TME 007- INFRARED STERILIZER FOR INOCULATION LOOPS

INTENDED USE

Infrared radiation sterilization uses heat from infrared light to destroy microorganisms, ensuring hygiene in healthcare, food safety.

PRODUCT SUMMARY AND EXPLANATION

The device is specifically designed for the rapid sterilization of small metal instruments commonly used in laboratory settings, including but not limited to inoculation loops and tweezers, ensuring efficient and reliable disinfection processes. It operates without the use of any flammable gases or open flames, significantly enhancing safety in laboratory environments where such hazards are a concern. This sterilizer is particularly well-suited for use in areas where the presence of open flames or gas cylinders is strictly prohibited, offering a safe and compliant sterilization solution. It is capable of achieving sterilization temperatures ranging from 900 to 1300°C within a matter of seconds, providing rapid and effective sterilization with minimal time investment. The integrated infrared sensor system automatically initiates the sterilization process upon detection, ensuring convenience and eliminating the need for manual intervention during operation. Once the sterilization cycle is complete, the device automatically terminates the process, providing a hands-off, and safe operation, reducing the risk of overheating or damage to instruments. The sterilizer is designed to operate using standard laboratory power supplies, ensuring easy integration into existing laboratory infrastructure without the need for special electrical setups. The device's design eliminates the need for preheating, resulting in lower operational costs and increased efficiency compared to traditional sterilization methods that require extended warm-up periods. Don't consume oxygen when working, it can be used for microbial experiments in anaerobic chambers.

PRINCIPLE

High temperature sterilization. The heating area can reach to 900~1300°C in a few seconds without preheating time. Infrared sensor control can be operated with one hand.

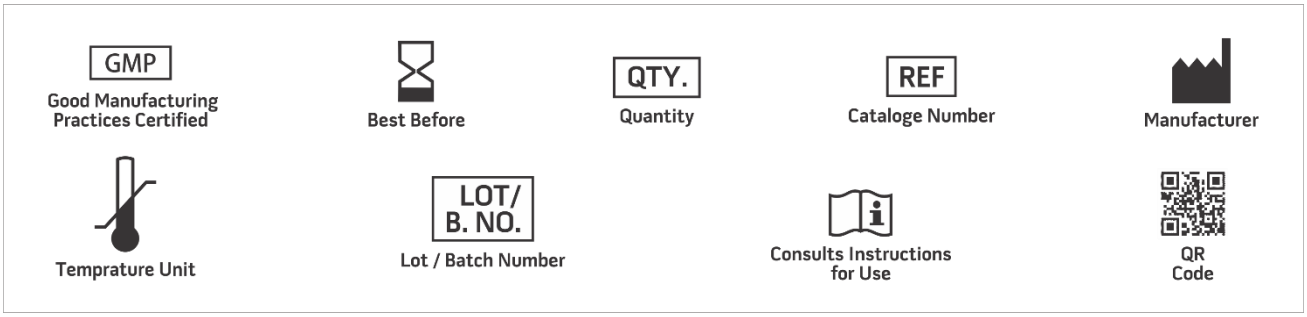
TECHNICAL PARAMETERS

Name	Infrared Loop Sterilizer
Heat source	Infrared-halogen lamp
Heating zone material	Quartz glass
Heating temperature	900~1300°C
Heating zone size	Ø15*100mm
Automatic sterilization stop time	7s
Infrared sensor	Yes
Power	600W
Protection class	IP20
Permissible ambient temperature	5~40°C,80%RH
Dimension	L160xW140xH220mm
Weight	2.6kg
Power supply	110V/220V;50/60HZ

APPLICATION:

Dedicated to the disinfection of high temperature resistant materials used in laboratory environments (such as inoculation loops, inoculation needles, tweezers, small scissors, etc.

It is a highly efficient and environmentally conscious disinfection tool, finding extensive application in diverse settings such as hospitals, food processing facilities, research laboratories, and any other environment where maintaining a sterile atmosphere is of paramount



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