Quick Guide

Food Pathogens

RapidChek® CONFIRM™ Salmonella Enteritidis IMS

Confirmation protocol for persumptive positive environmental drag swab samples

RapidChek® SELECT™ *Salmonella* Enteritidis Confirmation Kit, 10001401

Test Kit Includes:

- RapidChek® SELECT™ *Salmonella* Enteritidis Test System – Part Number 10001398
- 5 mL Immunomagnetic Bead Solution
- 1 Packet PBS-T
- 100 Sample Tubes
- Package Insert

Kit for the presumptive detection and confirmation of SE from environmental drag swab samples. Test kit contains materials for 250 environmental tests and confirmation materials for 100 presumptive positive drag swab samples.

Also Available:

- RapidChek® SELECT™ *Salmonella* Enteritidis
- RapidChek® SELECT™ *Salmonella*
- RapidChek® *Listeria*
- RapidChek® *Listeria* NextDay™
- RapidChek® *E. coli* O157 (including H7)
- RapidChek® CONFIRM™ non-O157 STEC IMS

Romer Labs®
Making the World's Food Safer

RapidChek® CONFIRM™ *Salmonella* Enteritidis IMS

Food Pathogens

1

Prepare IMS reagent
Re-suspend the working stock of IMS beads by repeated inversion of the vial.

2

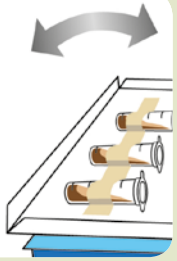
Transfer secondary enrichment
Transfer 1 mL of the presumptive positive secondary enrichment to a provided 2 mL sample tube.

3

Transfer IMS reagent
Transfer 0.05 mL of the IMS beads to the secondary enrichments in the tubes. Vortex briefly to mix.

4

Incubate the sample
Incubate the samples at room temperature with rocking for 15 minutes.



5

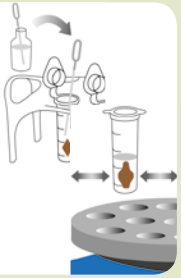
Concentrate the sample
Place the sample tubes onto the magnetic separation rack for 5 minutes.

6

Remove unbound material
Using a pipette, remove the liquid from the sample tube being careful not to touch the IMS beads on the side of the tube closest to the magnetic source.

7

Second wash
Remove the sample tubes from the magnetic rack. Add 1 mL of PBS-T (Wash Buffer) to the sample tubes. Vortex briefly to mix and re-suspend the IMS beads.



8

Second concentration
Place the sample tube back on the magnetic rack for 5 minutes.

9

Remove unbound material
Using a pipette, remove the liquid from the sample tube being careful not to touch the IMS beads on the side of the tube closest to the magnetic source. Repeat steps 7 – 9 for a total of 5 washes.

10

Reconstitute washed sample
After the final wash step, reconstitute the sample with 1 mL of Wash Buffer and vortex briefly to mix.

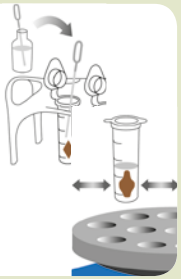


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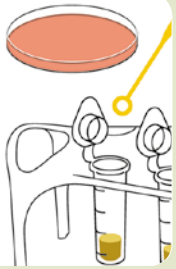
Plate Concentrated Sample
Streak selective agar plates (XLT4 and BGN) with a 10 µL loop of the concentrated sample. Proceed to the confirmation protocol as listed in the FDA Bacteriological Analytical Manual (BAM) Chapter 5 *Salmonella* method for the detection of *Salmonella* Enteritidis in environmental samples. http://www.fda.gov/Food/FoodScienceResearch/LaboratoryMethods/ucm070149.htm



Storage of reagents

Store all reagents at 2 – 8 °C.
Do not freeze.

PBS-T wash buffer preparation

Dissolve the contents of the Phosphate-Buffered Saline, 0.05 % Tween 20 (PBS-T) Packet in 1 L of deionized water. Filter sterilize using a 0.2 µm filter. Store at 2 – 8 °C for up to 3 months.

Alternatively, use 1 L sterile water to re-hydrate the PBS-T packet. This solution should also be stored at 2 – 8 °C for up to 3 months.
Note: When following the alternative procedure, ensure the re-hydrated PBS-T is free of particles each time it is removed from 2 – 8 °C for use. If the media contains particles, discard and make a fresh solution.

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