

STEAM

Sterilization Monitoring



ASP Advanced
Sterilization
Products

► Protecting patients during their most critical moments.™



For over three decades, Advanced Sterilization Products (ASP) 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 embarked 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.



Your partner in **Infection Prevention**
Sterility Assurance
Equal Protection for All

BIOTRACE™ Steam Biological Indicator (BI) Systems

BIOTRACE™ Auto Read Pro BI Reader

Advanced Monitoring. Effortless Compliance.

The BIOTRACE™ Auto Read Pro System delivers **quick, reliable results in 20 minutes** while enhancing workflow efficiency with **12 wells** and a **user-friendly touchscreen display**. Its **built-in ink-free thermal printer** allows printing of the last **208 stored results**, enabling **real-time monitoring** and **effortless compliance documentation**.



BIOTRACE™ Auto Read Mini BI Reader

Compact, Reliable, Compliance-Ready.

The BIOTRACE™ Auto Read Mini System offers **quick, reliable results in 20 minutes** with a **space-saving design** ideal for facilities with limited workspace. Featuring **three wells** and a **built-in thermal printer**, it simplifies **recordkeeping and traceability**, ensuring compliance with ease.



BIOTRACE™ Instant Read Steam BI Reader

Sterility Assurance. When Every Second Counts.

The BIOTRACE™ Instant Read Steam BI System delivers results in just **7 seconds**, eliminating delays and ensuring an **uninterrupted workflow**. Designed for **instant decision-making**, it integrates seamlessly into your process with app connectivity for **efficient documentation** because every second matters.



BIOTRACE™ Auto Read Biological Indicator System



PRODUCT # 73100



PRODUCT # 73105



PRODUCT # 73110

Validated Steam Sterilization Cycles*

Dynamic Air Removal (Vacuum-Assist)

132 °C (270 °F)	4 minutes	✓	✓	✓
135 °C (275 °F)	3 minutes	✓	✓	✓

Gravity Displacement

121 °C (250 °F)	30 minutes	✗	✓	✗
132 °C (270 °F)	10 minutes	✓	✗	✓
132 °C (270 °F)	15 minutes	✓	✓	✓
132 °C (270 °F)	25 minutes	✓	✓	✓
135 °C (275 °F)	10 minutes	✓	✓	✓

Compatible Reader(s)

► BIOTRACE™ Auto Read Pro BI Reader
► BIOTRACE™ Auto Read Mini BI Reader

► BIOTRACE™ Auto Read Pro BI Reader
► BIOTRACE™ Auto Read Mini BI Reader

► BIOTRACE™ Instant Read Steam BI Reader

*See IFU for validated steam cycles.

STEAM Biological Indicators

BIOTRACE™ Steam Biological Indicator Process Challenge Device (Steam BI PCD)

The BIOTRACE™ Steam BI PCD provide healthcare professionals with a reliable and compliant solution for verifying sterilization effectiveness.*

Designed to simulate the most challenging loads, BIOTRACE™ Steam BI PCDs offer rapid readout capabilities and dual verification methods, ensuring instant visual confirmation and confidence in sterilization outcomes.



Achieve Rapid Readout and Quick Device Turnaround



Compact design significantly reduces material usage and waste and requires less storage space



Instant Visual Confirmation via Integrating Indicators through PCD



VERISURE™ Steam Type 5 Migrating Integrator

easy visual
ACCEPT

Each Steam BI PCD includes:

- ▶ BIOTRACE™ Process Challenge Device Record Card
- ▶ VERISURE™ Steam Type 5 Migrating Integrator
- ▶ BIOTRACE™ Biological Indicator

NOTE: Reference colors exhibited in printed prospects as well as those displayed in our website and soft copies of other documents, do not necessarily represent the real color as shown in the actual indicators.

*See IFU for validated steam cycles.



PRODUCT # 73130

COMPLIANCE ✓

ISO 11140-1
ISO 11138-1
ISO 11138-3
ANSI/AAMI ST79



PRODUCT # 73135

COMPLIANCE ✓

ISO 11140-1
ISO 11138-1
ISO 11138-3
ANSI/AAMI ST79



PRODUCT # 73140

COMPLIANCE ✓

ISO 11140-1
ISO 11138-1
ISO 11138-3
ANSI/AAMI ST79



VERISURE™ Migrating Integrator & Ink Integrator | Steam Type 5

The VERISURE™ Steam Type 5 Migrating Integrator is engineered to monitor steam sterilization processes at 121 °C, 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.

Migrating Integrator

PRODUCT # 73150

COMPLIANCE ✓
ISO 11140-1



VERISURE™ Steam Type 5 Migrating Integrator with Extender for easy accessibility within surgical tray.

Migrating Integrator with Extender

PRODUCT # 73155

COMPLIANCE ✓
ISO 11140-1



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 poses a challenge to the steam sterilization process by demonstrating resistance equivalent to the ANSI/AAMI ST79 16 towel pack.

