



ISOTEST

Two-person isolator
for optimized workflows

Efficient and reliable workflows

Double work station increases productivity for sterility testing

Optimize your sterility testing workflows to maximize throughput. The ISOTEST isolator facilitates a continuous testing process instead of a batch process, eliminating unproductive time between batches.

Sterility testing is the last mandatory control performed on sterile drugs, components, and medical devices before their release for administration to patients. The ISOTEST isolator provides the completely closed system necessary to avoid the risk of false positive results. You can rely on ISOTEST to provide a controlled environment and optimal workflows for reliable sterility testing.

ISOTEST can also be used for cytotoxic or TPN (Total Parenteral Nutrition) reconstitution, compounding of drugs and many other aseptic applications.



Dual-operator access optimizes workflows

Two operators can have simultaneous access to the chamber and the load inside the hatch. They can work with the same or different sterility testing methods inside the isolator. The system can be used with any combination of closed or open membrane filtration, direct inoculation methods, and rapid microbiology methods (RMM).

Minimize downtime for improved throughput

The ISOTEST isolator supports continuous testing instead of a batch process, eliminating unproductive downtime between batches. Short bio-decontamination cycles and the capacity for dual operations combine for a throughput rate of up to 40 tests per 8-hour shift (based on an average test size of 20 ml containers/vials).

Effective bio-decontamination

With ISOTEST, you can bio-decontaminate the total volume of the unit; the hatch can be included, or bio-decontaminated separately. Bio-decontamination happens quickly for high productivity, often within 30-45 minutes.

The integrated bio-decontamination unit uses Hydrogen Peroxide Vapor (HPV) as steri-lant. The generator is controlled by the same PLC as the unit for simplified and reliable operations.

Validated process control and traceability

Both the isolator and integral bio-decontamination unit are controlled by a single Siemens PLC control system. Reports are sent to an integrated printer or remote PC (option). Data and reports can be stored in the built-in FDA 21 CFR part 11 compliant SCADA and in the customer network (option).

The color touchscreen control panel is intuitive and easy to operate. Through the HMI, authorized users can set process parameters that operators can easily monitor during the process.



Integrated bio-decontamination: Steritrac

The built-in bio-decontamination unit uses Hydrogen Peroxide Vapor (HPV), a proven sterilant commonly used in the pharmaceutical industry. It is generated from liquid Hydrogen Peroxide (H₂O₂) from a bottle fitted with an RFID (Radio Frequency Identification) device, that is placed in a receptacle on the isolator. The generator checks the validity of the HPV bottle and the batch number is recorded in the process report. Steritrac is controlled by the same PLC as the isolator unit, thus minimizing components and enabling validation and maintenance of a single piece of equipment.

Manipulation devices

Application-specific options for comfort and safety

Getinge isolators can use different manipulation systems to match the process to the operator's hand. The Glove-Sleeve offers protection and easy maintenance. An O-ring system allows the glove to be replaced without breaking sterility.

Minimize contamination risk with Getinge's wireless Glove Leak Tester (GLT)

Ensure a safe production and process control with the paperless Glove Leak Tester that enables seamless in-situ glove testing. Wireless, paperless and pipeless, the GLT allows for accurate and repeatable testing for glove and sleeve integrity, i.e. detecting perforations not visible to the naked eye.



Glove Leak Tester (GLT) shown on demo display



Continuous workflow, easy access, and fast bio-decontamination help increase productivity.

DPTE® Transfer Systems

Application-specific options
for comfort and safety



DPTE® Alpha

The core of the DPTE® transfer system is the Alpha port; a secure interlock enables totally safe connections and disconnections. The DPTE® system allows material to be moved from one sterile zone to another through a non-sterile zone, with leak-tight, risk-free reconnection.



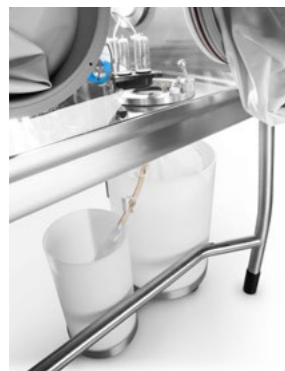
DPTE-BetaBag®

The DPTE-BetaBag® is a combination of a DPTE® Beta part and a bag for the safe transfer of sterile products or waste material. The DPTE-BetaBag® single-use range is designed for fast contamination-free transfer to maintain high-speed production, increase flexibility and minimize validation costs.



DPTE® Beta Containers

Stainless steel or plastic DPTE® Beta Containers allow for safe transfer into and out of a barrier system. Autoclavable, stainless steel and plastic inserts enable you to sterilize and transfer tools etc.



Safe and efficient waste handling

A dual-waste DPTE-BetaBag® allows for safe removal of liquid and solid waste from the isolator. The DPTE® system provides egress from inside the isolator chamber while maintaining isolator integrity; there is no risk of sample or environmental contamination. It's a useful solution for handling cytotoxic waste.

Other standard isolator solutions from Getinge

ISOFLEX Isolators



A modular, rigid-wall isolator

The ISOFLEX isolator protects the product against contamination during aseptic operations such as sterility testing. The rigid-wall isolator maintains an enclosed and sterile environment throughout transfer, manipulation, and bio-decontamination.

- Modular design for flexible use
- Validated process control and traceability
- Two types of ventilation to maintain aseptic conditions: Engineered Turbulent Flow (ETF) and Unidirectional AirFlow (UDAF)

ISOFLEX-S Isolators

A transparent, flexible-wall isolator

The ISOFLEX-S isolator has transparent semi-rigid plastic walls that provide a panoramic view of the working area. Isoflex-S isolators combine the robustness of a 316L stainless steel working base with the comfort of working with glove sleeves on a flexible wall.

- Flexible and mobile
- User-friendly operations
- Modular design
- Validated process control and traceability
- Cost effective solution





Getinge is a global provider of innovative solutions for operating rooms, intensive care units, sterilization departments and for life science companies and institutions. Based on our firsthand experience and close partnerships with clinical experts, healthcare professionals and medtech specialists, we are improving the everyday life for people - today and tomorrow.

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