



Attest™

Sterilization Solutions



3M™ Attest™ Auto-reader 490/490H System* Quick Reference Guide

VH2O2 BI Preparation and Use



1 Inspect
Remove BI from pouch and reseal. Verify media ampoule is intact and indicator stripes on cap are blue.



2 Pouch
Place BI and chemical indicator (CI) in peel pouch indicated for use in vaporized hydrogen peroxide (VH2O2) sterilization processes.



3 Process
Seal pouch and place in sterilizer with white side facing up. Process load as recommended by sterilizer manufacturer.



4 Identify
After completion of cycle, inspect and verify media ampoule is intact and indicator stripes on cap have turned towards pink. Identify the BI by writing on the label.

STEAM and VH2O2 BI Activation and Incubation



1 Crush
Squeeze BI in activator to close cap and crush media ampoule.



2 Flick
Remove BI and flick wrist to ensure media flows to growth chamber.



3 Inspect
Verify media has transferred to BI growth chamber at the vial bottom.



4 Incubate
Place activated BI in any well. Display shows remaining minutes of incubation or test results.
DO NOT REMOVE BI until the (+) or (-) symbol indicates the test is complete.

3M™ Attest™ Auto-reader 490/490H

Positive Control BI
For both Steam and VH2O2, each day a processed BI is incubated, activate and incubate an unprocessed BI as a positive control. The control BI should be from the same lot code as the processed BI.

Results After Incubation
Control BI: Positive (+) **Acceptable**
Processed BI: Negative (-) **Acceptable Sterilization**
Processed BI: Positive (+) **Failed Sterilization**

Remaining Incubation Minutes



NOTES:

- Activate and incubate 1295 BI within 1 hour of completion of the VH2O2 sterilization cycle.
- Gloves are recommended when activating 1295 BI.
- Allow 1491 and 1492V BIs to cool 10 minutes prior to activation.

Interpretation of 3M™ Sterilization Assurance Core Products

STEAM Indicator	Unexposed	Acceptable Exposed
3M™ Attest™ BI 1491 and 1492V	1491	1491
	1492V	1492V
	After processing, indicator on cap turns light brown or darker.	
3M™ Comply™ Indicator Tape 1322		
	After processing, indicator stripes turn dark-brown/black.	
3M™ Comply™ Indicator Tape 1355		
	After processing, indicator stripes turn dark-brown/black.	

VH2O2 Indicator	Unexposed	Acceptable Exposed Color Range
3M™ Attest™ BI 1295		
	After processing, indicator stripes turn toward pink.	
3M™ Comply™ Indicator Tape 1228		
	After processing, indicator stripes turn toward pink.	
3M™ Attest™ Tri-Metric Chemical Indicator 1348/1348E		
	After processing, a color change towards pink should have entered the ACCEPT window.	

STEAM Indicator	Unprocessed	Acceptable Processed PASS	Unacceptable Processed FAIL
3M™ Attest™ Steam Chemical Integrator 1243			
	After processing, indicator bar crosses into the ACCEPT region.		If the color bar is in the REJECT region or on the line, it is considered a fail.
3M™ Comply™ Bowie-Dick Plus Test Pack 00135LF			
3M™ Comply™ Early Warning Test Sheet (above)			
3M™ Comply™ Bowie-Dick Test Sheet (below)			
	When indicator ink circle on Early Warning Test sheet is lighter than the color standard, this may indicate that sterilizer maintenance should be scheduled.		
	PASS	PASS	FAIL
	After processing, a uniform color change to dark brown/black is a pass.		Fail result is indicated by a non-uniform color development, with a lighter colored area, usually near the center.

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*Refer to 3M™ Attest™ Auto-reader 490/490H Operator Manuals and 3M™ Attest™ Biological Indicator 1295, 1491 and 1492V Instructions for Use for complete instructions and other important information. Refer to the indications for use provided in the biological indicator Instructions for Use. The indications for use should align with the sterilization cycle to be monitored. This Quick Reference Guide applies to 3M™ Attest™ Auto-reader 490/490H having software version 4.2.7 or greater. Refer to the Instructions for Use for complete instructions and other important information related to the use of all other 3M products included in this Guide.

