



## Rapid Hygiene Testing



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## Hygiene Measurement

### 4 Steps



**SURE-Trend** ✓ Tracking Software



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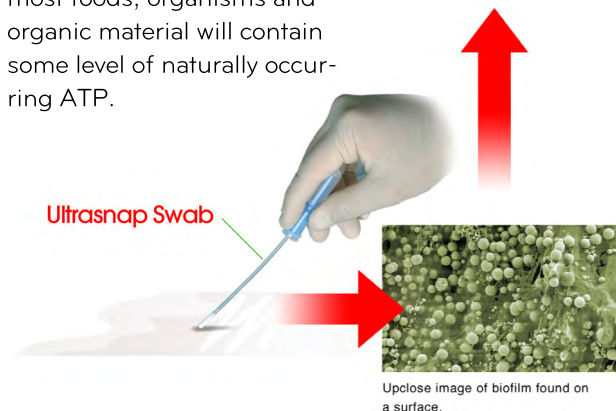
# Rapid Hygiene Testing

## Rapid Hygiene Testing

ATP (adenosine triphosphate) is present in all organic material, and is the universal unit of energy used in all living cells. ATP is produced and/or broken down in metabolic processes in all living systems. Processes such as photosynthesis in plants, muscle contraction in humans, respiration in fungi and fermentation in yeast are all driven by ATP. Therefore, most foods, organisms and organic material will contain some level of naturally occurring ATP.



**Results in 15 seconds**



The presence of ATP on a surface indicates improper cleaning and the presence of contamination, including food residue, allergens, bodily fluids, faecal matter, mould and/or bacteria.

## Rapid Hygiene Testing - Your guarantee of quality

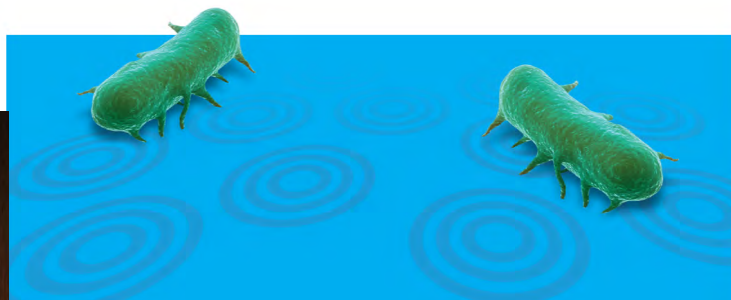
The purpose of cleaning is to create a safe and hygienic environment and it has been long recognised that visually clean is a poor indicator of hygienic cleaning. Cleaning is more than the removal of micro-organisms, it should also include the removal of surface contaminations which can protect and supply a food source for bacteria and moulds. Whether you are a hospital, food manufacturer, school, restaurant, gym or cleaning up after water damage, the consequence of improper cleaning will result in elevated levels of bacteria and mould in your premise. Although at the time of cleaning you will not see this contamination, left untreated, these micro-organisms will continue to multiply and will become evident through,



## The Guarantee of Quality

The only guarantee for the quality of cleaning has been achieved is through post cleaning hygiene testing. Traditionally this has been done using microbiology which expensive and slow, taking up to 7 days for a result. The other problem with microbiology is it only detects live bacteria and not other contaminants such as bodily fluids, food residues, faecal matter and other organic residues.

**In many cases these contaminants become hazardous to health before you can physical detect them using sight, touch or smell alone.**



**“Visual assessment is a poor indicator of cleaning efficiency.”**

(Rifhat et al., Am J Infection Control 2003; 31:181)

## Sanitising alone is not good enough.

Bacteria, like all living things, cannot survive without food and organic residues not only provide food but can also protect microbes from disinfectant and sanitisers. Even if you kill all the bacteria on a dirty surface, the food source still remains. Once the sanitiser wears off and when new microbes can come in contact with this surface they will multiply faster than they would on a properly cleaned surface. The ideal cleaning validation test is one that detects not only microbes but also organic residues and gives results in real time.

## How it works?

The systemSURE Plus Rapid Hygiene system is a swab based that detects ATP residues in just 15 seconds. It is a hand held instrument that allows on-site testing and will give you quantitative results in real time. The technology uses bioluminescence and it is the same reaction that makes fireflies glow. The higher the concentration of ATP, the higher the amount of light is produced.

The systemSURE Plus is a luminometer which measures this light and converts this into value.

Put simply, the higher the ATP level, the higher the contamination and the health risk. By using the latest in rapid hygiene testing you can scientifically guarantee cleaning quality.



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