

Speed and Simplicity

Next-Day Qualitative Pathogen Testing

Neogen® Molecular Detection System™



Neogen Molecular Detection Assays 2 (MDA 2)

Each assay contains two main components:

Ready-To-Use Reagent Tubes

- Single post-enrichment protocol streamlines training and can reduce errors
- Detects 1-5 CFU of target pathogen per original sample
- All assays either have ISO 16140-2 or AOAC PTM approvals

Ready-To-Use Lysis Solution

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

User-Friendly Software

- Intuitive user interface for quick and easy setup
- All assays can be run simultaneously for optimal efficiency
- Real-time results help make critical decisions faster

Compact Instrument

- Space-saving design fits in any lab
- Flexibility to test up to 96 samples in each run
- Neogen provides global service with local support

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



Salmonella



Salmonella Enteritidis



Salmonella Typhimurium



E. coli O157 (including H7)



STEC Gene Screen (stx and eae)



Listeria spp.



Listeria monocytogenes



Cronobacter



Campylobacter

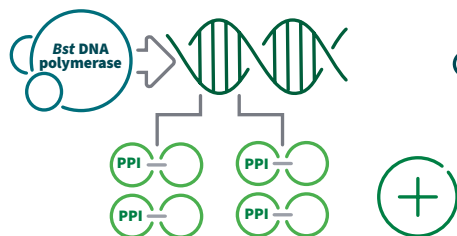


STEC Gene Screen (stx)

How it works

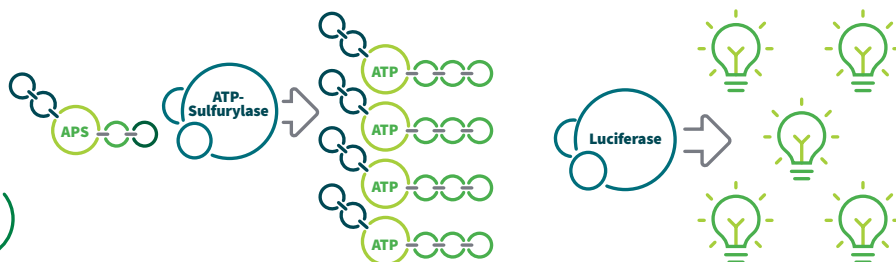
Neogen uses advanced technologies, Isothermal Nucleic Acid Amplification and Bioluminescence Detection, to bring you the next generation of Molecular Detection Assays for an accurate, reliable molecular solution with increased productivity. Allowing you to make critical decisions faster, streamline your process and protect your business, and your bottom line.

Isothermal DNA Amplification



Loop-mediated isothermal amplification (LAMP) is driven by robust *Bst* DNA polymerase, using six different primers for high specificity.

Bioluminescence Detection



Exponential generation of Pyrophosphate (PPI) is converted to Adenosine Triphosphate (ATP) by ATP-Sulfurylase.

Luciferase uses ATP to generate light, providing real-time detection in as little as 15 minutes.

Ordering Information

Cat. No.	Description	Quantity	SKU
MDA2SAL96	Neogen® Molecular Detection Assay 2 – <i>Salmonella</i>	96 Tests/Kit	700002157
MDA2SEST48	Neogen® Molecular Detection Assay 2 – <i>Salmonella</i> Enteritidis/Typhimurium	48 Tests/Kit	700006585
MDA2LIS96	Neogen® Molecular Detection Assay 2 – <i>Listeria</i>	96 Tests/Kit	700002150
MDA2LMO96	Neogen® Molecular Detection Assay 2 – <i>Listeria monocytogenes</i>	96 Tests/Kit	700002149
MDA2ECO96	Neogen® Molecular Detection Assay 2 – <i>E. coli</i> O157 (including H7)	96 Tests/Kit	700002229
MDA2CRO96	Neogen® Molecular Detection Assay 2 – <i>Cronobacter</i>	96 Tests/Kit	700002257
MDA2CAM96	Neogen® Molecular Detection Assay 2 – <i>Campylobacter</i>	96 Tests/Kit	700002283
MDA2STX96	Neogen® Molecular Detection Assay 2 – STEC Gene Screen (<i>stx</i>)	96 Tests/Kit	700002333
MDA2STXEAE48	Neogen® Molecular Detection Assay 2 – STEC Gene Screen (<i>stx</i> and <i>eae</i>)	48 Tests/Kit	700002334
MDMC96	Neogen® Molecular Detection Matrix Control	96 Tests/Kit	700002079

Learn more at: info.neogen.com/MDS

