

# Sterilizer



## **ANTITECK LIFE SCIENCES LIMITED**

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Add: A1-519, XingGang GuoJi, Yingbin Road, Huadu, Guangzhou, China

Tel: +86 133 1286 3972

Web: <https://antiteck.com>

E-mail: [info@antiteck.com](mailto:info@antiteck.com)

## Infrared inoculation sterilizer

HM-15 and HM-35 infrared inoculation loop sterilizers are used for high-temperature sterilization and disinfection of small items such as inoculation loops and inoculation needles, which can completely replace alcohol lamps and are convenient and quick. It can be widely used in environments such as biological safety cabinets, purification workbenches, exhaust fans, mobile vehicles, etc., even in harsh environments such as the wild, and can be used for high temperature sterilization at any time.

### Product Features

- It is safe and convenient to sterilize the inoculation ring and can completely replace the alcohol lamp;
- The temperature in the heating zone is above 800 C , and sterilization only takes 5 to 7 seconds;
- Small size, light weight, simple operation, easy to clean, long service life;
- The device can be used in anaerobic chamber;
- Unique intelligent algorithm, fully extend the service life of the heater, effectively improve the safety;
- There are ashing organic matter deep in the ceramic funnel pipe to prevent infectious splashing and crosscontamination.



### Technical Parameters

Model	HM-15	HM-35
Item No	1011001001	1011002001
The highest temperature in the central area ( °C)	825±25	825±25
Maximum drug elimination diameter (mm)	φ15	φ35
Total length of heating zone (mm)	140	100
Heating time (min)	15	15
Ambient temperature (°C)	5 ~ 40	5 ~ 40
Fuse	250V 3A 5×20	250V 3A 5×20
Input power	AC220V~ 50-60Hz	AC220V~ 50-60Hz
Power (w)	150	250
Net weight (kg)	1.25	1.3
External dimension (mm)	265×225×195	265×225×195

### Advantages of Infrared Inoculation Sterilizers :








More environmentally friendly than Bunsen burner

More at ease than an alcohol lamp

More thorough than UV sterilization

The best level 95 ceramic heating element, the heating element life is up to 3000 hours

## Glass bead sterilizer

HM series rapid glass bead sterilizer is a product that uses high-temperature glass beads to quickly sterilize small laboratory equipment. It can effectively sterilize small solid metal and glass wares within ten seconds, and effectively eliminate bacteria and spores. It can be used for surgical forceps, scissors, tweezers, scalpels, needles, inoculation loops, and inoculation needles, etc. It is often used in scientific research laboratory.

### Product Features

- Real-time temperature value display, countdown display;
- The maximum temperature in the container with high temperature sterilizing beads can reach 300°C;
- A glass bead is randomly configured with a diameter of 3.0mm;
- Small volume, light weight, easy operation, long service life;
- Stainless steel inner container, with high-performance heating device, high precision thermostat, built-in over-temperature protection device.



### Technical Parameters

Model	HM-80	HM-140
Item No	1011003001	1011004001
Temperature control range (°C)	100~300	100~300
Temperature control accuracy (°C)	±5	±5
Display accuracy (°C)	1	1
Heating time (min)	≤25 (room temperature to 300°C)	≤25 (room temperature to 300°C)
Voltage specification	AC220V~ 50-60Hz	AC220V~ 50-60Hz
Maximum power (w)	120	250
Container size (mm)	Φ40x80	Φ40x140
Glass bead capacity (g)	150	300
External dimension (mm)	176x135x189.5	176x135x249.5
Net weight (kg)	2.5	3.3



### Matters needing attention

- Fill the container with clean and dry glass sterilized beads. The depth standard is 2cm below the edge of the stainless steel container. Do not use other fillings or liquids to contact the container.
- Open the switch button on the back of the instrument, and the digital block displays the real-time temperature. The best sterilization temperature is about 250-280 °C .
- Do not touch the sterilizing glass beads or containers before cooling! Avoid scald!!
- Insert the dry sterilized samples into the glass sterilizer as much as possible for at least 10 seconds.
- After use, please turn off the power switch and close the cover to prevent dust and foreign objects from touching.
- Sterilizing glass beads must be cleaned at least once a week, and the glass beads must be removed until the instrument is completely cooled.