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Solventum sterilization monitoring solutions

Know now

Protect your patients, your staff, and your facility with biological indicator results in 24 minutes.

results in just **24** minutes

Together, we can make a difference

We're here to help you simplify, standardize and streamline your workflows — from demands for quick turnaround and streamlined operations to evolving industry standards. Now more than ever, patients and surgery center and clinic professionals share a heightened awareness of the dangers posed by cross-contamination. Proper infection prevention procedures should be a critical part of your mission of delivering a high standard of care.

For over 50 years, Solventum has been a leader in sterilization assurance. We take a comprehensive approach to sterilization monitoring, with trusted technologies, continuing education and technical support. Sterilization monitoring solutions from Solventum are designed to help you protect your patients and your facility.

Is your sterilizer doing its job?

The fact that your instruments have been run through the sterilizer does not guarantee they're sterile. Many things can adversely affect the sterilization process. The goal of sterilization monitoring is to catch any problems early — and minimize the number of patients affected.

- Improper loading or packaging
- Sterilizer malfunction
- Incorrect time or temperature
- Incomplete air removal
- Sterilant failing to reach the center of the pack
- Steam quality issues

Sterilization and verification

There are three critical parameters for successful steam sterilization: time, temperature, and saturated steam. If any one of these variables is compromised, then the cycle will not be effective — and processed instruments may not be sterile.

You can't see sterility. Routine process monitoring is the best way to make sure your sterilizers are working properly. A combination of physical, chemical and biological indicators are used to verify sterilization exposure and efficacy, and to help detect procedural errors or equipment malfunctions.

1. Physical monitors: sterilizer recording or printout.
   Were correct cycle parameters used?

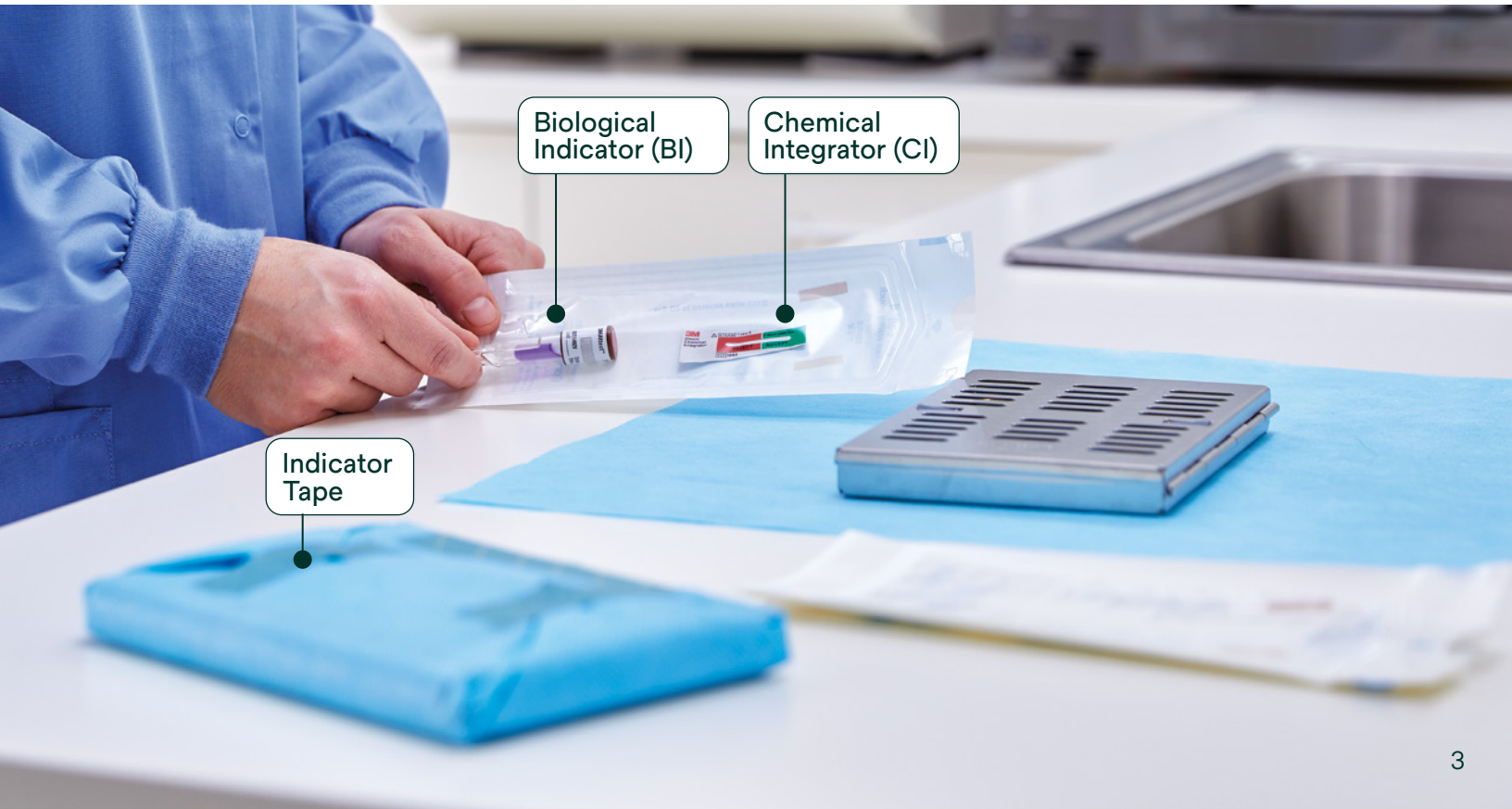
2. Chemical Indicators (CIs):

