

STEAM

Sterilization Monitoring



ASP Advanced
Sterilization
Products

▶ PROTECTING PATIENTS DURING THEIR MOST CRITICAL MOMENTS.™



FOR OVER THREE DECADES



has been at the forefront of healthcare innovation, dedicated to revolutionizing medical device sterilization. Established in 1987 by visionary scientists in the heart of Texas, ASP's journey of groundbreaking achievements began with the invention of the **STERRAD™** Sterilizer with hydrogen peroxide gas plasma technology. This pioneering technology, granted FDA clearance in 1993, set the gold standard for sterilization, redefining safety, speed, and efficiency in the Sterile Processing departments world-wide.

ASP's commitment to excellence has been unwavering. We've continued to push boundaries, introducing specialized sterilization cycles for medical instruments and endoscopes, pioneering advanced biological indicators, and unveiling cutting-edge solutions like **ALLClear™** Technology.

Our passion for patient safety extends beyond sterilization, with the introduction of automated endoscope reprocessing systems that adhere to the highest industry standards.

In 2023, ASP embarks on a new mission, intensifying our focus on Sterility Assurance. Our new line of Steam Sterilization Monitoring products, represents a pivotal step in **protecting patients during their most critical moments**. As leaders in Infection Prevention, ASP remains steadfast in our commitment to ensuring **equal protection for all patients**.

**WE INVITE YOU TO JOIN US
ON THIS TRANSFORMATIVE
JOURNEY AS WE CONTINUE
TO SHAPE THE FUTURE OF
HEALTHCARE SAFETY
AND EXCELLENCE.**

STEAM

Sterilization Monitoring

IN DIVERSE HEALTHCARE SETTINGS, THE SIGNIFICANCE OF STEAM STERILIZATION FOR SAFETY CANNOT BE OVERSTATED. WHETHER IN A SPRAWLING UNIVERSITY HOSPITAL OR AN AMBULATORY SURGERY CENTER, BOTH FACE MOUNTING PRESSURE FOR QUICK STERILE INSTRUMENT TURNAROUND, MAKING PROMPT STERILIZATION RESULTS CRUCIAL.

ASP OFFERS A COMPREHENSIVE RANGE OF SOLUTIONS DESIGNED TO STREAMLINE YOUR STERILIZATION MONITORING PROCESS.

ASPTM

YOUR PARTNER IN

INFECTION PREVENTION

STERILITY ASSURANCE

EQUAL PROTECTION FOR ALL

BIOTRACE™ AUTO READ PRO BIOLOGICAL INDICATOR (BI) READER

Real-Time Monitoring at Your Fingertips

The **BIOTRACE™** Auto Read Pro Biological Indicator Reader offers a 3.5" (8,9cm) user-friendly, intuitive touchscreen LCD display, providing real-time information on incubation progress and temperature settings, ensuring ease of use and effective monitoring of biological indicators.

Automatic Readout

Automatic initiation of the readout process when the reader detects the placement of a biological indicator in one of its incubation wells.

12 Simultaneous Incubator Wells

Expedite the verification of sterilization cycles and ensure processing of multiple biological indicators using the twelve incubator wells.

Built-in Ampoule Crusher and Thermal Printer

Built-in enhancements offer increased convenience and workflow efficiency, enabling the activation of biological indicators via the ampoule crusher while also automatically generating a printout at the end of each incubation process.

Rapid Readout

A readout capability, as quick as 20 minutes, minimizes downtime and allows for efficient monitoring of sterilization processes.



PRODUCT # 73400

COMPLIANCE ✓

FDA Cleared



PRODUCT # 73100

COMPLIANCE ✓

FDA Cleared

ISO 11138-1

ISO 11138-3

Optional BI Test
Result Verification



Chemical Indicator
Type 1
NOT EXPOSED
EXPOSED



*Geobacillus
stearothermophilus* spores

BIOTRACE™ AUTO READ MINI BIOLOGICAL INDICATOR (BI) READER

Compact Design

The **BIOTRACE™** Auto Read Mini Biological Indicator Reader is a compact tabletop automatic reader, designed for easy placement anywhere within your facility due to its small and space-efficient size.

