

PINNACLE MONITOR FOR AUTOMATED ENZYMATICAL CLEANING (AEC) PROCESS

Instructions For Use Overview

PURPOSE OF THE PINNACLE AEC TEST

- 💧 The test is to be used to monitor the effectiveness of the washer-disinfector's instrument cleaning cycle when using enzymatic detergent.
- 💧 This test strip is also used to monitor instrument cleaning of ultrasonic cleaners when using enzymatic detergent. Confirms cavitation in ultrasonic cleaners
- 💧 Recommended use: Daily testing as recommended by AAMI guidelines
- 💧 The test has **not** been found to react to wash cycle additives such as rinse aids or lubricants (based on Serim Research testing and commercial use) and does not test effectiveness of these additives.



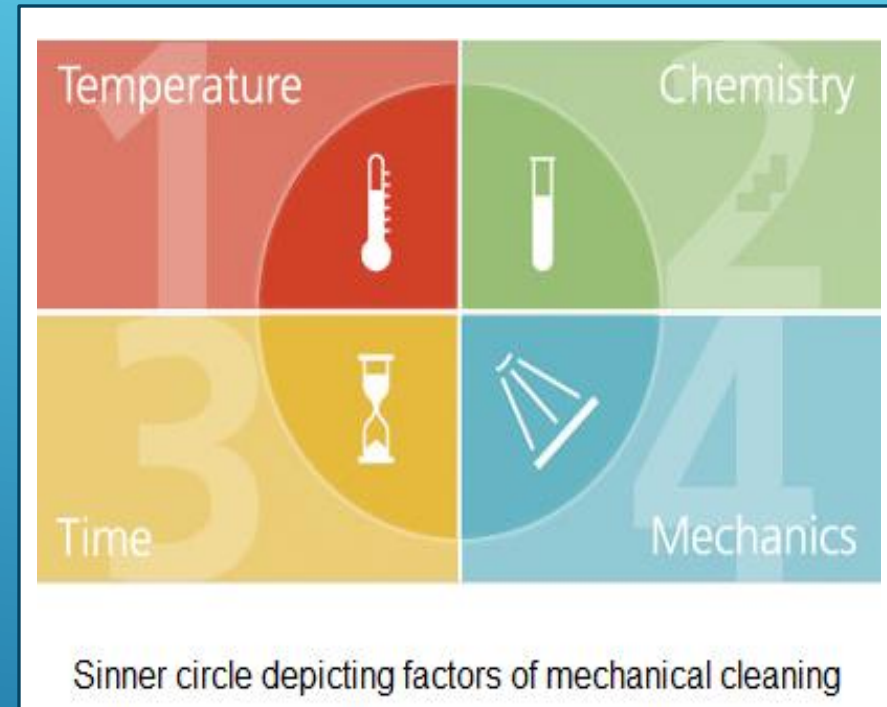
Do not use the PINNACLE AEC Test for:

- testing bedpan or cart washers using lower detergent concentrations and/or shorter cycle times
- plastic ware wash cycles using low temperature settings and/or shorter wash cycles
- wash cycles using neutral detergents NOT containing enzymes



FACTORS INVOLVED IN MECHANICAL CLEANING

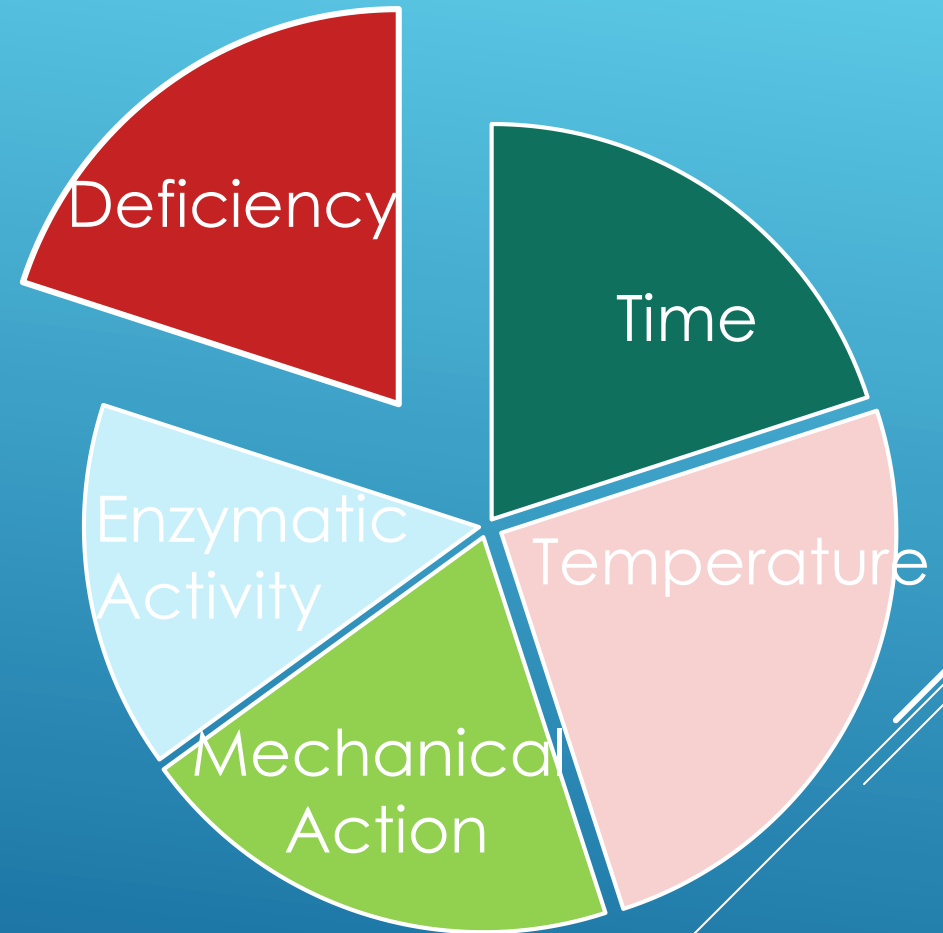
- A large portion of the cleaning action is dependent on the detergent chemistry used.
- When using neutral enzymatic detergents exposure time as well as the wash temperature plays an important role in the action of the active enzyme on the contaminating soils.