   External process indicator tape or label placed on the pack exterior.
   Was the pack exposed to the sterilization process?

   Chemical integrator placed inside packs or individual load items.
   Did the sterilant penetrate the pack? Were critical process variables attained?

   Bowie-Dick tests run daily in dynamic-air-removal (pre-vacuum) sterilizers to evaluate the effectiveness of the air removal system and detect residual air in the chamber.

3. Biological Indicators (BIs): vial with viable spores resistant to sterilization.
   Did the sterilizer effectively kill microorganisms?



Monitor

Use your sterilizer's recording device or printout to verify that the correct cycle was selected and that parameters were met.

Use an external process indicator (Type 1) on every pack, so you can see at a glance whether the pack has been exposed to sterilization.

Use an internal CI (preferably Type 5 or 6)* in each package.

Daily before the first processed load in pre-vacuum sterilizers, run a Bowie-Dick test in an empty cycle.*

At least weekly, preferably every day the sterilizer is in use,* conduct routine efficacy monitoring with a BI Process Challenge Device (PCD).

Each cycle type used should be tested. Select a BI or BI PCD which has indications for use (provided in the IFU) that align with the cycle(s) to be tested.

For sterilizers larger than 2 cubic feet, commercially available disposable BI PCDs are recommended. For table-top sterilizers and gravity Immediate Use Steam Sterilization (IUSS), assemble a representative PCD using an individual BI and a CI in the same type of package that is routinely processed.

For loads with an implant, use a PCD containing a BI and a Type 5 CI. Quarantine the load until the BI result is available.*

If a test BI is positive, and the cause of failure is not immediately identifiable, all items from that load should be recalled and reprocessed — along with all items from any loads processed since the last load with a negative BI result.

*ANSI/AAMI ST79:2017 with A1-A4:2020.

