# New and Improved

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## What is InSite *Listeria*?

Hygiena™ InSite *Listeria* is a simple screening test for *Listeria* species intended for food contact surfaces, walls, and other areas (Zones 1-3) after cleaning has been performed. It is a self-contained test device with a selective growth medium. The color-changing medium gives presumptive positive results in as soon as 24 hours but requires 48 hours incubation for negative results.

## What has changed? And why?

Hygiena has developed a proprietary growth medium with increased selectivity that has been certified by AOAC-RI (*Performance Tested Method*℠ certification 121902) and detects low numbers of *Listeria* on stainless steel, ceramic and plastic surfaces, and gives equivalent results to the FDA BAM method. The swab also contains neutralizing buffers to allow for testing of surfaces with traces of sanitizers that might interfere with testing. The increased selectivity of the new media reduces the proportion of presumptive positives caused by non-*Listeria* organisms up to 75%, depending on the contamination level and species present in the sample. Heavily contaminated samples (floors and drains) can result in presumptive positives that do not subsequently confirm as *Listeria* spp. These results are frequently due to cross-reaction of non-*Listeria* bacteria such as *Enterococcus* and certain species of *Bacillus*. This is illustrated in the AOAC-RI (PTM certification 121902) report, and a Hygiena application note that evaluates the two tests using environmental type cultures.

## How will the results differ from the old and new media?

Like Hygiena's current InSite *Listeria* assay, the media of InSite *Listeria* will turn black to indicate a presumptive positive. The kit insert gives instructions on how to use the device and interpret the color reactions together with the image (see page 2). The chart on page 2 of this document shows the relationship between inoculum size and presumptive positive rate for 24 wild-type organisms known to give presumptive positive reactions in the original media. Non-confirming presumptive positives from non-*Listeria* species can still be expected from heavily contaminated samples, but at a reduced frequency.

## Will the new InSite *Listeria* look any different?

No. The device looks the same and is used in the same way. Please note the new product numbers: **ATP-160-50-LC** (50 tests) and **ATP-160-100-LC** (100 tests).

## 24 Wild-Type Non-*Listeria* Species Cultures from Customer Trials