



**Providing solutions
to protect our food.**

Make critical decisions with our pathogen testing solutions

Neogen® utilizes the finest technology to provide pathogen testing with high sensitivity that can drastically reduce your time-to-result. Our simple-to-use solutions provide accuracy and reliability, while our unmatched customer service and microbiology experience ensure that you have the confidence and support needed to monitor and control pathogen presence.

~2 hours*

**Neogen *Listeria*
Right Now™**

10–30 hours**

**Neogen Molecular Detection
System™**

37–46 hours**

**Neogen One Broth
One Plate**

12–44 hours**

**Neogen Reveal® Pathogen
Tests**

40–52 hours**

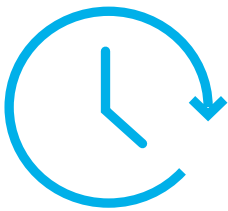
**Neogen Petrifilm®
SalX System**

**Depending on the number of samples*

***Depending on the target and/or matrix.*

Our new Neogen Molecular Detection Assay — *Listeria* Right Now

Introducing a new test that delivers rapid results, no enrichment step required. Optimize your workflow with faster, simpler testing by incorporating *Listeria* Right Now into your environmental monitoring program. Now, you can complete testing, read results, reclean and sanitize, and retest all in the same shift, while receiving actionable results in about two hours from the standard 24–48 hours.



~2 hours

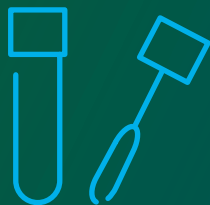
From sample
to result

Rapid. Reliable. Right Now.

- The time to result is about 2 hours for 96 samples, but faster result times may apply for fewer samples
- AOAC® *Performance Tested Method*™ certified (Certification No. 042604)
- Same trusted sensitivity. Can detect 2–5 CFUs per sampler
- Robust Performance. Detection where it counts. Collect samples on a range of surfaces, like sealed concrete, stainless steel, and plastic
- Tolerant to a range of sanitizers: chlorine-based, peroxyacetic acid, high acid cleaners, and quaternary ammonium
- Unique sampler. Designed for small, hard to reach, and large surface areas up to 12" x 12"
- Ability to run with other MDA qualitative assays



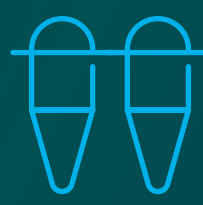
Streamlined Workflow



Collect Sample



Lyse



Transfer Lysate
*to ready-to-use
reagent tubes*



Detect

Neogen Molecular Detection System

Choose an efficient and easy-to-use method for pathogen detection. Built on LAMP technology, MDS offers a single post-enrichment protocol for all our qualitative pathogen kits with ready-to-use reagents and same- or next-day results.

Efficient and Easy-to-use Method for Pathogen Detection



10–30 hours

Depending on the target and/or matrix

Fast

Next-day results for most food matrices

Accurate

- LAMP DNA amplification provides high sensitivity and specificity
- Robust against common food inhibitors of DNA amplification reactions

Reliable

Validated by international organizations

- NF VALIDATION by AFNOR Certification
- MicroVal® Certification
- AOAC® Official Methods of AnalysisSM
- AOAC® Performance Tested MethodsSM



Amplification results in as early as 15 mins



One post-enrichment protocol for MDA2 qualitative kits



Only two pipetting steps: one to lyse the enriched sample and one to prepare the DNA amplification reaction

How it works

Our Molecular Detection System™ is a robust and reliable system providing speed and simplicity for pathogen testing. We offer a single post-enrichment protocol for all MDA2 qualitative pathogen kits with ready-to-use reagents and same- or next-day results. You can even test multiple pathogens simultaneously, helping you save time and gain efficiencies.

01

An optimized enrichment protocol that will allow the growth and recovery of a target pathogen.



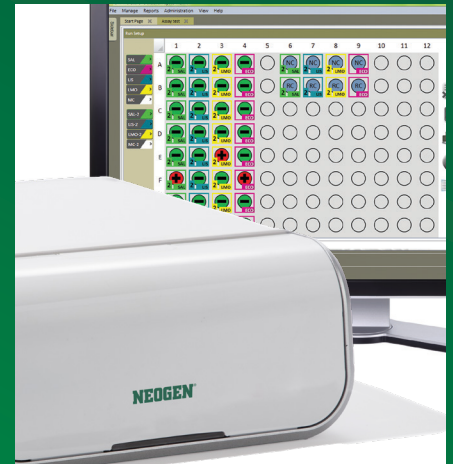
02

Specific Molecular Detection Assays which provide all elements for sample preparation and DNA detection.