Super rapid monitoring

Bring rapid sterilization monitoring to your surgery centers and clinics with the same expert Solventum sterilization assurance technology used in hospitals — now sized and priced for facilities with limited space. With readout in just 24 minutes, you'll know results before releasing instruments for use.

results in just **24** minutes

Steam sterilization cycle type	Temperature	Exposure time (minutes)	1491	1492V	41482V
			For use with table top sterilizers and IUSS sterilizers (1491 only)		For use with sterilizers with chamber volume with greater than 2 cu. ft.
Gravity displacement	270°F (132°C)	3	✓	X	X
		10	✓	X	X
	275°F (135°C)	3	✓	X	X
		10	✓	X	X
Dynamic-air-removal (pre-vacuum and SFPP)	270°F (132°C)	3	X	✓	X
		4	X	✓	✓
	275°F (135°C)	3	X	✓	✓

Your partner in patient safety

STEAM

	Catalog no.	Product	Description	Packaging
	**490M**	**3M™ Attest™ Mini Auto-reader**	Dimensions (W x H x D): 15,5cm x 8,25cm x 5,25cm (6.1 in x 3.2 in x 2.1 in)	1 unit/box
	**1491***	**3M™ Attest™ Super Rapid Readout Biological Indicator (Blue cap) for Steam**	Gravity: 132°C (270°F) 3 min. and 10 min. 135°C (275°F) 3 min. and 10 min.	50 each/box (4 boxes/case)
	1492V*	**3M™ Attest™ Super Rapid Readout Biological Indicator (Brown cap) for Steam**	Dynamic-air-removal (Pre-vacuum and SFPP): 132°C (270°F) 3 min. and 4 min. 135°C (275°F) 3 min.	50 each/box (4 boxes/case)
	**1243A**	**3M™ Attest™ Steam Chemical Integrator (ISO Type 51)**	Dimensions: 5,1cm x 1,9cm (2 in x 3/4 in)	500 each/bag (2 bags/case)
	1243B			100 each/bag (10 bags/case)
	**1355-18mm**	**3M™ Comply™ Lead Free Steam Indicator Tapes for Disposable Wraps (ISO Type 11)**	Dimensions: 18mm x 55m (0.70 in x 60 yds)	28 rolls/case
	1355-24mm		Dimensions: 24mm x 55m (0.94 in x 60 yds)	20 rolls/case
	**41482V***	**3M™ Attest™ Super Rapid 5 Steam-Plus Challenge Pack**	Dynamic-air-removal (Pre-vacuum and SFPP): 132°C (270°F) 4 min. 135°C (275°F) 3 min.	24 packs/box, 24 controls/box (1 box/case)
	**00135LF****	**3M™ Comply™ Bowie-Dick Plus Test Pack with Early Warning Test Sheet (ISO Type 21)**	Vacuum-assisted: 132–134°C (270–273°F)	6 packs/bag (5 bags/case)

VH202

	Catalog no.	Product	Description	Packaging
	**1295***	**3M™ Attest™ Rapid Readout Biological Indicator (Pink cap)**	Vaporized Hydrogen Peroxide (VH2O2)	30 each/bag (4 bags/case)
	**1228**	**3M™ Attest™ Hydrogen Peroxide Indicator Tape**	Dimensions: 1,9cm x 55m (0.75 in x 60 yds)	24 rolls/case
	**1348**	**3M™ Attest™ Vaporized Hydrogen Peroxide Tri-Metric Chemical Indicator (ISO Type 41)**	Dimensions: 1,9cm x 5,1cm (0.75 in x 2 in)	250 each/bag (4 bags/case)

Need a different option? We have more starter kits — learn more at go.3M.com/490kit.

***Must be used in conjunction with Attest Auto-reader 490 or with Attest Mini Auto-reader 490M.
***Has equivalent performance to the Bowie-Dick towel pack cited in ANSI/AAMI ST79.
1. As defined by ANSI/AAMI/ISO 11140-1:2014.

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Solventum Medical Surgical

Phone 800-288-3957
Web go.Solventum.com/Attest

Call the Solventum Help Line at 1-800 228-3957 with your questions related to product or about sterilization practices and standards information. Visit go.Solventum.com/attest for more information or to connect with a sales representative.

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