Automatic Readout

Automatic initiation of the readout process when the reader detects the placement of a biological indicator in one of its incubation wells.

3 Simultaneous Incubator Wells

Expedite the verification of sterilization cycles and ensure processing of multiple biological indicators using the three incubator wells.

Built-in Ampoule Crusher and Thermal Printer

Built-in enhancements offer increased convenience and workflow efficiency, enabling the activation of biological indicators via the ampoule crusher while also automatically generating a printout at the end of each incubation process.

Rapid Readout

A readout capability, as quick as 20 minutes, minimizes downtime and allows for efficient monitoring of sterilization processes.



Optional BI Test
Result Verification



Chemical Indicator
Type 1

NOT EXPOSED
EXPOSED

*Geobacillus
stearothermophilus* spores

BIOTRACE™ AUTO READ 20 STEAM BIOLOGICAL INDICATOR (BI) PROCESS CHALLENGE DEVICE (PCD)

The **BIOTRACE™** Auto Read 20 Steam Biological Indicator Process Challenge Device delivers peace of mind in sterilization with its reliable indicators, rapid visual readout, and dual verification methods. This ensures that healthcare professionals can effectively uphold patient safety with confidence.

The **VERISURE™** Steam Type 5 Migrating Integrator combines a steam and temperature-sensitive chemical pellet with a paper wick in a laminate. As sterilization occurs, the pellet melts, creating a visible bar that moves along the wick, indicating ACCEPT or REJECT status based on sterilization conditions, which vary with steam quality, time, and temperature.

The **BIOTRACE™** Auto Read 20 Steam Biological Indicator has a readout capability of 20 minutes, which minimizes downtime and allows for efficient monitoring of sterilization processes.

Each PCD Contains:

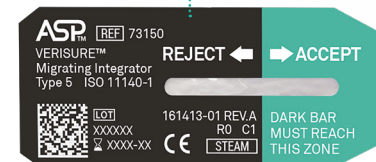
- ▶ **BIOTRACE™** Process Challenge Device (PCD) Record Card
- ▶ **VERISURE™** Steam Type 5 Migrating Integrator
- ▶ **BIOTRACE™** Auto Read 20 Steam Biological Indicator (BI)



PRODUCT # 73130

COMPLIANCE ✓

FDA Cleared
CE Marked
ISO 11140-1
ISO 11138-1
ISO 11138-3
ANSI/AAMI ST79



Optional BI Test
Result Verification



Chemical Indicator
Type 1
NOT EXPOSED
EXPOSED

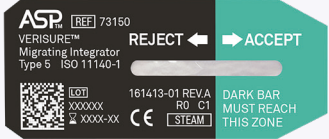
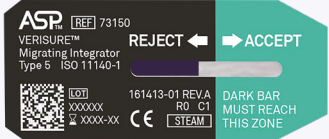
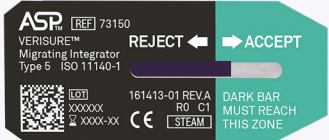
Geobacillus
stearothermophilus spores

VERISURE™ MIGRATING INTEGRATOR STEAM TYPE 5

The VERISURE™ Steam Type 5 Migrating Integrator is engineered to monitor steam sterilization processes at 121°C and between 132°C and 135°C. During the sterilization process, the pellet undergoes a melting transformation, resulting in a visible bar that travels along the wick. This movement indicates the ACCEPT or REJECT status, which is determined by sterilization conditions that can change with variations in steam quality, time, and temperature.

VERISURE™ Steam Type 5 Migrating Integrator Process Challenge Device (PCD) has been designed for rapid and easy monitoring of dynamic air removal and gravity air displacement processes. The PCD pose a challenge to the steam sterilization process by demonstrating resistance equivalent to the ANSI/AAMI ST79 16 towel pack.