03

The Molecular Detection Instrument delivers fast, reliable DNA amplification and detection, while the software delivers color-coded, easy-to-read results.



Reagent tubes are color-coded by organism for easy identification:



Available Assays

Salmonella, *Salmonella* SE/ST, Quantitative *Salmonella*, *Listeria* spp., *Listeria monocytogenes*, *E. coli* O157 (Including H7), *Campylobacter*, *Cronobacter*, STEC (*stx*), and STEC (*stx* and *eae*) gene screen

Each assay contains the two main components:

Ready-to-Use Reagent Tubes

- Single post-enrichment assay protocol helps improve productivity
- Qualitative MDA2 tests detects 1-5 CFU of targeted pathogen per test portion.
- Quantitative *Salmonella* MDA2QSAL test detect 1 CFU/mL or 1 CFU/g per test portion.

Ready-to-Use Lysis Solution

- Advanced chemistry based on nanotechnology
- Color-change process control for increased confidence in lysis step

Neogen One Broth One Plate

One Broth One Plate (OBOP) is an innovative workflow solution for detecting pathogens in food and environmental samples, using just one enrichment broth and one agar plate. It is ideal for laboratories looking to reduce time-to-result compared to standard methods, while still maintaining classical microbiology.

No special equipment needed

- Cost-effective solution vs. ELISA and Standard Methods: specific tests include *Salmonella*, *Listeria* spp, and *Listeria monocytogenes*
- Direct and easy confirmation and serotyping from an isolated colony
- One unique protocol giving presumptive *Salmonella* result from 37 hours
- More sensitive than standard method

Validated Methods

- **One Broth One Plate for *Listeria* (OBOP-L).** A rapid test for the detection of *Listeria* spp., validated under NF Validation NEO35/05-07/16, and *Listeria monocytogenes*, validated under NF Validation NEO35/06-07/16.
- **One Broth One Plate for *Salmonella* (OBOP-S)** A rapid test for the detection of *Salmonella* spp. AOAC PTM Certificate # 102002. MicroVal Certification 2019LR88



37–46 hours Depending on the target

Results can be recorded in less than 48 hours for fast, accurate results.



2 formats

- Ready-to-use (RTU) media (Bags/MicroPrep bags and Plates)
- Dehydrated culture media



2 available targets

- *Listeria* spp and *Listeria monocytogenes*
- *Salmonella*

Neogen Reveal® Test Kits

Our Reveal tests offer flexible pathogen testing with accurate qualitative results using antibody-based lateral flow strips. The easy-to-use, easy-to-interpret lateral flow strips allow for microbial detection and offer scalability when it comes to sample throughput. Reveal is a great fit for those looking for a quick and easy test to screen for pathogen presence.



Minimal hands-on time to prepare sample. Specific tests: *Salmonella* (Group A to E), *Listeria* spp and *E. coli* O157:H7



27–30-hour enrichment protocols for food (375g) and environmental samples



Irradiated media for easy preparation



Neogen Petrifilm® *Salmonella* Express System

Get the information you need to make informed decisions with our Petrifilm *Salmonella* Express System. This easy-to-use method provides qualitative detection and biochemical confirmation of *Salmonella* in processed food and environmental samples.



Easy qualitative detection

- Petrifilm™ AOAC validated technology
 - AOAC OMA 2014.01
 - AOAC PTM 061301
- Fast biochemical confirmation
- Biochemically confirmed positive *Salmonella* result within 44–52 hours
- Selective enrichment media



We are here to support you

Neogen offers global support for pathogen detection



Method Trial

- Technical sales support
- Educational materials (by segment, technology, assay type)
- Demonstration or initial evaluation



Method Application

- Matrix Qualification Program*
- Studies and publications
- Integration into lab workflow
- Training and implementation



Routine Use

- Product availability
- Results interpretation
- Technical inquiries or challenges
- General pathogen/food safety guidance



Hardware and Software

- Software updates
- Service and calibration
- LIMS integration via export options
- Database management
- Automation

* Contact your local Neogen representative for more information.

Neogen Corporation, 620 Lesher Place, Lansing, MI 48912 USA.

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