Migrating Integrator Process Challenge Device

PRODUCT # 73160

COMPLIANCE ✓
ISO 11140-1
ANSI/AAMI ST79



VERISURE™ Steam Type 5 Ink Integrator has been designed for the monitoring of dynamic air removal and gravity displacement steam sterilization processes, printed with a Type 5 Chemical Indicator which changes color from yellow (unprocessed) to black (processed).

Ink Integrator

PRODUCT # 73156

COMPLIANCE ✓
ISO 11140-1



* See IFU for validated steam cycles.

STEAM Chemical Indicators

VERISURE™ Bowie-Dick Test Solutions | Steam Type 2

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

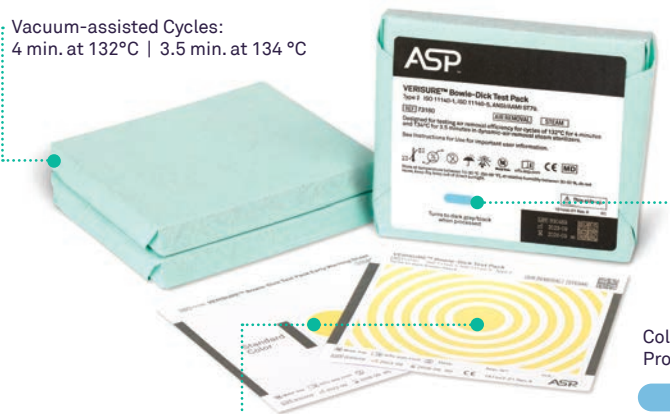
The VERISURE™ Bowie-Dick Test Pack includes an easy-to-read chemical indicator sheet. Placed between porous materials and reticulated foam, it's enclosed with crepe sterilization wrap. The pack features a Type 1 process indicator label for clear visual assurance. Additionally, each pack contains an Early Warning Sheet with a circular chemical indicator, allowing rapid detection of air removal failures during the sterilization cycle.

Bowie-Dick Test Pack PRODUCT # 73180

COMPLIANCE ✓

ISO 11140-1
ISO 11140-5

Vacuum-assisted Cycles:
4 min. at 132°C | 3.5 min. at 134 °C



Color Changing
Process Indicator

NOT EXPOSED
EXPOSED

Color Changing Indicator Early Warning
Detection Sheet and Test Sheet

NOT EXPOSED EXPOSED

The VERISURE™ Bowie-Dick Test Card features a Type 2 chemical indicator which changes from purple (unprocessed) to green (processed) and should be used daily before running the first load of the day. Cycle information can be recorded on the back of the card, allowing for a permanent record.

Bowie-Dick Test Card Kit PRODUCT # 73190

COMPLIANCE ✓

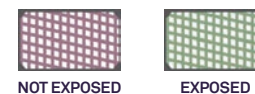
ISO 11140-1
ISO 11140-5

The Bowie-Dick Test Card Kit includes:

- ▶ VERISURE™ Bowie-Dick Test Cards (120 qty)
- ▶ Reusable test card holder



Test Card uniformly
changes from purple
to green when properly
processed.



NOT EXPOSED

EXPOSED

Test Card (Refill) PRODUCT # 73191

COMPLIANCE ✓

ISO 11140-1
ISO 11140-5

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* See IFU for validated steam cycles.

SEALSURE™ Steam Indicator Tape 18mm Steam Type 1

SEALSURE™ Steam Indicator Tape 18mm is designed as a steam sterilization exposure monitor.

- ✓ Securely seals sterilization packs.
- ✓ Provides visual assurance to SPD and OR staff.
- ✓ Distinguishes between exposed and non-exposed packs.
- ✓ Innovative heavy-metal-free yellow chemical indicator turns dark brown or black after steam sterilization.
- ✓ Adheres to various packaging materials (cloth, paper, plastic) and leaves no residues.
- ✓ Not made with natural rubber latex.

PRODUCT # 73170

COMPLIANCE ✓
ISO 11140-1



Color Changing Indicator Stripes



UNEXPOSED



ACCEPTED EXPOSURE

VERISURE™ Steam Type 4 Multi-Variable Chemical Indicator (CI)

VERISURE™ Steam Type 4 Multi-Variable Chemical Indicator is a multi-variable process indicator intended for monitoring the efficacy of steam sterilization processes.

- ✓ Type 4 indicator changes from yellow (unprocessed) to dark brown/black (processed).
- ✓ Suitable for gravity displacement and dynamic air removal/vacuum assist cycles.
- ✓ Perforated for full-size or split usage.

PRODUCT # 73165

COMPLIANCE ✓
ISO 11140-1

Color Changing Indicator easy visual
ACCEPT



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* See IFU for validated steam cycles.

