



Providing solutions to protect our food.

Introducing Neogen's expanded portfolio
for pathogen detection.

Make critical decisions with our pathogen testing solutions

Neogen® utilizes the finest technology to provide pathogen testing with industry-leading 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.



<1 hour

**Neogen ANSR® *Listeria*
Right Now**

10–32 hours*

**Neogen Molecular
Detection System**

37–46 hours*

**Neogen One Broth
One Plate**

12–44 hours**

**Neogen Reveal®
Pathogen Tests**

**Depending on the target*

***Depending on the matrix*

Neogen ANSR[®] *Listeria* Right Now

ANSR *Listeria* Right Now™ is our revolutionary environmental test for *Listeria* spp., which requires no enrichment and provides results in less than 60 minutes. Utilizing the molecular detection technology of the ANSR platform, the *Listeria* Right Now kit can also detect 2 CFU per swab, providing sensitive results without pathogen enrichment at an incredible speed. AOAC Research Institute Performance Tested Method, Certificate #081802.



**< 60
minutes**

Shortest Time To Result (TTR) on the market for environmental testing (<1h) without enrichment.

Less than a 60-minute total time-to-result means you can:

- Use *Listeria* monitoring as a process control
- Find a potential problem quickly
- Increase reactivity by conducting investigation during crisis
- Perform vectoring easily
- Be more flexible and proactive with your environmental testing program



How it works in less than an hour

The ANSR *Listeria* Right Now System utilizes molecular detection technology to target RNA. Because RNA is more abundant than the traditional DNA target, the system generates more amplicons and accelerates cycle time, producing faster results than other platforms on the market.

01

No enrichment with an easy-to-use system means you can conduct detection of *Listeria* spp in the environment without growing pathogens.

02

Each assay kit includes:

- 96 reaction tubes with internal positive control
- 96 environmental sampling swabs
- All necessary components

03

The System utilises:

- 16-well, isothermal amplification instrument
- ANSR Software
- 2 heater blocks
- Vortex mixer

Neogen Molecular Detection System

Choose an efficient and easy-to-use method for pathogen detection. We offer a single post-enrichment protocol for all our 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.

Efficient and Easy-to-use Method for Pathogen Detection



Fast

Next-day results for most food matrices.

10–32 hours
Depending on the target

Accurate

- LAMP DNA amplification provides high sensitivity and specificity.
- Robust method to common food inhibitors of DNA amplification reactions

Reliable

- Validated by international organizations
- NF VALIDATION by AFNOR Certification
- AOAC® Official Methods of Analysis™
- AOAC® Performance Tested Methods™



Amplification results in as early as 15 mins, depending on the test.



One post-enrichment protocol for all pathogen 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 our 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 for amplifying the DNA and the software to detect DNA amplification.



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



MDA 2 - *Salmonella*



MDA 2 - *E. coli* O157 (including H7)



MDA 2 - *Listeria*



MDA 2 - *Listeria monocytogenes*



MDA 2 - *Cronobacter*



MDA 2 - *Campylobacter*



MDA 2 - STEC (stx) Gene Screen



MDA 2 - STEC (stx and eae) Gene Screen

Available Assays

Salmonella, *Listeria* spp., *Listeria monocytogenes*, *E. coli* O157 (Including H7), *Campylobacter*, *Cronobacter*, STEC, 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
- Detects 1-5 CFU of target pathogen per original sample

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 – AOAC and ISO 16140 Validation

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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*

*Country specific

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), Salmonella Group D1, Listeria spp and E. coli O157:H7



27-46 hour enrichment protocols for food (375g) and environmental samples



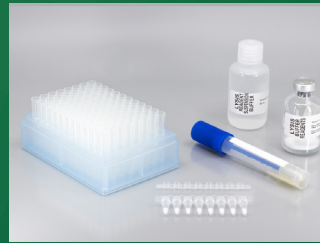
Irradiated media for easy preparation





We are here to support you

Neogen Offers Global Support for Pathogen Detection



Method Trial

- Technical sales support
- Education materials (by segment, competitive tech, assay type)
- Demonstration or initial evaluation

Method Application

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

Routine Use

- Product availability
- Results interpretation
- Technical concerns
- General pathogen/food safety issues

Hardware and Software

- Software updates
- Service and calibration
- LIMS integration
- Database management
- Automation

* Contact your local Neogen representative for more information.