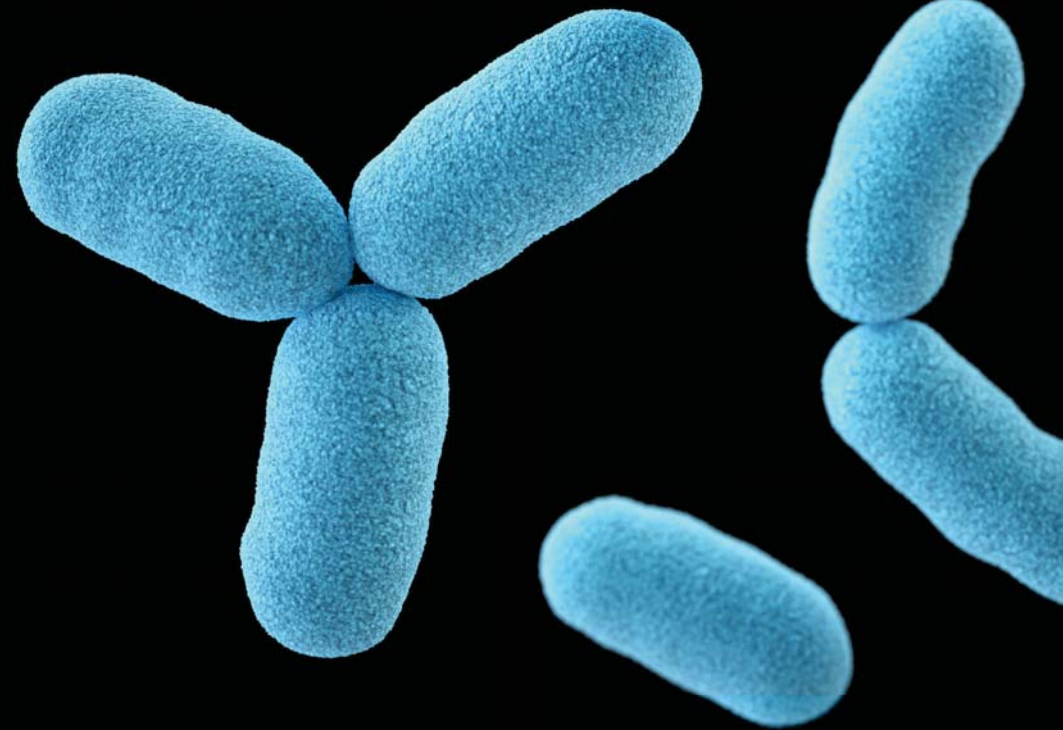
# RADOBIO

GOOD SOLUTIONS FOR CELL CULTIVATION



**CONTROLTECNICA**

# RADOBIO



## MS86

MULTIFUNCTIONAL STACKABLE  
INCUBATOR SHAKER

## MS70

UV STERILIZATION STACKABLE  
INCUBATOR SHAKER



## Product Features

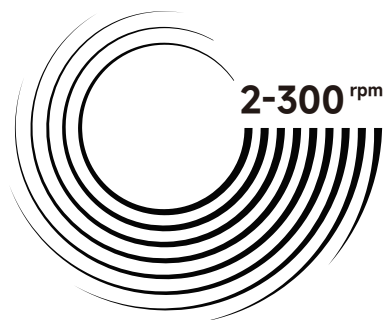
### WIDER SPEED RANGE

2~300 rpm

The unique and innovative bearing technology further broadens the speed control range, and can realize the speed control range of 2-300rpm, which provides an effective guarantee for meeting different experimental needs.

For some special applications of biological culture or reaction experiments, even using low speed can also achieve smooth rotation without stalling.

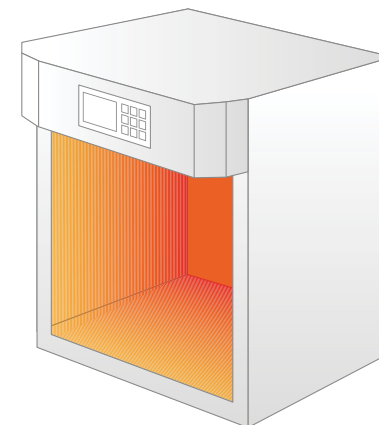
Provides excellent stability at high rotational speeds or simultaneous oscillations with multiple layers, minimizes significant abnormal shaking, and provides selectivity for high-speed culture, thereby effectively improving the efficiency of mass transfer and dissolved oxygen.



### TEMPERATURE DISTRIBUTION

$\pm 0.5^{\circ}\text{C}$

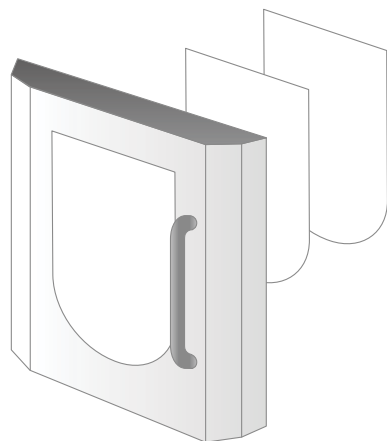
The high-efficiency and high-performance heating system distributed on the surface of each culture room, ensures optimal air circulation inside the chamber, making the temperature of the entire incubator more uniform, and stabilized. The temperature uniformity in the cabin can be controlled at  $\pm 0.5^{\circ}\text{C}$  (room temperature:  $25^{\circ}\text{C}$ ; set value:  $37^{\circ}\text{C}$ , no-load).



