

### **tabletop steam sterilizer for inactivation of hiv viruses**

Tabletop steam sterilizer completely kills pathogenic microorganisms, bacteria and viruses by means of high-temperature steam, ensuring the sterility of equipment and environment.

Tabletop steam sterilizer provides fully automated and intelligent sterilization, suitable for laboratories, medical, food, beauty, and other industries. With its compact design and advanced features, it ensures efficient, safe, and reliable sterilization in environments with limited space.

#### **Main Features of Tabletop Steam Sterilizer**

1. Intelligent operation interface: adopting TFT color touch screen, providing clear and intuitive operation interface, users can easily monitor the whole sterilization process. Interface design is simple, all operations at a glance, with intelligent prompting and control, reducing human error. Adopting foolproof operation, even non-professionals can easily get started, greatly improving the convenience and efficiency.
2. Intelligent water cooling system: Equipped with pump body water cooling system, which can effectively cool and extend the life of the equipment. The water cooling system ensures the stability of the equipment in high temperature operation, reduces the wear and tear of mechanical parts, and ensures long-term reliable operation.



3. electronically controlled automatic door lock system: the automatic door lock design avoids the security risks caused by improper human operation. Only when the sterilization temperature reaches and remains stable, the door will be automatically unlocked to ensure the safety of the operator.
4. washable water tank design: the equipment is equipped with an open water tank, easy to clean and disinfect, reducing the impact of water quality on the sterilization effect. The water tank contains water quality detection and debris filtration functions to ensure the use of clean water. The volume of water purification tank is 5L, and the volume of wastewater tank is 3L, which can effectively store and treat wastewater to avoid sewage leakage.
5. automatic cleaning function: automatic cleaning of the internal pipeline and steam generator, reduce the trouble of manual cleaning, and ensure that the equipment is clean and hygienic, contributing to long-term efficient operation.
6. a number of test functions: equipped with Bowie Dick steam penetration test, helix spiral test and Vacuum vacuum test, you can detect the sterilization process of steam penetration ability, vacuum status and sterilization effect, to ensure the thoroughness and reliability of sterilization.
7. strong sterilization capacity: the steam sterilizer can effectively inactivate HIV (HIV), hepatitis B virus (HBV), mad cow disease virus and a variety of germs and other pathogenic microorganisms, to ensure the safety of the laboratory and medical environment.
8. data recording and management: equipped with a printer and USB interface, can record and print the data in the sterilization process. USB interface is convenient for users to export and save the data for subsequent quality control and traceability analysis.

## **Advantages**

1. efficient and reliable: tabletop steam sterilizer adopts advanced intelligent control system to provide accurate temperature and time control to ensure the sterilization effect, applicable to a variety of sterilization needs.
2. space-saving: desktop design is compact, small footprint, suitable for laboratories and medical environments where space is limited.
3. easy to operate: through the intelligent interface and automated operation, reduce manual intervention, reduce operational risk, to ensure the efficiency and stability of the equipment.
4. easy maintenance: automatic cleaning function and convenient water filtration system greatly reduces the complexity of manual maintenance, providing a more convenient use experience.
5. data recording: printer and USB interface function can be sterilized in the process of all the data recording and preservation, in line with the requirements of quality control and equipment management.

## **Working Principle**

Tabletop steam sterilizer utilizes the high temperature and high pressure action of saturated steam to heat water to a high temperature through the internal steam generator, which produces steam and conveys it to the sterilization chamber. Under the action of steam, the cellular structure of bacteria, viruses and other pathogenic microorganisms will be destroyed, thus achieving the effect of sterilization. The steam penetration and vacuum degassing functions help to ensure that all sterilized items can be uniformly exposed to the steam, killing germs completely.

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<b>Model</b>	<b>DA100-29</b>	<b>DA100-45</b>
Capacity	29L	45L
Working Temperature	121°C, 134°C	
Sterilization Grade	European Class B Standard	
Special Sterilization	inactivation of HIV, HBV, Prions (e.g., BSE), and Bacterial Spores	
Drying Program	powerful Vacuum Drying with Residual Moisture less than 0.2%	
Tests	bowie-Dick Steam Penetration Test, Helix Test, Vacuum Leak Test	
Safety Features	Safety Valve, Pneumatic Lock, Fault Self-Detection System	
Sterilization Record	Equipped with a Printer and USB Interface for Recording the Sterilization Process	
Water Supply System	The open-type water tank allows for disinfection and cleaning, equipped with water quality monitoring and debris filtration features. Clean water tank capacity: 5L	

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	Waste water tank capacity: 3L	
Water Quality Detection	Detects whether the water quality meets the equipment's standards	
Cleaning Program	Automatically cleans internal pipelines and the steam generator	
Sterilization Chamber Configuration	Two Removable Trays	
Sterilization Chamber Dimensions	diameter 319x365mm	diameter 319x620mm
External Dimensions	845X605X540mm	
Weight	110kg	113kg
Power Supply	220Vac, 50Hz, 3.5kw	220Vac, 50Hz, 3.5kw