

Directions for Use of Ultrasnap ATP Swab with Hygiena ATP Hygiene Monitoring Systems

General Description

The Ultrasnap surface sampling device is a self-contained ATP device for use with Hygiena luminometers. This system is for product quality and HACCP related monitoring of processing equipment, surfaces, samples and other environments. The Hygiena instrument, in conjunction with the Ultrasnap ATP swab measures adenosine triphosphate (ATP), the universal energy molecule found in all animal, plant, bacterial, yeast and mold cells. Product residues, particularly food residues, contain large amounts of ATP. Microbial contamination contains ATP, but in smaller amounts. After cleaning, all sources of ATP should be significantly reduced. When ATP is brought into contact with the unique liquid-stable luciferase/luciferin reagent within the Ultrasnap sampling device, light is emitted in direct proportion to the amount of ATP present. The Hygiena instrument measures the amount of light generated and provides information on the level of contamination within seconds.

1. Collecting Sample

When collecting a sample, make sure to use aseptic techniques. Do not touch the swab or the inside of the sampling device with fingers. Holding the swab tube, twist and pull the top of the swab out of the swab tube. The swab tip comes pre-moistened with a detergent. Condensation may be visible on the inside of the swab tube; this is normal. Thoroughly swab a standard 10 x 10 cm (4 x 4 inches) area of interest for a typical flat surface. Rotating the swab while swabbing a surface will increase sample size. For irregular surfaces, ensure swabbing technique remains consistent for each swab. After swabbing desired test area, place swab back in swab tube. The sample can be left for up to 4 hours on the swab bud before activating the device; however, once activated the sample must be read in luminometer within 60 seconds.

For liquid samples such as CIP rinse water testing, users should use Aquasnap (part# AQ100)

Tip: The test is designed to detect invisible amounts of product residue. When performing sample collections, it is important to make sure not to overload the swab bud with too much sample. Some products in very high concentrations can inhibit the bioluminescence reaction.

2. Activating Device

To activate the device hold the swab tube firmly and use the thumb and forefinger to break the Snap Valve by bending the bulb forward and backward. Squeeze the bulb twice, expelling all liquid down the swab shaft. Bathe the swab bud in liquid by gently shaking for 5 – 10 seconds.

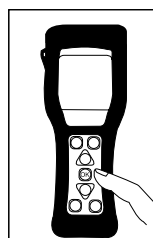
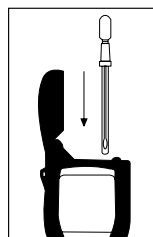
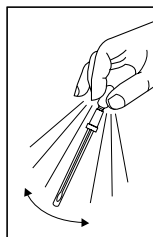
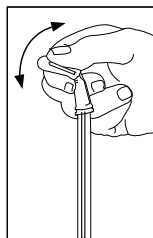
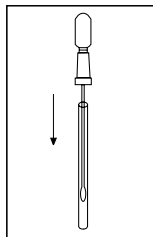
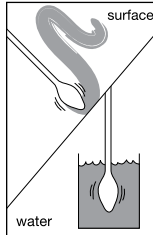
3. Reading Results

Insert the Ultrasnap device into the Hygiena luminometer, close lid and read the results by pressing "OK". Results should be read within one minute of activation. Please refer to the instrument manual or web site for operating instructions.

Tip: In order to track results better, assign locations specific Program (PROG) Numbers and select the correct PROG number for the location where you are prior to taking the reading.

4. Interpreting Results

When using the default setting in the Hygiena luminometers, readings less than 10 indicate that the surface is considered clean. Readings between 11-29 indicate a warning that the surface is not adequately clean. If the reading is greater than 30 the surface is considered dirty.



Hygiena recommends setting RLU thresholds according to the standards of your facility. To find out how to determine the correct threshold settings, go to <http://hygiena.net> to view recommended practices or call one of our technical representatives.

5. Controls

It is recommended that positive controls (Part No. PCD4000) be run once a month to verify integrity of the instrument's calibration system. The positive control should yield a result that is consistent with the signal strength document accompanied in the positive control kit.

For more information on our positive control device go to our web site at www.hygiena.net

6. Precautions and Warnings

- If Ultrasnap device accidentally gets activated do not use.
- Avoid collecting large amounts of sample on swab bud.
- Hold the instrument upright when taking readings.
- Hold Ultrasnap device upright when activating.
- Read Ultrasnap sampling device within one minute of activation.
- Keep Ultrasnap out of direct sunlight.

7. Storage

Ultrasnap sampling devices must be refrigerated at 2-8 degrees C (35 – 46 °F). Sample devices should be left out at room temperature for 10 minutes before being used. Sample devices will tolerate temperature abuse for 4-weeks at room temperature (<25°C).

8. Safety

The components of Ultrasnap do not pose any risk to health when used in accordance with standard laboratory practice and the procedures of this insert. For further safety instructions refer to product MSDS.

9. More Information

If more information is required, please visit us at www.HardyDiagnostics.com or contact us at:



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