

# Speed and simplicity for 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 teams

### Reagent tubes are color-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*



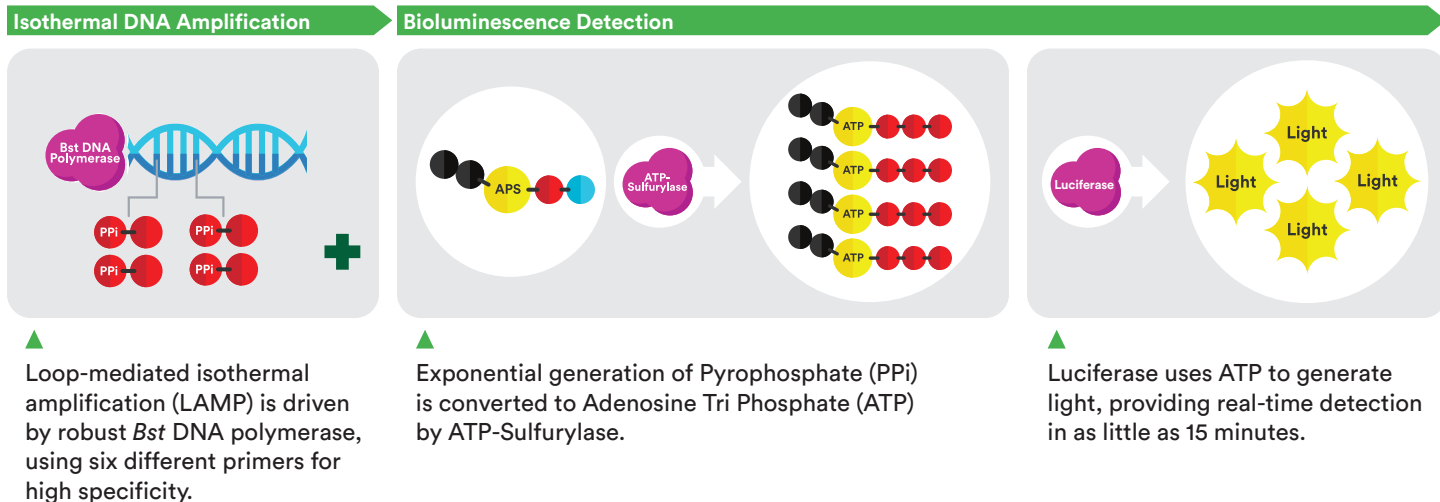
MDA 2 - STEC Gene Screen (*stx*)



MDA 2 - STEC Gene Screen (*stx* and *eae*)

## 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.



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

▲ Exponential generation of Pyrophosphate (PPI) is converted to Adenosine Tri Phosphate (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	Size	Contents
MDA2SAL96	Molecular Detection Assay 2 – <i>Salmonella</i>	96 Tests/Kit	1
MDA2LIS96	Molecular Detection Assay 2 – <i>Listeria</i>	96 Tests/Kit	1
MDA2LMO96	Molecular Detection Assay 2 – <i>Listeria monocytogenes</i>	96 Tests/Kit	1
MDA2ECO96	Molecular Detection Assay 2 – <i>E. coli</i> O157 (including H7)	96 Tests/Kit	1
MDA2CRO96	Molecular Detection Assay 2 – <i>Cronobacter</i>	96 Tests/Kit	1
MDA2CAM96	Molecular Detection Assay 2 – <i>Campylobacter</i>	96 Tests/Kit	1
MDA2STX96	Molecular Detection Assay 2 – STEC Gene Screen ( <i>stx</i> )	96 Tests/Kit	1
MDA2STXEAE48	Molecular Detection Assay 2 – STEC Gene Screen ( <i>stx</i> and <i>eae</i> )	48 Tests/Kit	1
CE250	Campylobacter Enrichment Broth	250g Bottle	1
MDMC96	Molecular Detection Matrix Control	96 Tests/Kit	1
BPW500	Buffered Peptone Water (ISO)	500 g	1
BPW025	Buffered Peptone Water (ISO)	2.5 kg	1
BPW010	Buffered Peptone Water (ISO)	10 kg	1
QEBPWIS225	Enrichment Pouch, Buffered Peptone Water (ISO)	225 mL	32
QEBPWI225F	Enrichment Pouch, Buffered Peptone Water (ISO) with Filter	225 mL	32
BP0118500	Demi Fraser Broth Base	500 g Bottle	1
BP0118005	Demi Fraser Broth Base	2.5 kg Bottle	1
BP0220010	Fraser Broth Supplement	10 mL	10
BP0210500	Fraser Broth Base	500 g Bottle	1
BP0210005	Fraser Broth Base	2.5 kg Bottle	1
HS10DE2G	Hydrated-Sponge, D/E Neutralizing Buffer, 2 gloves	10 mL	100
SSL10DE	Sponge-Stick, D/E Neutralizing Broth	10 mL	100
ESS10WSN	Environmental Scrub Sampler Stick with 10 mL Wide Spectrum Neutralizer	—	100/case
HES10WSN2G	Environmental Scrub Sampler with 10 mL Wide Spectrum Neutralizer and Gloves	—	100/case
ENVS WB25	Enviro Swab	—	25
6469	Printable Blender Bags with Filter, 6.75" x 12"	55 oz., 3 mil	200

Learn more at: [info.neogen.com/MDS](http://info.neogen.com/MDS)



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