



## RapidChek® *Listeria* F.A.S.T.™

Fast. Accurate. Sensitive. Technology.

For the past 20 years, SDIX has created application-driven solutions to advance the safety of our food processing customers' products and operations. The latest development from our experience and expertise is the RapidChek *Listeria* F.A.S.T. test system. **Fast. Accurate. Sensitive. Technology.**

### FAST.

The RapidChek *Listeria* F.A.S.T. test system delivers results in 24 hours. There is no waiting for a 3.5 hour assay to complete. Results are achieved within 15 minutes after enrichment.

### ACCURATE.

The RapidChek method was evaluated for the detection of 50 strains of *Listeria* and 35 non-*Listeria* strains. All 50 *Listeria* strains were detected by the method (100% sensitivity). Only one out of the 35 non-*Listeria* strains tested resulted in a very light line positive result (97% specificity). In a side-by-side method comparison against the USDA FSIS 48-hr cultural method, RapidChek demonstrated equivalent performance.

### SENSITIVE.

The RapidChek *Listeria* F.A.S.T. test system detects all six species of *Listeria* for a complete solution for environmental monitoring programs. Missing a single species of *Listeria* in your environmental monitoring plan is denying yourself the knowledge of potential growth niches and possible contamination areas.

### TECHNOLOGY.

Our world-class detection device is based on advanced immunoassay technology that is used in several health-related diagnostics worldwide. SDIX, one of the largest and most trusted producers of antibodies in the U.S., produces antibodies that are exclusive to the RapidChek test systems. But this is only part of the story; the unique, proprietary media allows for better resuscitation of stressed or injured cells and better selectivity against non-target organisms both leading to overall faster and more accurate results.



### Features of RapidChek *Listeria* F.A.S.T.

- True 24-hour Results
- Superior Accuracy
- Easy-to-Use Detection Technology
- No Instrumentation Costs or Maintenance
- Unmatched Scalability
- Robust Validations for Various Environmental Surfaces

### RapidChek *Listeria* F.A.S.T.: How Does It Work?

The RapidChek *Listeria* F.A.S.T. technology couples a highly sensitive immuno-detection strip with a single proprietary enrichment media for fast and accurate *Listeria* species results within 24 hours without the need of costly, bulky, and complicated equipment. The SDIX immuno-detection strip employs a unique combination of SDIX manufactured anti-*Listeria* antibodies and a highly engineered colloidal gold conjugate coated on the surface of the membrane. Once the strip is added to the enriched sample, the sample moves up the test strip by capillary action. If *Listeria* is present in the sample, two lines will form.

This immuno-detection strip is used in conjunction with a single, proprietary media for a rapid 24-hour test with no supplements added to the media or transfers during enrichment. The powder media is mixed directly with de-ionized water, autoclaved, and can be stored refrigerated for up to two weeks. The proprietary media used within the F.A.S.T. system was designed to grow all six species of *Listeria* to detectable levels within minimal enrichment times. The SDIX media has also been formulated to inhibit the growth of competitive and cross reactive organisms to provide an optimal environment for resuscitation and fast growth of *Listeria* species.

After the 24-40 hour enrichment, the sample is transferred into a provided test tube and heated for 5 minutes. The immuno-detection strip is then added directly into the sample and within 10 minutes results are read. One line indicates a negative result and two lines indicate a positive result. The control line is built into the immuno-detection device so, as a user, you have confidence that the test has worked correctly. The test kits are stored at room temperature.

### Validated Applications

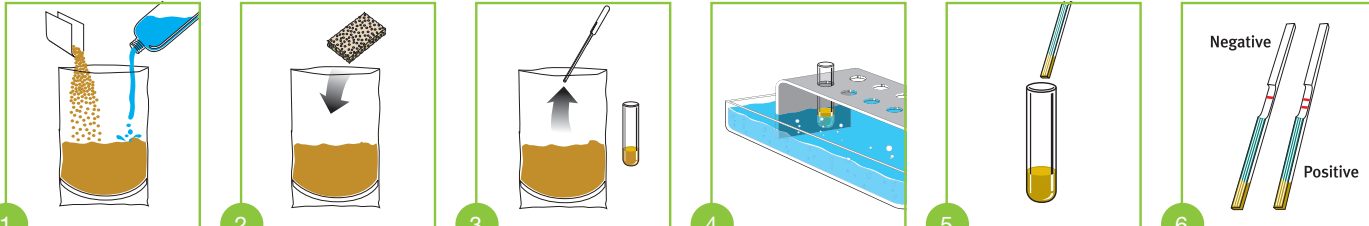
The RapidChek *Listeria* F.A.S.T. test system has been AOAC validated for use on various environmental surfaces such as stainless steel, painted concrete, rubber, and plastic.

**RapidChek®. Simply Accurate.**

# RAPIDCHEK® *LISTERIA* F.A.S.T.™

## Pathogen Screening Quick Reference

Read the User's Guide instructions completely before performing any test.



- 1 Rehydrate RapidChek media, autoclave and add to sterile bag/ container.
- 2 Place sample into bag. Incubate for 24-40 hours at 30°C.
- 3 After incubation, transfer 0.4 mL to a supplied test tube.
- 4 Heat for 5 minutes at 100°C. Remove from heat and cool to room temperature.
- 5 Insert test strip.
- 6 After 10 minutes, read result.  
1 line = negative  
2 lines = positive

### Ordering Information—RapidChek *Listeria* F.A.S.T.

ITEM	DESCRIPTION	PART NUMBER
Test Strips	45 Tests – Enrichment media not included	7000238
Media System	Enrichment Media: 500 g	7000235
Test System	135 Tests – Enrichment Media Included	7000233

**Also available:**

RapidChek® *E. coli* O157 (including H7), RapidChek® *Salmonella*, RapidChek® SELECT™ *Salmonella*, RapidChek® SELECT™ *Salmonella* Enteritidis and RapidChek® *Listeria* 40-hour Test



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