A diverse team of healthcare professionals, including doctors and nurses, are smiling and standing together in a bright, modern clinical setting. They are wearing white lab coats and blue scrubs. A teal banner is overlaid on the bottom half of the image, containing white text.

Behind every successful procedure, there's
a team dedicated to protecting a patient in
their most critical moments.

Sterilization Monitoring

Product Ordering Information

Readers and Accessories

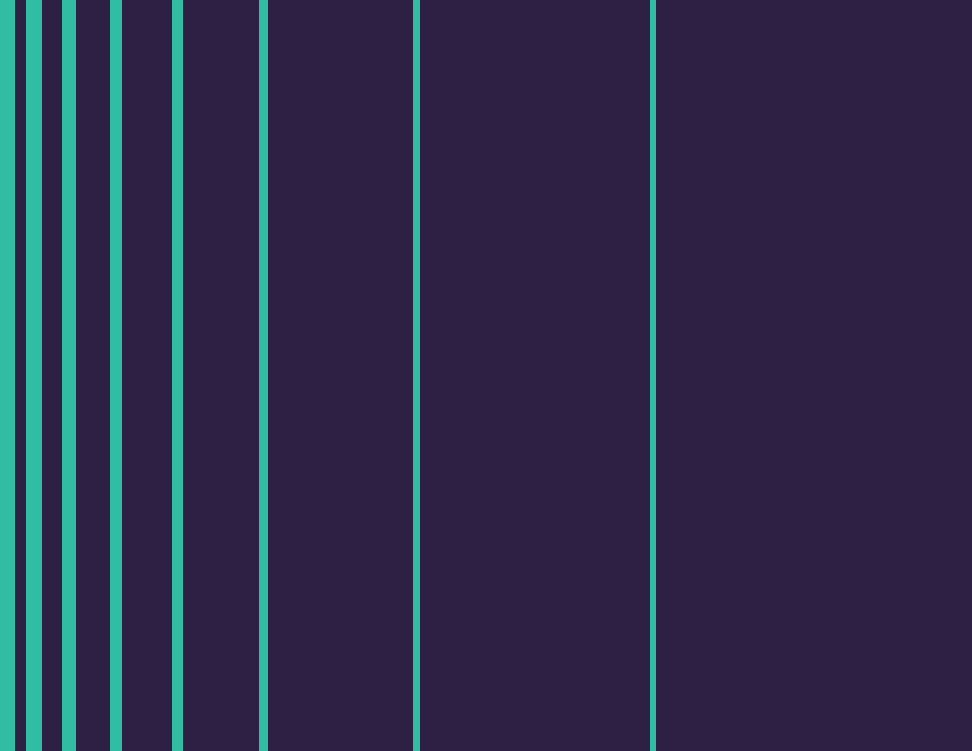
Product #	Product Description	Packaging
73400	BIOTRACE™ Auto Read Pro Biological Indicator Reader	1 reader per case
73410	BIOTRACE™ Auto Read Mini Biological Indicator Reader	1 reader per case
73430	BIOTRACE™ Instant Read Steam Biological Indicator Reader	1 reader per case
73451	Thermal Printer Paper Pro Reader (50 mm diameter)	6 rolls per case
73450	Thermal Printer Paper Mini Reader (23 mm diameter)	3 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
73105	BIOTRACE™ Auto Read 60 Steam Biological Indicator	50 BIs per box / 2 boxes per case
73135	BIOTRACE™ Auto Read 60 Steam BI Process Challenge Device	25 PCDs + 25 BIs (controls) per case
73110	BIOTRACE™ Instant Read Steam Biological Indicator	50 BIs per box / 2 boxes per case
73140	BIOTRACE™ Instant Read 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
73155	VERISURE™ Steam Type 5 Migrating Integrator w/ Extender	100 CIs per bag / 2 bags per case
73160	VERISURE™ Steam Type 5 Migrating Integrator Process Challenge Device	25 PCDs per case
73156	VERISURE™ Steam Type 5 Ink Integrator	200 CIs per bag / 2 bags per case
73165	VERISURE™ Steam Type 4 Multi-Variable Chemical Indicator	500 CIs per bag / 2 bags per case
73180	VERISURE™ Bowie-Dick Test Pack	20 per case
73190	VERISURE™ Bowie-Dick Test Card Kit	120 Cards per case + 1 Holder
73191	VERISURE™ Bowie-Dick Test Card	120 Cards per box / 2 boxes per case
73170	SEALSURE™ Steam Indicator Tape 18mm	55 yards per roll / 4 rolls per case

For more information contact ASP customer service at 1-888-783-7723 or visit asp.com





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► Protecting patients during their most critical moments.™

Important information: Prior to use, refer to the complete instructions for use supplied with the device(s) for proper use, indications, contraindications, warnings and precautions.

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