### ENSURE EXCELLENT INSULATION AND SECURITY

DOUBLE GLAZED

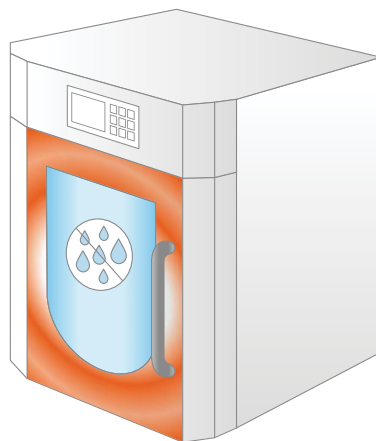
Internal and external double glazed safety glass doors with excellent thermal insulation and safety protection.



### EFFECTIVELY PREVENTS FOGGING OF THE GLASS DOOR

HEATING DOOR OPTIONAL

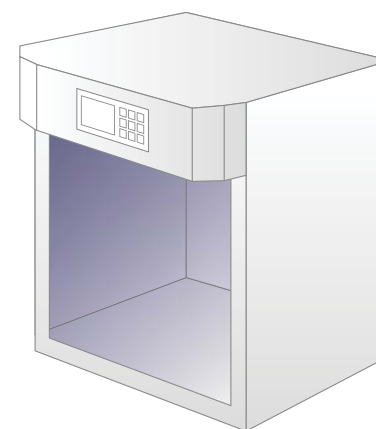
Door heating function effectively prevents condensation on the glass window, allowing good observation of the internal shake flasks even when the temperature difference between the inside and outside of the shaker is large.



### BETTER STERILIZATION EFFECT

UV STERILIZATION

UV sterilization unit for effective sterilization, can be opened during rest time to ensure a clean culture environment inside the chamber.



### OSCILLATORY INCUBATION AND STATIONARY INCUBATION

MULTI-FUNCTION Stab Mini

The double trays inside the chamber effectively extend the culture space without increasing the laboratory space. The upper pull-out tray can be used for stationary incubation, providing more possibilities for different culture needs.



## Product Features

### STANDARD INTERWOVEN SPRINGS STAINLESS STEELS SLIDING TRAY

The stainless steels sliding tray is lighter and stronger, never deforms and easy to clean. Push-pull design allows for easy placement of culture flasks at specific heights and spaces.



### EFFECTIVELY PREVENTING UNSAFE INCIDENTS DUE TO CLAMP BREAKAGE

### ONE-PIECE MOLDING FLASK CLAMP

All of RADOBIO's flask clamps are cut directly from a single piece of 304 stainless steel, which is stable and durable and will not break, effectively preventing unsafe incidents such as flask breakage.

The stainless steel clamps are plastic sealed to prevent cuts to the user, while reducing friction between the flask and the clamp, bringing a better silent experience.

Various culture vessel fixtures can be customized.



### EFFECTIVE IN SAVING LAB SPACE



### FLEXIBLE PLACEMENT, STACKABLE

Can be used on the floor or on the table stand in a single unit, or stacked in a double units for easy operation by laboratory personnel.

Without taking up additional floor space, the shaker can be stacked up to 3 units as the culture throughput increases. Each incubator shaker in the stack operates independently, providing different incubation conditions.



## Technical Details

|                                |   |                 |
|--------------------------------|--|--|
| Cat.No.                        | MS86   | MS70   |
| Quantity                       | 1 unit   | 1 unit   |
| Control interface              | Push-button operation panel  | Push-button operation panel  |
| No-load rotation speed range   | 2-300rpm   | 2-300rpm   |
| Speed control accuracy         | 1rpm   | 1rpm   |
| Shaking throw                  | 26/50mm (Customization is available)   | 26/50mm (Customization is available)   |
| Temperature control mode       | PID control mode   | PID control mode   |
| Temperature control range      | AT+5-60°C  | 4-60°C   |
| Temperature display resolution | 0.1°C  | 0.1°C  |
| Temperature fluctuation        | ±0.1°C   | ±0.1°C   |
| Temperature distribution       | ±0.5°C at 37°C   | ±0.5°C at 37°C   |
| Power consumption max.         | 800W   | 1000W  |
| Timer                          | 0-999h   | 0-999h   |
| Tray size                      | 370×400 mm   | 370×400 mm   |
| Loading max.                   | 15 kg  | 15 kg  |
| Clamp type                     | Universal spring mesh, flask clamps, deep-well plate clamps, test tube holders, etc. are available                         | Universal spring mesh, flask clamps, deep-well plate clamps, test tube holders, etc. are available |
| Maximum expansion              | Stackable up to 2 units  | Stackable up to 2 units  |
| Internal dimension (W×D×H)     | 480×460×500 mm   | 460×562×495 mm   |
| Dimension (W×D×H)              | 550×676×700mm (1 unit);<br>550×676×1350mm (2 units)  | 550×653×850mm (1 unit);<br>550×653×1660mm (2 units)  |
| Volume                         | 110L   | 127L   |
| Lighting                       | Fl tube, 30W   | Fl tube, 30W   |
| Sterilization method           | UV sterilization   | UV sterilization   |
| Ambient temperature            | 5°C-35°C   | 5°C-35°C   |
| Power supply                   | 115/230V±10%, 50/60Hz  | 115/230V±10%, 50/60Hz  |
| Weight                         | 80kg per unit  | 110kg per unit   |
| Tray capacity of shake flask   | 16×250ml or 11×500ml or 7×1000ml or 5×2000ml<br>(standard with Interwoven springs,<br>Various other holders are available) | 16×250ml or 11×500ml   |

\*All products are tested biologically in a controlled environment. Radobio does not guarantee the consistency of field test results under different conditions.