

## 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*<sup>SM</sup> 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.

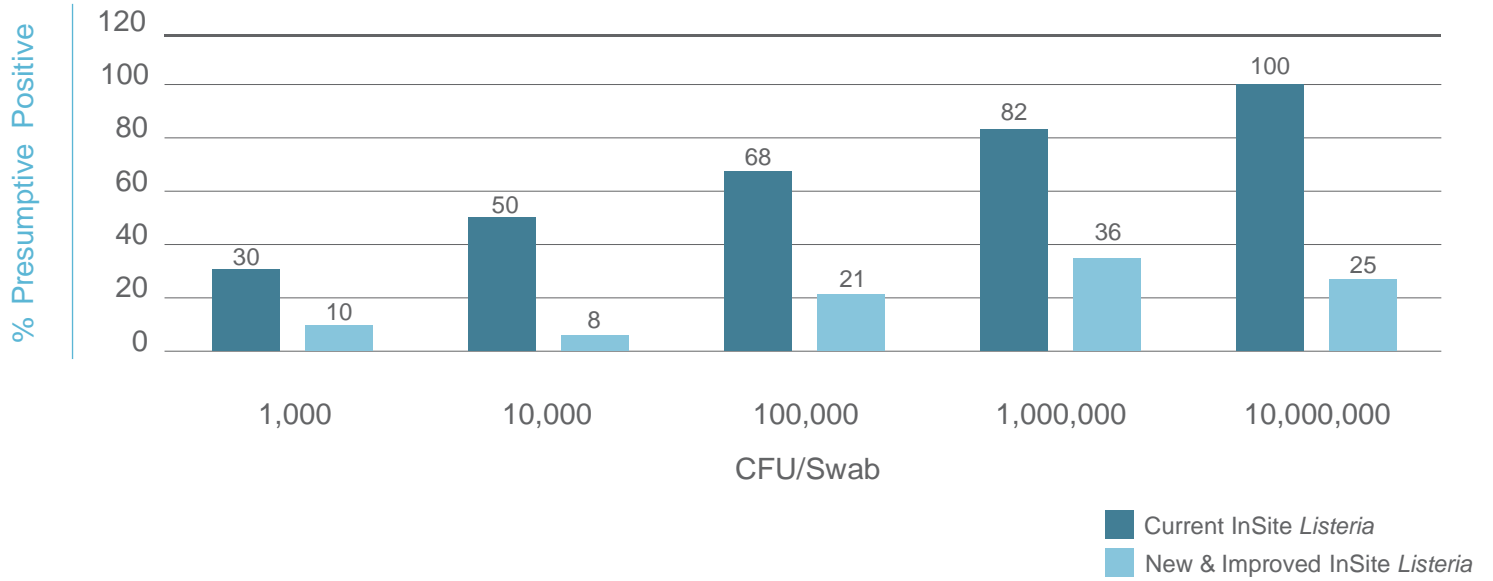
## How will the results differ from the old and new media?




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



NATURAL LIGHT		
NEGATIVE	LISTERIA SPP.	LISTERIA SPP.
-	+	+
-	spp.	spp.
		
YELLOW	GREY	BLACK
PRESUMPTIVE POSITIVE FOR LISTERIA SPP.		