SUBOPTIMAL CONDITIONS

A deficiency in any area may produce sub-optimal cleaning conditions

This examples shows reduced cycle time and detergent concentration
- Mechanical action also reduced due to reduced cycle time



HOW TO USE THE PINNACLE AEC TEST



Remove a test strip
from bottle



Write date/time, washer ID
and location on strip

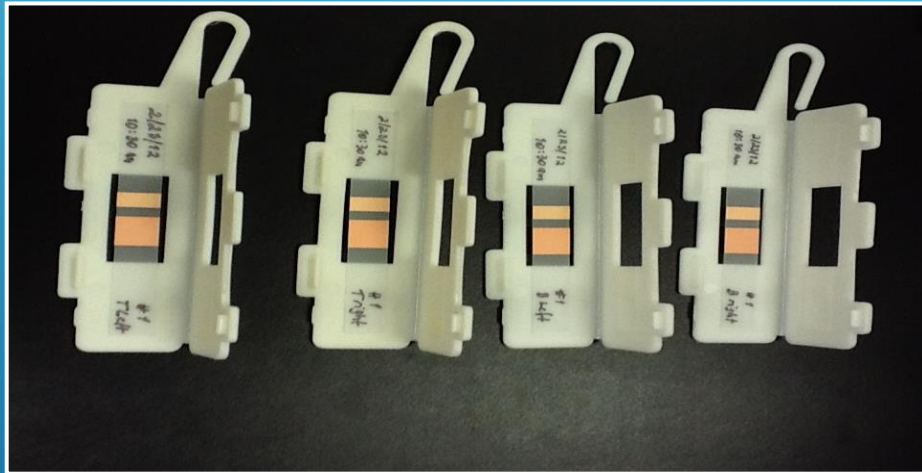


Insert the strip in a holder

HOW TO USE THE PINNACLE AEC TEST

- Preparation of test

- Remove as many Pinnacle AEC test strips from bottle as needed
- Write date/time, washer ID and location on strip
- Test devices should be used within 8 hours of preparation
- Insert test strip in the holder



Place the Pinnacle AEC test strip in the channel of the resin holder and snap closed

