Directions for use of

SuperSnap

Ultra- Sensitive ATP test

Part Number: ATP3000 | 100 Tests

Description and Intended Use

The SuperSnap surface sampling device is a self-contained highly sensitive ATP (Adenosine Triphosphate) testing device for use with Hygiena luminometers. This system is used for hygiene monitoring, HACCP related monitoring of processing equipment, cleaning validation and other environmental monitoring such as allergen prevention programs. SuperSnap is designed to detect very low levels of organic residue with greater tolerance to harsh samples that could affect the bioluminescence reaction.

As an allergen prevention tool, SuperSnap can be used to verify the efficacy of cleaning procedures for the removal of product residues that may contain potential allergenic material. The enhanced sensitivity allows detection of product residues down to 1 - 1000 ppm depending on the product matrices. This is comparable or better than the detection capabilities of specific allergen tests.

Overview

ATP is 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 SuperSnap 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.

Test Procedure

1 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 em (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.

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. 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.

3. To activate the device, hold the swab tube firmly and use the thumb and forefinger to break the Snap Valve pin by bending the bulb forward and backward.

4. Squeeze the bulb 5 times, expelling all liquid down the swab shaft. Bathe the swab bud in liquid by gently shaking for 5 seconds.

5. Insert the SuperSnap device into the Hygiena luminometer and close the lid.

6. Read the results by pressing "OK". Results should be read within 60 seconds after activation. Please refer to the instrument manual or web site for operating instructions.

Interpreting Results

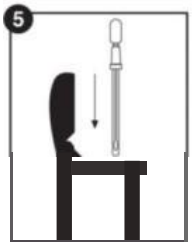
When using the default setting in the luminometers, readings less than 10 indicate that the surface is considered clean. Readings between 11-29 indicate a warning that the surface is not adequately clean. If the reading is greater than 30 the surface is considered dirty.













Scigiene recommends setting RLU thresholds according to the standards of your facility. To find out how to determine the correct threshold settings, go to the technical solutions at www.scigiene.com to view recommended practices or call one of our technical representatives.

SuperSnap is a highly sensitive test and produces more light per ATP molecule than other Hygiena tests. Adjustments need to be made to thresholds if UltraSnap (Part.# ATP2020) is also used on the same Hygiena Luminometer. SuperSnap is 4 times more sensitive than UltraSnap. Customers should adjust the thresholds 5 times higher if using SuperSnap at locations previously tested with UltraSnap and wanting to maintain the same level of cleanliness. Electing not to adjust thresholds will increase the Customer's standard of cleanliness / hygiene.

Customers using SuperSnap in an allergen prevention program should leave the threshold at the preset factory settings or adjust down depending on the product matrices. For allergen testing technical documents go to the resource center at www.scigiene.com.

Controls

It is recommended that calibration controls (Part No. ATP4003) 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 www.scigiene.com.

Precautions and Warnings

a. Do not use SuperSnap device if it is already activated.
b. Do not use devices beyond expiration date.
c. Avoid collecting large amounts of sample on swab bud.
d. Hold the instrument upright when taking readings.
e. Hold SuperSnap device upright when activating.
f. SuperSnap sampling device should be read within 60 seconds after activation.
g. Keep SuperSnap out of direct sunlight.
h. Users must establish and validate threshold limits for their application.

Storage and Shelf Life

- SuperSnap sampling devices must be refrigerated at 2-8°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).
- SuperSnap devices have a shelf life of 15 months.

Safety

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

More Information

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

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