

RapidChek® SELECT™ *Salmonella*

Patented RapidChek® SELECT™ *Salmonella* is fast, accurate, simple and lowers the overall cost of testing.

RapidChek® SELECT™ *Salmonella* derives its exceptional specificity and sensitivity by combining proprietary technologies in both the enrichment media and detection device. In side by side evaluations, RapidChek® SELECT™ consistently outperformed competitive methods in delivering enhanced accuracy, in less time, with significantly less effort.

Benefits of RapidChek® SELECT™ *Salmonella*

This system was developed to deliver world-class performance while assuring customers the lowest total cost in use when all costs associated with testing are considered; labor, materials, training, equipment maintenance and time to result. RapidChek® SELECT™ delivers measurable Return on Investment (ROI) by:

- Reducing false positives
- Dramatically reducing sample preparation activities
- Providing accurate, actionable data faster – directly impacting production and CIP activities in the plant.
- Eliminating equipment expense
- Reducing confirmation expense
- Increasing training efficiency and efficacy

Advanced performance using phage as a selective agent

RapidChek® SELECT™ *Salmonella* delivers an enhanced level of testing performance thanks to a new technology that imparts method specificity and sensitivity in both enrichment and rapid detection.

Enrichment is a two-step process, utilizing a primary enrichment media base supplemented with phage and a secondary enrichment media



At the heart of the method is the patented application of phage as a selective agent, enhancing both the specificity and sensitivity of the overall method. Phage are bacterial viruses that attack cross-reactive bacteria preventing them from causing a false positive reaction (specificity). Phage also attack competitive bacteria, allowing for a media formulation that creates optimum conditions for rapid *Salmonella* growth (sensitivity). The sample is enriched in the primary enrichment media for 16-22 h at 42°C. After primary enrichment, a 0.1 mL aliquot is transferred to 1 mL of secondary enrichment media, which is further incubated for 16-22 hours (high burden foods) or 6-8 hours (low burden foods) at 42°C.

This patented media system is used in combination with a next generation RapidChek® SELECT™ lateral flow strip. It contains a proprietary panel of anti-*Salmonella* antibodies engineered to enhance the overall performance of the method. SDIX's antibody reagents have been tested against one of the industry's most complete panels of bacterial isolates. When the test strip is inserted into the enrichment, the sample moves up the strip by capillary action. After 10 minutes if *Salmonella* is present in the sample, a red line will form. One line indicates a negative result. Two lines indicate a positive result. A control line is built into the lateral flow strip so you know the test has worked correctly. The test kits may be stored at room temperature.

Applications

The RapidChek® SELECT™ *Salmonella* has been AOAC validated for use on deli meats, liquid eggs, raw chicken, carcass rinsates and ground beef. The method has been approved by NPIP and is included in Title 9 sec. 147.12.(B)(3) of the Federal Register.

Packaging

RapidChek® is available in kits of 50, 100 and 400 tests. All materials to perform the assay are included in the kit.

RapidChek®. Simply Accurate.

RAPIDCHEK® SELECT™ SALMONELLA

Pathogen Screening Quick Reference

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

- 1 Rehydrate RapidChek® SELECT™ *Salmonella* media with supplement and add to sterile bag.
- 2 Place sample in bag and incubate at 42° C for 16-22 hours.
- 3 After incubation, transfer 0.1 mL of aliquot to 1 mL of RapidChek® SELECT™ secondary enrichment media. Incubate at 42° C for 16-22 hours. (or 6-8 hours for low burden foods)
- 4 Add test strip to sample tube.
- 5 After 10 minutes, read result.
1 line = negative
2 lines = positive

Ordering Information–RapidChek® SELECT™ *Salmonella*

ITEM	DESCRIPTION	PART NUMBER
Food Test Kit	100 tests – Enrichment media included	7000190
Rinsate Test Kit	400 tests – Enrichment media included	7000195
Media System	Enrichment media: 500 grams – Primary, 10 grams – Secondary, 250 mL Supplement	7000196
Test strips	50 tests – Enrichment media not included	7000191

Also available:

RapidChek® *Salmonella*, RapidChek® *E. coli* O157, RapidChek® *Listeria*, RapidChek® *Listeria* F.A.S.T. and RapidChek® SELECT™ *Salmonella* Enteritidis



111 Pencader Drive
Newark, DE 19702 USA

P 302.456.6789

F 302.456.6782

T 800.544.8881 USA

www.sdix.com