RapidChek® SELECT™ for Salmonella

Patent pending RapidChek® SELECT™ is fast, accurate, simple and lowers the overall cost of testing.

**BENEFITS OF RAPIDCHEK® SELECT™ FOR SALMONELLA**
RapidChek® SELECT™ for Salmonella species was developed to deliver world class performance while assuring customers of the lowest cost in use when all costs associated with your testing program are considered; labor, materials, training, equipment maintenance, time to result, etc. RapidChek® SELECT™ delivers measurable Return on Investment (ROI) by:

- Reducing the number of 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

**YOU’VE GOT TO GROW IT FOR THE TEST TO SHOW IT**
RapidChek® SELECT™ for Salmonella species 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 the competitive method in delivering enhanced accuracy, in less time, with significantly less effort.

**SUPERIOR PERFORMANCE FROM RAPIDCHEK® SELECT™**
RapidChek® SELECT™ for Salmonella delivers an enhanced level of testing performance thanks to new technology that imparts method specificity and sensitivity in both the sample enrichment system and the rapid detection device.

Enrichment is only a two step process, utilizing a primary enrichment media base supplemented by a secondary enrichment media. The primary enrichment media base is a dehydrated powder, which is mixed directly with sterile water for immediate use. The base may be autoclaved and stored refrigerated for up to two weeks. The liquid supplement is added to the prepared base just prior to use.

At the heart of the method is the patent pending application of phage as a selective agent for Salmonella. Incorporated into the supplement formulation, phage enhances 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) in the assay. 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 16-24 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 16-24 h (high burden foods) or 6-8 h (low burden foods) at 42°C.

This patent pending media system is used in combination with a next generation RapidChek® SELECT™ lateral flow strip. The immunoassay device employs a proprietary panel of anti-Salmonella antibodies engineered to further enhance the overall performance of the method. Coupled with the SELECT™ enrichment system, SDI's antibody reagents are unparalleled in specificity and sensitivity to Salmonella species and have been tested against one of the industries most complete panels of bacterial isolates to assure that the results in your plant are always fast, accurate and reproducible. Inserting the test device into the enrichment causes the sample to moves up the test strip by capillary action. If Salmonella is present in the sample, a red line will form. The test strip is added directly to the sample tube. Wait just ten minutes for the results. One line indicates a negative result while 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 are stored at room temperature.

**APPLICATIONS**
The RapidChek® SELECT™ for 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 tests. All materials to perform the assay are included in the kit.
Pathogen Screening Quick Reference

Read the user’s guide instructions completely before performing any test.

1. Prepare RapidChek® SELECT™ Salmonella primary base media, add supplement; add media to sample in sterile bag

2. Incubate at 42°C for 18-24 hours.

3. After incubation, transfer 100ul of enriched sample to 1ml of RapidChek® SELECT™ secondary enrichment media. Incubate at 42°C for 16-24 hours. (or 6-8 hours for low burden foods)

4. After incubation, add test strip to sample tube and allow to develop for 10 minutes.

5. Read result.

Ordering Information—RapidChek® SELECT™ for Salmonella

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Food Test Kit</td>
<td>100 tests—Enrichment media included</td>
<td>70000190</td>
</tr>
<tr>
<td>Rinse Test Kit</td>
<td>400 tests—Enrichment media included</td>
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<tr>
<td>Media System</td>
<td>500 grams—Primary, 10 grams Secondary Enrichment media</td>
<td>70000196</td>
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<tr>
<td>Test strips</td>
<td>50 tests—Enrichment media not included</td>
<td>70000191</td>
</tr>
</tbody>
</table>

Also available:
RapidChek® for E. coli O157, RapidChek® for Salmonella, RapidChek® for Listeria and SDI-LIB for Listeria

Contact us: Phone: 1-800-544-8881
email: sales@sdix.com

Strategic Diagnostics Inc.
111 Pencader Drive
Newark, DE 19702 USA
Voice: 302-456-6789
Fax: 302-456-6782
Toll Free USA: 800-544-8881

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