

PRODUCT PROFILE



Monitor for AUTOMATED Enzymatic Cleaning Process

WHAT does this product do?

The Serim® PINNACLE™ Monitor for Automated Enzymatic Cleaning Process (AEC) monitors the cleaning efficacy of medical washer-disinfectors or ultrasonic cleaners using enzymatic detergents.

The test incorporates a dyed protein that is bound in the indicator pad. During the wash cycle the color of the indicator pad will change in response to detergent concentration, enzyme activity and exposure time as well as the wash cycle temperature and mechanical action.

WHY should I use this product?

Routine monitoring of cleaning and disinfection processes plays a pivotal role in continually assuring the highest possible quality standards for automated decontamination of medical devices.¹

Verification of cleaning process consists of “providing process controls along with validation and verification methodologies to ensure adequate, consistent cleaning levels.”²

WHERE do I use this product?

The PINNACLE Monitor for AEC is used with enzymatic detergents in medical washer-disinfectors or ultrasonic cleaners under normal cycle conditions with surgical instruments.

WHEN do I use this product?

Following recommendations in ANSI/AAMI ST79 “Mechanical cleaning equipment should be tested upon installation, weekly, preferably daily, during routine use, and after major repairs.” Testing the efficacy of washer disinfectors should be performed daily, preferably at the beginning of the shift.²

HOW do I use this product?

1. Write date/time, equipment ID and location (if applicable) on the test strip, then insert strip into holder.
2. Attach the test device inside the middle or lower instrument baskets or on the perimeter of the rack of the washer disinfecter making sure there is no contact with the spray arm. For ultrasonic cleaners, securely attach device to the instrument basket. The indicator pad and internal color standard should not be obstructed by any decontaminated surgical instruments.
3. Run wash cycle using enzymatic detergent.
4. At the end of the cycle, remove the test strip and compare the color of the indicator pad to the internal color standard. (See diagram at right.)

PASS – Indicator pad is **lighter in color** than the internal color standard

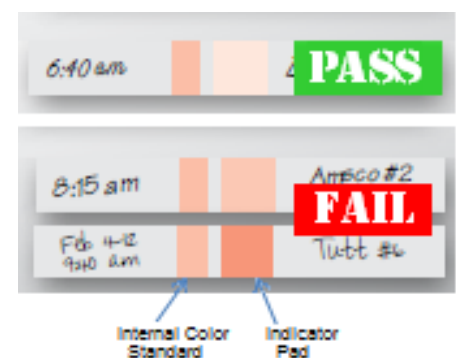
FAIL – Indicator pad is **similar to or darker in color** than the internal color standard



5176 PINNACLE™ Monitor for Automated Enzymatic Cleaning Process (AEC)

*Reusable resin or stainless steel holders are required for use with PINNACLE AEC Tests

The color of the indicator pad will change in response to detergent concentration and contact time, enzyme activity, wash cycle temperature and mechanical action.



Diagrams are for illustration purposes only. Always use the internal color standard on the actual test strip to interpret results

P R O D U C T P R O F I L E

Related Products:

PINNACLE Monitor for AUTOMATED Enzymatic Cleaning Process:

5176	PINNACLE AEC Test Strips	kit of 6 bottles of 50 test strips
5176IN	PINNACLE AEC Individual Test Kit	kit of 1 bottle of 50 test strips & 2 strip resin holders
5176H	PINNACLE AEC Resin Test Holders	kit of 18 resin holders
5176SS	PINNACLE AEC Stainless Steel Test Holders	1 each stainless steel holder
5176WC	PINNACLE AEC Instructions for Use	2 Instructions for Use & 1 Reference Guide

PINNACLE Monitor for MANUAL Enzymatic Cleaning Process:

5179	PINNACLE MEC Test Strips	kit of 2 bottles of 50 test strips
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Water Quality Test Strips:

5129	WATER HARDNESS TEST STRIPS	1 bottle of 50 test strips
5162	pH 0-14 Test Strips	1 bottle of 100 test strips

PINNACLE™ MONITOR FOR AUTOMATED ENZYMATIC CLEANING

Features	Benefits
Test can be conducted during a normal wash cycle containing surgical instruments	<ul style="list-style-type: none"> Test can be conducted at any time Test evaluates "real world" wash cycle that contains soiled surgical instruments Test does not require a special run cycle to determine cleaning efficacy of automated cleaning equipment
Monitors the cleaning efficacy of automated medical cleaning equipment	<ul style="list-style-type: none"> Only need to inventory one test to monitor the cleaning efficacy of washer-disinfectors or ultrasonic cleaners
Monitors all variables of the cleaning process	<ul style="list-style-type: none"> Sensitive to detergent concentration and enzyme activity, in addition to process parameters and mechanical action
Economically priced	<ul style="list-style-type: none"> Supports weekly (preferably daily) testing of automated medical cleaning equipment
Built -in color standard	<ul style="list-style-type: none"> Easy interpretation; color of the indicator pad is directly compared to the internal color standard
Does not react to common wash cycle additives	<ul style="list-style-type: none"> Test does not react with most lubricants or rinse aids
Stable results	<ul style="list-style-type: none"> The test strip can be kept as a record

References:

- Guideline Compiled by the DGKH, DGSV and AKI for Validation and Routine Monitoring of Automated Cleaning and Disinfection Processes for Heat-Resistant Medical Devices, Zentral STERILISATION, International Journal of Sterile Supply, Suppl. 2, 2007 May Volume 15
- ANSI/AAMI ST79:2010/A2:2011 'Comprehensive guide to Steam Sterilization and Sterility Assurance in Health Care', www.aami.org.



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