

Vaporised Hydrogen Peroxide Sterilization

# Best Practices



## Every Load Monitoring.

In the Sterile Processing Department, you play a critical role in ensuring patient safety. Every Load Monitoring can help you reduce the risk of SSIs by delivering the highest level of sterilization assurance – and the same high level of care to every patient served by your facility.

### Why monitor every load?

Every load is different and not all the sterilization factors can be measured. A Biological Indicator will respond to all of the sterilization factors providing the utmost level of assurance that each cycle was efficacious.

### Biological Indicator results in 4 hours or less.

With our trusted 3M™ Attest™ Rapid Readout Biological Indicator System for vaporised hydrogen peroxide sterilization now you can release your batches based on the BI result in only 4 hours. Positive results can be obtained in as little as 15 minutes allowing rapid corrective action, before surgical sets are sent to the operated room.

- **Consistency for patients** - Every Load Monitoring provides the highest standard of safety for all patients.
- **Simple to use** - less room for error, by using the same process for all loads you can improve accuracy and streamline your record keeping.
- **Digital Record Keeping** - the 3M™ Attest™ Auto-reader 490H can be remotely accessed using a web browser, allowing digital record keeping. The Auto-reader 490H can also be linked to track & trace systems.

### Standards and Guidelines

#### EN ISO 14161

Sterilization of health care products – biological indicators, Guidance for the selection, use and interpretation of results.

“...For Processes where parametric release is not achievable, biological indicators provide the best available alternative for demonstrating microbial lethality in the sterilization process...”

#### AAMI ST58: 2013<sup>1</sup>

“A PCD with the appropriate BI should also be used at least daily, **but preferably in every sterilization cycle**” (Emphasis added)

“*Rationale:* The condition of the sterilizer equipment, the expertise of the sterilizer operator, and other factors determining the success or failure of a sterilization cycle could vary from one cycle to another. The less frequently the sterilizer is used, the greater the opportunity for the occurrence of an unnoticed event that could affect...”

#### AORN Guideline for Sterilization<sup>2</sup>

“...Routine sterilizer efficacy monitoring should be performed at least daily on each cycle type, **preferably with each load, ...**” (Emphasis added)

<sup>1</sup> The Association for the Advancement of Medical Instrumentation, Chemical sterilization and high-level disinfection in health care facilities. ANSI/AAMI ST58:2013.

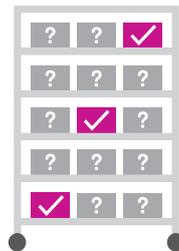
<sup>2</sup> 2016 Edition AORN Guidelines for Perioperative Practice. Guideline for Sterilization.

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Sterilization processes	STEAM	EO	VH2O2
Rapid Biological Indicator?	✓	✓	✓
Time to Result	1 hr/3 hrs	4 hrs	4 hrs
Auto-reader provides clear positive (+) or negative (-) result	✓	✓	✓
Best Practice Monitoring Frequency	Every Load	Every Load	Every Load
Complete 3M Monitoring Solution (chemical indicator, indicator tape, Bowie-Dick test*)	✓	✓	✓

\*Bowie-Dick test for Steam only.

## Don't leave patient safety to chance!



When only a portion of your loads contain a biological indicator, how can you be sure that each cycle was efficacious?



When you monitor every load, you provide the same level of safety to each and every patient.

## Consistency is Key

Get the sterilization assurance information you need with the family of monitoring products from 3M. The same blue-to-pink chemical indicator colour change occurs across all the monitoring products for vaporised hydrogen peroxide sterilization. Easy to use, easy to interpret.

- 1 Confirm sterilization exposure:**  
3M™ Comply™ Hydrogen Peroxide Indicator Tape 1228
- 2 Confirm sterilant penetration:**  
3M™ Comply™ Hydrogen Peroxide Chemical Indicators 1248
- 3 Demonstrate lethality:**  
3M™ Attest™ Rapid Readout Biological Indicators 1295, used with the 3M™ Attest™ Auto-reader 490H

## Standardise the way you work

3M offers complete monitoring solutions including rapid readout biological indicators for sterilization methods typically used in healthcare facilities.

3M™ Attest™ Rapid Readout Biological Indicators 1295 approved for these 4 Systems:

- ▶ **STERRAD® 100NX® (Standard, Flex, Express, Duo cycles)**
- ▶ **STERRAD® NX® (Standard and Advanced cycles)**
- ▶ **STERRAD® 100S**
- ▶ **Amsco® V-PRO® maX Low Temperature Sterilization System (Lumen, Non Lumen, and Flexible cycles)**

Indications For Use (Describe)

Use the 3M™ Attest™ Rapid Readout Biological Indicator 1295 in conjunction with the 3M™ Attest™ Auto-reader 490H as a standard method of routine monitoring of vaporised hydrogen peroxide sterilization processes in the Amsco® V-PRO® maX Low Temperature Sterilization System (Lumen, Non Lumen, and Flexible cycles), and in STERRAD® 100S, STERRAD® NX® (Standard and Advanced cycles) and STERRAD® 100NX® (Standard, Flex, Express and Duo cycles) systems.

# 3M

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