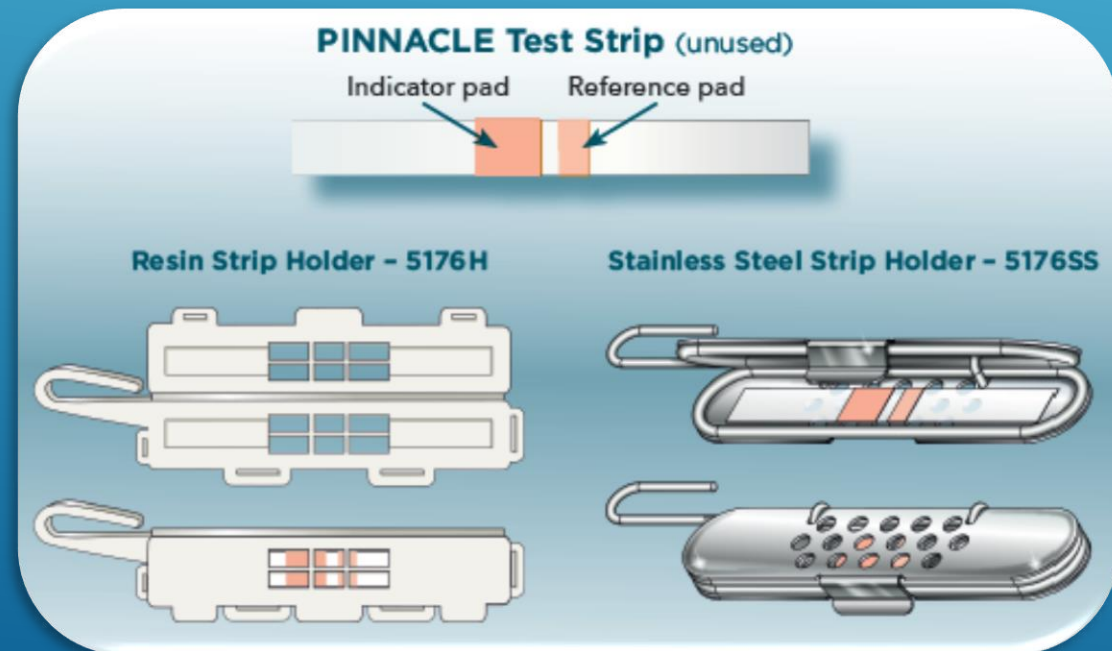


Slide ends of the Pinnacle AEC test strip between the crimped tabs on each end

HOW TO USE THE PINNACLE AEC TEST

◆ Test Device Components:

- Test Strip containing the Indicator Pad and the Reference Pad.
 - Comparison of Indicator pad color with Reference pad color determines PASS or FAIL condition
- Test Strip Holder with hook to secure test device onto racks or baskets in washer and ultrasonic cleaner.



HOW TO USE THE PINNACLE AEC TEST

- Placement in Washer / Disinfector
- **Test Device has to hang freely, without being obstructed**

In Baskets...



- Use the hook to attach the PINNACLE test device to the handles or wire openings of baskets
- In rare instances, when clogged nozzles or spray arms resulted in increased water pressure from the main spray arm, the indicator pad on a test device placed directly under the main spray arm was removed by the force of water.

HOW TO USE THE PINNACLE AEC TEST

- 💧 Placement in Washer / Disinfector
- 💧 **Test Device has to hang freely, without being obstructed**

On Racks ...



...away from spray arm

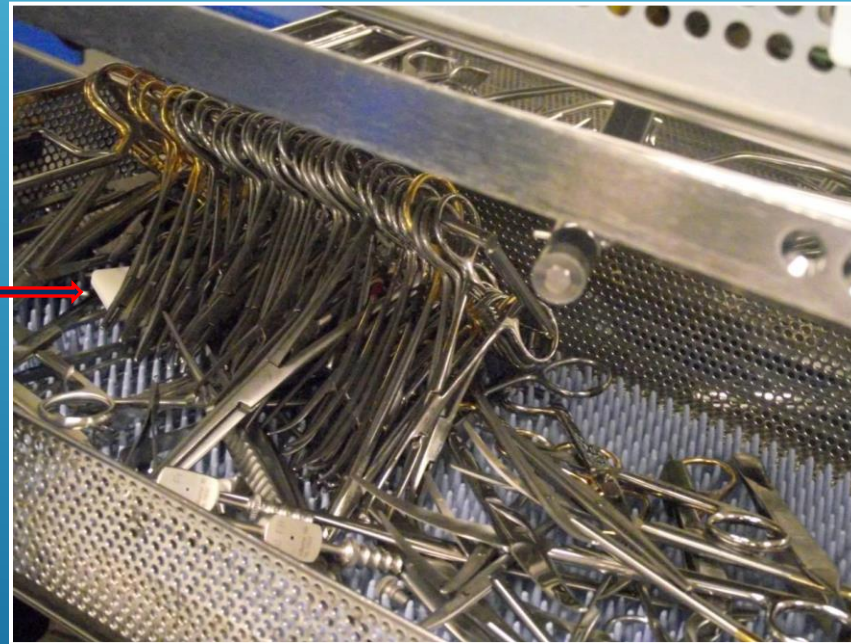
Hook the test around the perimeter of the rack, do not obstruct the spray arm movement



PROPER PLACEMENT OF PINNACLE AEC TEST DURING USE

❖ **Incorrect** Placement in Washer-Disinfecter

Test is obstructed



PROPER PLACEMENT OF PINNACLE AEC TEST IN ULTRASONIC CLEANERS



- ◆ Hang test around perimeter or place flat in the basket for ultrasonic cleaners – do not obstruct test

READING THE PINNACLE AEC TEST RESULTS

💧 Interpretation of Results:

- Remove strip from Holder, ensure that you hold strip PAD SIDE UP!
- Interpret the results by comparing the color of the LARGER indicator pad to the *smaller* reference pad.

PASS:
Indicator Pad is
lighter than Reference Pad



FAIL:
Indicator Pad is **similar**
or **darker than** the
Reference Pad





Both resin and stainless steel holders were improved in 2021 to provide a more robust cleaning challenge. All holders in this presentation can be used in both washer-disinfectors and ultrasonic cleaners

- Please visit the Support page on www.Serim.com for reference and support material including Reference Guide, Log Sheet and Instructions for Use
- “Diagnosing a Fail” test result presentation is also available on the Central Service Support Page
- Information about the PINNACLE Manual Enzymatic Cleaning Process (MEC) test and other products can be found at www.Serim.com

