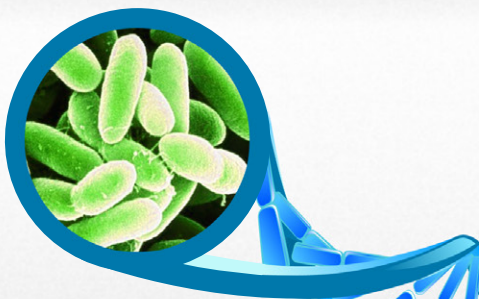


# Veriflow<sup>®</sup>

LISTERIA SPECIES

THE POWER OF **MOLECULAR DIAGNOSTICS**  
IN THE PALM OF YOUR HAND<sup>®</sup>



INNOVATIVE MOLECULAR DETECTION  
FOR FOOD SAFETY MADE **SIMPLE,**  
**ACCESSIBLE, AND AFFORDABLE**

## PRODUCT DESCRIPTION

**Veriflow<sup>®</sup> Listeria species** (LS) represents a new, ultra sensitive and user-friendly class of diagnostics: Molecular Flow-Based Detection. The patented vertical flow technology allows for the sensitivity of real-time PCR tests, but with the ease of use associated with lateral flow assays. The result is an effective and rapid system that minimizes sample preparation, speeds time to results, and provides easy to interpret data for the end user.

Veriflow<sup>®</sup> LS can be used for the presumptive and qualitative detection of *Listeria species* from a variety of food and environmental matrices. The Veriflow<sup>®</sup> LS system eliminates the need for gel electrophoresis or fluorophore based detection of target amplification, and does not require complex data analysis. Veriflow<sup>®</sup> LS is the next generation in powerful diagnostic tools to help manufacturers and government regulators keep the global food supply safe.

RESULTS IN  
**24**  
HOURS



## THE VERIFLOW<sup>®</sup> ADVANTAGE

- ✓ **QUICK AND EASY**
  - Reduces a traditional 96 hour detection time to **ONLY 24 hours**
  - NO DNA purification required
  - **1-step** enrichment for all food and environmental matrices
- ✓ **HIGH SENSITIVITY**
  - Target amplification of a conserved gene marker from *Listeria species* provides for superior sensitivity
- ✓ **SUPERIOR INCLUSIVITY AND EXCLUSIVITY**
  - 100% inclusivity rate
  - 100% exclusivity rate
- ✓ **AFFORDABLE AND ECONOMICAL**
  - Compact thermocycler greatly reduces equipment footprint
  - Elimination of complex systems reduces capital equipment costs by as much as 80% without sacrificing operational efficiency and accuracy
  - Ease of use relieves need for highly trained personnel to run the system

**INVISIBLE SENTINEL<sup>®</sup>**

P. 215.966.6118 | F. 215.921.5091 | Email [info@invisiblesentinel.com](mailto:info@invisiblesentinel.com) | [www.invisiblesentinel.com](http://www.invisiblesentinel.com)

*Invisible Sentinel<sup>®</sup> and Veriflow<sup>®</sup> are registered trademarks of Invisible Sentinel, Inc, of Philadelphia, PA, U.S. Patent No. 8,183,059 and other patents pending. Purchase and use of this product is subject to Invisible Sentinel's Terms and Conditions of Sale located at <http://www.invisiblesentinel.com>.*

PERFORMANCE TESTED  
**AOAC**  
RESEARCH INSTITUTE  
LICENSE NUMBER 121302

# INVISIBLE SENTINEL

## LISTERIA SPECIES TEST PROTOCOL

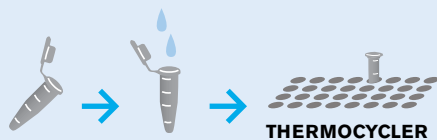
**ENRICH** After 24 hours enrichment, transfer 500 µl sample to provided 1.5 ml tube. Heat sample for 10 minutes, then allow to cool to room temperature.

### START

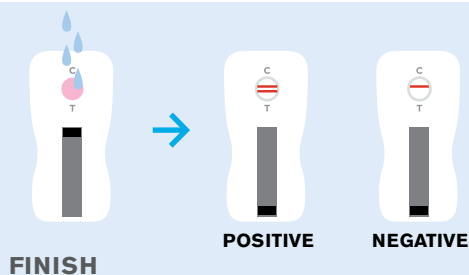


**AMPLIFY** Transfer 5 µl of heat inactivated sample into provided reagent tube. Place tube into thermocycler and run program.

### 90 MINUTE AMPLIFICATION



**DETECT** Remove reagent tube from thermocycler. Dispense reagent tube contents onto test cassette window. Wait 3 minutes and retract test cassette to reveal test results. One line indicates a negative result, two lines indicate a positive result.



## ADVANTAGES OF THE FIRST

### VERTICAL FLOW-BASED MOLECULAR TECHNOLOGY

#### Advantages Over Lateral Flow Technology

- Yields results in 3 minutes post sample addition
- Eliminates back-flow reducing false positive rate
- Provides higher sensitivity resulting in lower limit of detection
- Detects molecular signatures allowing for higher specificity

#### Advantages Over RT-PCR Technology

- No ambiguous results – one line negative, two lines positive
- No DNA purification or cumbersome sampling steps
- Minimal Training
- Easy deployment

## ORDERING INFO

For more information, please visit us online at [www.invisiblesentinel.com](http://www.invisiblesentinel.com) or call our customer service team at 215-966-6118.

ITEM #	DESCRIPTION	SIZE
	<b>Veriflow® LS Complete Test System</b>	
IS1004	Includes: Veriflow® LS Mastermix Reagents, Veriflow® LS Cassettes, 1.5 ml Sample Boil Tubes, IS <i>Listeria</i> Broth (ISLB)	24 Tests
	<b>Invisible Sentinel Thermocycler</b>	
ISTC001	The pre-programmed IS Thermocycler provides rapid cycling times with a small footprint.	1 Unit
	<b>Veriflow® LS Assays</b>	
IS1009	Includes: Veriflow® LS Mastermix Reagents, Veriflow® LS Cassettes	24 Tests
IS0314	<b>IS <i>Listeria</i> Broth (ISLB) Large</b>	1 kg
IS0302	<b>IS <i>Listeria</i> Broth (ISLB) Small</b>	250 grams
IS0904	<b>Veriflow®/PCR Loading Tray</b>	1 Unit