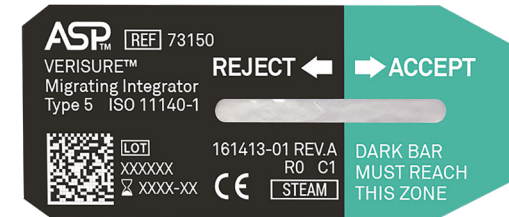
Results Interpretation Guide:

	UNPROCESSED
	REJECT X
	ACCEPT ✓

Migrating Integrator **PRODUCT # 73150**

COMPLIANCE ✓

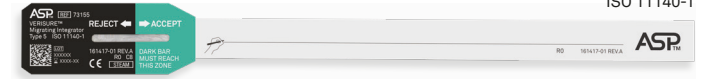
FDA Cleared
CE Marked
ISO 11140-1



Migrating Integrator w/ Extender **PRODUCT # 73155**

COMPLIANCE ✓

FDA Cleared
CE Marked
ISO 11140-1



Migrating Integrator Process Challenge Device **PRODUCT # 73160**

COMPLIANCE ✓

FDA Cleared
CE Marked
ISO 11140-1
ANSI/AAMI ST79



STEAM CHEMICAL INDICATORS

VERISURE™

BOWIE-DICK TEST PACKS

STEAM TYPE 2



The VERISURE™ Bowie-Dick Test Packs have been specifically crafted to evaluate the effectiveness of air removal during pre-vacuum steam sterilization cycles.

The Bowie-Dick Test Packs, EU #73181 (for vacuum -assisted) and US #73180 (for dynamic air removal) steam sterilizers, consist of an easy-to-read lead-free chemical indicator test sheet which is placed between layers of porous material wrapped in sterilization wrap. The pack includes a label with a Type 1 process indicator that provides visual assurance to the SPD/CSSD personnel to distinguish between exposed and non-exposed packs.

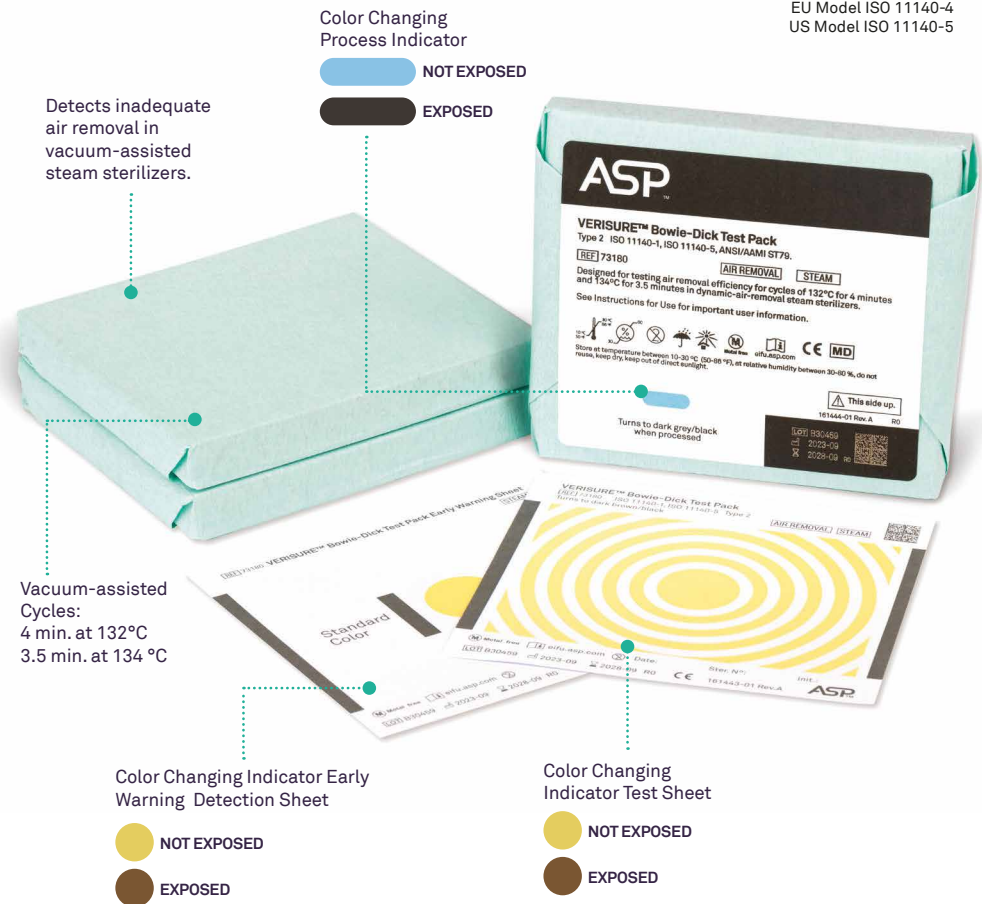
In addition, each pack of the US model includes an Early Warning Sheet featuring a circular lead-free chemical indicator for early detection of air removal failures before they appear on the primary test sheet, therefore allowing rapid detection of failures in the sterilization cycle.

