Time is on your side.

3M™ Petrifilm™ Salmonella Express System
Easier detection. Faster confirmation.

3M™ Petrifilm™ Salmonella Express System

Holding up the process while waiting for results? Not on your watch. Get the information you need to make informed decisions with the 3M Petrifilm Salmonella Express System. This easy-to-use method provides qualitative detection and biochemical confirmation of Salmonella in enriched food and food process environmental samples. It boosts productivity with biochemical confirmation in as little as 40 hours — up to two times faster than traditional agar methods — and no special equipment needed.
This time-saving system includes:

- **3M™ Salmonella Enrichment Base and 3M™ Salmonella Enrichment Supplement** — A unique medium for recovery and growth of Salmonella species.

- **3M™ Petrifilm™ Salmonella Express Plate** — A sample-ready, chromogenic culture medium that is selective and differential for Salmonella and provides a presumptive result.

- **3M™ Petrifilm™ Salmonella Express Confirmation Disk** — Contains a biochemical substrate that facilitates the biochemical confirmation of Salmonella species.
Revolutionize your lab.

Pathogen testing — faster, simpler, all-in-one

Experience the efficiency of the first and only 3M™ Petrifilm™ Plate for *Salmonella* detection in food and food process environmental samples. This 3M technology changed the food safety category — and it can help you streamline, standardize and simplify your pathogen testing process. With accurate data, faster time-to-results and improved productivity, you can be confident in the knowledge that you’re protecting consumers and boosting your lab’s performance.

In-house biochemical confirmation
One test confirms multiple presumptive positive colonies on a single plate, right in your lab. No need to pick and transfer colonies to other agar plates or send them to a reference lab for biochemical confirmation.

Greater consistency
Agar can vary in preparation. 3M’s standardized formula improves consistency across technicians, shifts and plants — worldwide.

More efficient
Save time with sample-ready plates that are easy to use and have a significantly longer shelf life than agar.
Committed to excellence.

The 3M™ Petrifilm™ Salmonella Express System has been evaluated against defined requirements using scientific rigor to achieve AOAC® Performance Tested™ (Certificate #061301) and AOAC® Official Method of Analysis™ (#2014.01).
Biochemically confirmed results

**Traditional agar method:**

1. **Combine**
   - Combine sample and enrichment medium.
   - Incubate 24 ± 2 hrs @ 35°C.

2. **Transfer**
   - Transfer enriched sample into Tetrathionate (TT) and R-V.
   - Incubate R-V 24 ± 2 hrs @ 42°C ± 0.2°C,
   - incubate TT 24 ± 2 hrs @ 43° ± 0.2°C.

3. **Streak & Read**
   - Streak each selective broth onto selective agar plates (HE, BS, XLD).
   - Incubate 22-50 hrs @ 35°C.
   - Read plates.

4. **Transfer & Read**
   - Transfer presumptive positive colonies onto TSI and LIA slants.
   - Incubate 24 ± 2 hrs @ 35°C.
   - Then transfer presumptive colonies onto further biochemical and serological tests for confirmation.

**Total time to biochemical confirmation:**

66-88 Hours
up to 2X faster than most traditional methods.

**3M™ Petrifilm™ Salmonella Express System:**

- **Combine**
  - Combine sample and 3M™ Salmonella Enrichment Base plus 3M™ Salmonella Enrichment Supplement medium. Incubate 18-24 hrs @ 41.5°C.

- **Transfer**
  - Transfer enriched sample into R-V R10. Incubate 8-24 hrs @ 41.5°C. *(Skip this step for low background flora, processed foods.)*

- **Hydrate & Read**
  - Hydrate plate, transfer sample and streak onto gel. Incubate for 24 ± 2 hrs @ 41.5°C. Then read plate. Circle presumptive positives on top film.

- **Confirm**
  - Biochemically confirm results: Add confirmation disk to plate and incubate 4-5 hrs @ 41.5°C.

**Total time to biochemical confirmation:**

**40-44 Hours**  
Low background, processed foods.

**48-52 Hours**  
High background, unprocessed foods.
Global experience. Local support.

Protecting the world’s food supply is a big responsibility — but you don’t have to do it alone. Our people support you locally by providing technical expertise and exceptional service. It’s our job to help you protect your brand, mitigate risk and improve operations.

To learn more about how the 3M™ Petrifilm™ Salmonella Express System can help get time on your side, visit 3M.com/3MPathogenSolutions/SALX or call 1-800-328-6553.