



Monitor for MANUAL Enzymatic Cleaning Process

WHAT does this product do?

The Serim® PINNACLE™ Monitor for Manual Enzymatic Cleaning Process (MEC) determines the presence of active enzymes in **manual bath solutions** using enzymatic detergents.

WHY should I use this product?

Enzymatic detergents greatly enhance the cleaning of medical instruments; however the optimal activity of enzymes is dependent on the correct detergent concentration (dilution), bath temperature and exposure time¹, all parameters to which the PINNACLE MEC Test Strips are sensitive.

Also enzymes gradually degrade during use (soil components are substrates for the enzymes) thus the amount of soil on the device during the enzyme treatment will affect the efficacy of cleaning.

"Disinfection and sterilization cannot be assured unless the cleaning process was effective; seek out whatever means are available and practical to verify the cleaning function. A quality system calls for monitoring and documenting both manual and automatic decontamination processing parameters."²

WHERE do I use this product?

Use the PINNACLE MEC in hospital CSPD, medical or dental OR decontamination areas or wherever manual soaking or hand washing with enzymatic detergents is carried out.

Enzyme detergents are commonly used in processing delicate or complex medical devices, such as microsurgical or vascular instruments, instruments with hinges, orthopedic instruments, and instruments with lenses or lumens (e.g., flexible endoscopes).

WHEN do I use this product?

Prior to use; dilute the enzymatic detergent according to the manufacturer's instructions then test the bath solution with a PINNACLE MEC strip. (Do **not** use PINNACLE MEC Test Strips in concentrated enzymatic detergent.)

HOW do I use this product?

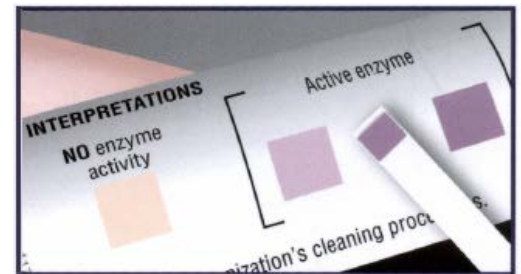
1. Fully immerse the indicator pad into the manual bath solution for **one (1) second**. Do not shake or blot the test strip.
2. Lay strip, pad side up, on a clean surface. Compare the color of the indicator pad to the color chart on the bottle label at **90 seconds**. Record results.



5179 PINNACLE™ Monitor for MANUAL Enzymatic Cleaning Process (MEC)

2 bottles/kit; 50 strips/bottle

The color of the indicator pad will change in the presence of active enzymes in manual bath solution.



Diagrams are for illustration purposes only. Always use the color blocks on the actual bottle label to interpret results.

Visit www.serim.com for a **list of enzymatic detergents** validated for use with the PINNACLE™ Monitor for MEC

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

Water hardness, pH and the type of soil also affect the efficacy of enzyme detergents.²

Related Products:

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 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 Holders	kit of 18 resin holders
5176SS	PINNACLE AEC Stainless Steel Holders	1 stainless steel holder
5176WC	PINNACLE AEC Instructions for Use	2 Instructions for Use & 1 Reference Guide

PINNACLE™ MONITOR FOR MANUAL ENZYMATIC CLEANING

Features	Benefits
Detects the presence of active enzymes in manual bath solutions using enzymatic detergent	Guards against using enzymatic detergent that is expired or contains inactive enzymes
Economically priced	Supports frequent testing of manual bath solutions used to clean delicate or complex medical devices.
Ready-to-use strips	No preparation or mixing of reagents No calibration or instruments required
Simple "Dip & Read" procedure with results in 90 seconds	Allows quick check of enzyme activity prior to using manual bath solution
Easy to interpret color blocks	Compare color of indicator pad to color blocks on bottle label
Each bottle clearly labeled with lot number & expiration date	Traceability of product from manufacturing to final user Leaves no doubt as to the age or integrity of the product

References:

1. AAMI TIR30:2011 Technical Information Report, A compendium of processes, materials, test methods, and acceptance criteria for cleaning reusable medical devices. Association for the Advancement of Medical Instrumentation, Arlington, VA.
2. AAMI ST79:2010 Comprehensive Guide to steam sterilization and sterility assurance in health care facilities. Association for the Advancement of Medical Instrumentation, Arlington, VA



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Certified to ISO 9001:2008 & ISO 13485:2003