PRODUCT # US 73180

PRODUCT # EU 73181

COMPLIANCE ✓

FDA Cleared
CE Marked
EU Model ISO 11140-4
US Model ISO 11140-5



STEAM BOWIE-DICK TEST

SEALSURE™

STEAM INDICATOR TAPE 18MM

STEAM TYPE 1



SEALSURE™ Steam Indicator Tape 18mm is a steam sterilization exposure monitor which is designed to securely seal sterilization packs and provide visual assurance to SPD and OR staff to distinguish between exposed and non-exposed packs. A lead free yellow chemical indicator ink has been developed which changes to a dark brown or black color when exposed to a steam sterilization process.

The adhesive component of the Steam Indicator Tape allows the adhesion to various types of packaging and wraps, such as cloth, paper and plastic being easy to remove and leaving no residues.

The Steam Indicator Tape is not made with Natural Rubber Latex.

STEAM INDICATOR TAPE

PRODUCT # 73170

COMPLIANCE ✓

FDA Cleared
CE Marked
ISO 11140-1



Color Changing Indicator Stripes



UNEXPOSED



ACCEPTED EXPOSURE



ASPTM

BEHIND EVERY SUCCESSFUL PROCEDURE,
THERE'S A **TEAM** DEDICATED TO PROTECTING A
PATIENT IN THEIR MOST CRITICAL MOMENTS.

Readers and Accessories

PRODUCT #	PRODUCT DESCRIPTION	PACKAGING*
73400	BIOTRACE™ Auto Read Pro Biological Indicator Reader	1 reader per case
73410	BIOTRACE™ Auto Read Mini Biological Indicator Reader	1 reader per case
73450	Thermal Printer Paper Mini Reader (23 mm diameter)	3 rolls per case
73451	Thermal Printer Paper Pro Reader (50 mm diameter)	6 rolls per case

Biological and Chemical Indicators

PRODUCT #	PRODUCT DESCRIPTION	PACKAGING*
73100	BIOTRACE™ Auto Read 20 Steam Biological Indicator	50 BIs per box / 2 boxes per case
73130	BIOTRACE™ Auto Read 20 Steam BI Process Challenge Device	25 PCDs + 25 BIs (controls) per case
73150	VERISURE™ Steam Type 5 Migrating Integrator	250 CIs per bag / 2 bags per case
73160	VERISURE™ Steam Type 5 Migrating Integrator Process Challenge Device	25 PCDs per case
73155	VERISURE™ Steam Type 5 Migrating Integrator w/ Extender	100 CIs per bag / 2 bags per case
73180	VERISURE™ Bowie-Dick Test Pack US Model	20 test packs per case
73181	VERISURE™ Bowie-Dick Test Pack EU Model	20 test packs per case
73170	SEALSURE™ Steam Indicator Tape 18mm	50m per roll / 4 rolls per case

*the minimum order quantity is one case.

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