

# UltraSnap™ Surface ATP Test

For use with Hygiene™ ATP Monitoring Systems

Part No: US2020 (100 tests)



## Description/ Intended Use:

UltraSnap Surface ATP Test is a self-contained device for use with Hygiene luminometers. The test device and luminometer create a system used for monitoring hygienic status of surfaces on processing equipment and other environments in a wide range of industries. The system works by measuring adenosine triphosphate (ATP), the universal energy molecule found in all animal, plant, bacterial, yeast, and mold cells. Product residues from organic matter left on surfaces contain ATP. Microbial contamination on a surface contains ATP but typically in smaller amounts. After proper cleaning, all sources of ATP should be significantly reduced. When a sample is collected and ATP is brought into contact with the unique liquid stable Luciferase/ Luciferin reagent in the UltraSnap test device, light is emitted in direct proportion to the amount of ATP present in the sample. The luminometer measures generated light and reports results in Relative Light Units (RLU). RLU result provides information on the level of contamination within seconds. The higher the RLU number, the more ATP present, and the dirtier the surface. It is important to note that UltraSnap is designed to detect invisible/trace amounts of residue. Overloading the swab with physical matter by swabbing a visibly dirty surface will inhibit the bioluminescent reaction and produce inaccurate results.

For water samples such as Clean In Place (CIP) rinse water testing, use AquaSnap™ Water ATP Test Devices.

## Directions:

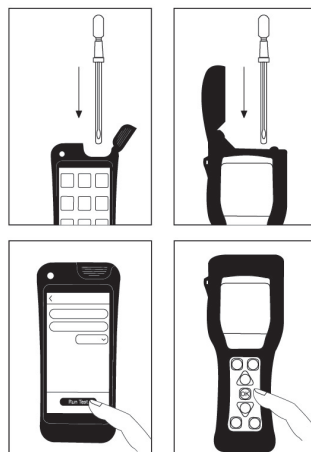
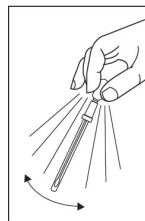
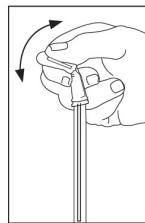
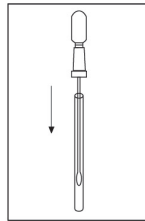
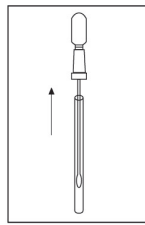
Before beginning testing, turn on luminometer. If luminometer has been programmed with test locations, select appropriate location before running test.

1. Allow UltraSnap to equilibrate to room temperature (21 – 25 °C) before use. Holding swab tube firmly, twist and pull top of swab out of swab tube. Condensation may be visible on inside of swab tube; this is normal.
2. Thoroughly swab a standard 10 x 10 cm (4 x 4 inches) area for a typical flat surface. Swab tip is pre-moistened for maximum sample collection. For irregular surfaces, ensure swabbing technique remains consistent for each test and swab a large enough area to collect a representative sample.

### Important swabbing technique tips:

- Do not touch swab or inside of sample device with fingers.
- Rotate swab while collecting sample to maximize sample collection on swab tip.
- Apply sufficient pressure to create flex in swab shaft.
- Swab in a crisscross pattern vertically, horizontally, and in both diagonal directions.

3. After swabbing, replace swab back in swab tube.
4. To activate device, hold swab tube firmly and use thumb and forefinger to break Snap-Valve by bending bulb forward and backward. Squeeze bulb twice, expelling all liquid down swab shaft.
5. Bathe the swab bud in liquid by shaking for 5 – 10 seconds. Once activated, sample must be read in luminometer within 30 seconds.
6. Holding luminometer upright, insert entire UltraSnap device into Hygiene luminometer.
7. **A.** If using the EnSURE™ Touch, close lid and press "Run Test" to initiate measurement. Refer to the instrument manual for operating instructions. Results will be displayed in 10 seconds.  
**B.** If using the EnSURE™ or SystemSURE Plus, close lid and press "OK" to initiate the measurement. Refer to the instrument manual for operating instructions. Results will be displayed in 15 seconds.



## Interpretation of Results:

Hygiene luminometers are preset with Pass & Fail RLU limits of 20 and 60 RLU for the EnSURE Touch and 10 and 30 for the EnSURE and SystemSURE Plus. These limits are based on industry standards and published study recommendations. When using default settings, readings less than 20 on the EnSURE Touch (10 on EnSURE and SystemSURE Plus) RLU indicate surface is considered clean. Readings between 21-59 on the EnSURE Touch (11-29 on EnSURE and SystemSURE Plus) RLU indicate a warning, surface is not adequately clean. If reading is greater than 60 on the EnSURE Touch (30 on EnSURE and SystemSURE Plus) RLU, surface is considered dirty. Hygiene recommends setting RLU thresholds according to standards of your facility.

## Calibration Control:

It is advisable to run positive and negative controls according to Good Laboratory Practices. Hygiene offers the following controls:

- (Part # PCD4000) Calibration Control Kit for Hygiene Luminometers
- (Part # CK25) ATP Positive Control Kit for ATP Test Devices
- (Part # CAL) CalCheck LED Calibration Verification Device

## Storage & Shelf Life:

- Store at 2 – 8 °C (36 – 46 °F)
- Test devices will tolerate temperature abuse for 4 weeks at room temperature (< 25 °C)
- Store UltraSnap devices out of direct sunlight.
- Devices have a 15-month shelf life. Refer to expiration date on label.

## Disposal:

UltraSnap devices are made of 100% recyclable plastic and may be discarded accordingly.

## Safety & Precautions:

Components of UltraSnap do not pose any health risk when used in accordance with standard laboratory practice and procedures of this insert.

- UltraSnap test devices are for one-time use. Do not reuse.

For further safety instruction, refer to Safety Data Sheet (SDS).