

# **PDX-LIB:** The Easiest Listeria Test on the Market

A Convenient High Throughput Test  
for Environmental Listeria.

# PDX-LIB

- LIB: Listeria Indicator Broth.
- Intended as an environmental screening test for *Listeria* spp. contamination used in conjunction with a comprehensive HACCP plan.
- Test integrated into the selective enrichment phase of analysis.

# Performance Parameters

- LIB detects all six species within the *Listeria* genus: Lm, Li, Lw, Liv, Lg and Ls.
- LIB contains recovery agents to permit detection of sub-lethally injured cells.
- Typical positive tests are detectable within 30 to 48 hours of 37° C incubation.
- Negative tests are confirmed negative after 48 hour incubation.

# Performance Parameters on Real Environmental Samples

408 samples from processing plant

PDX-LIB	Environmental Samples	%
True +	3	1%
True -	392	96%
False +	9	2%
False -	4	1%
Total	408	100%
Sensitivity	99%	
Specificity	98%	
Accuracy	97%	

# Compatibility with other Diagnostic Methods

- LIB is compatible with most Immunoassay methods provided samples are cultured at  $< 32^{\circ}\text{C}$ .
- LIB is compatible with selective agars e.g. MOX and ALOA.
- LIB is compatible with commercial PCR products e.g. BAX.

# Benefits and Advantages to Customer.

- Ease of use.
- Cost effective.
- Self contained, minimizing risk of inadvertent contamination.
- No instrumentation required.
- Can be conducted by personnel with minimal training.

# Frequently Asked Questions

- Q:What if the sample turns black after 48 hours. A: It is deemed a presumptive positive; can be tested for catalase in-situ or submitted for confirmation.
- Q:Are presumptives viable for further testing? A: Affirmative.
- Q: What is the SOP for a presumptive on a food contact surface? A: Submit the sample for confirmation; clean and re-test.
- Q: We have heard that LIB has a high false positive rate. A: Many of these reports reflect measurement of the false positive rate only over a portion the facility, e.g. in poorly maintained areas, or drains.

# Contacts for Technical Support

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