



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 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

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 color-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

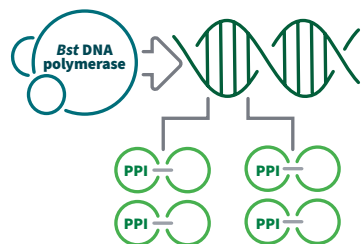


STEC Gene Screen (*stx*)

How it works

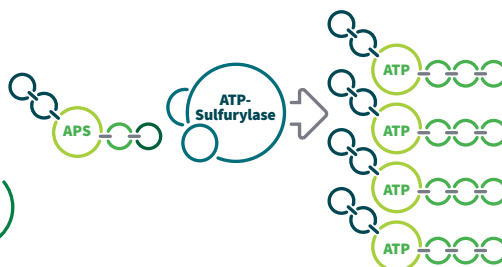
Neogen uses advanced technologies, Isothermal DNA Amplification and Bioluminescence Detection, to bring you the next generation of Molecular Detection Assays for an accurate, reliable molecular solution with increased productivity. Allowing you to make critical decisions faster, streamline your process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

Isothermal DNA Amplification

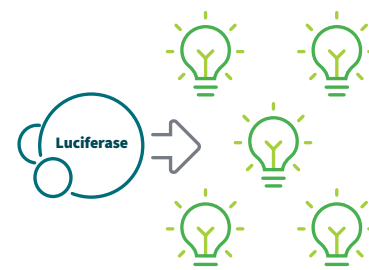


Loop-mediated isothermal amplification (LAMP) is driven by robust *Bst* DNA polymerase, using six different primers for high specificity.

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 Enteritidis/Typhimurium</i>	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
CE250	Neogen® <i>Campylobacter</i> Enrichment Broth 250 g	1/Bottle	700002285
BPW500	Neogen® Buffered Peptone Water (ISO) 500 g	1/Bottle	700002269
BPW025	Neogen® Buffered Peptone Water (ISO) 2.5 kg	1/Bottle	700002268
BPW010	Neogen® Buffered Peptone Water (ISO) 10 kg	1/Bottle	700002266
QEBPW1225F	Neogen® Enrichment Pouch, Buffered Peptone Water (ISO) with Filter 225 mL	32/Case	700002156
QEBPWIS225	Neogen® Enrichment Pouch, Buffered Peptone Water (ISO) without Filter 225 mL	32/Case	700002254
BP0118500	Neogen® Demi Fraser Broth Base 500 g	1/Bottle	700002158
BP0118005	Neogen® Demi Fraser Broth Base 2.5 kg	1/Bottle	700002160
BP0220010	Neogen® Fraser Broth Supplement 10 mL	10/Case	700002053
SSL10LET	Neogen® Sponge Stick with Letheen 10mL	100/Case	700002109
ESS10WSN	Neogen® Environmental Scrub Sampler Stick with Wide Spectrum Neutralizer 10 mL	100/Case	700002338
HES10WSN2G	Neogen® Environmental Scrub Sampler with Wide Spectrum Neutralizer and Gloves 10 mL	100/Case	700002337
ENVSWB100	Neogen® Enviro Swab	100/Case	700002282

Learn more at: info.neogen.com/MDS



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

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