

Advanced technology. Simplified.

Introducing the next generation of 3M™ Molecular Detection Assays:

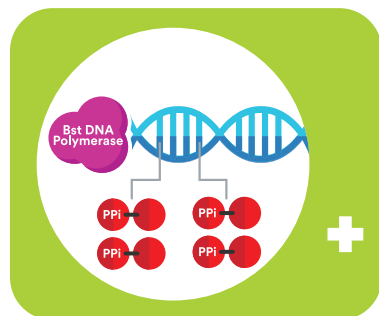
- 3M™ Molecular Detection Assay 2 — *Salmonella*
- 3M™ Molecular Detection Assay 2 — *Listeria*
- 3M™ Molecular Detection Assay 2 — *Listeria monocytogenes*
- 3M™ Molecular Detection Assay 2 — *E. coli* O157 (including H7)
- 3M™ Molecular Detection Assay 2 — *Cronobacter*
- 3M™ Molecular Detection Assay 2 — *Campylobacter*
- 3M™ Molecular Detection Assay 2 — STEC Gene Screen (*stx*)
- 3M™ Molecular Detection Assay 2 — STEC Gene Screen (*stx* and *eae*)

- ▶ New chemistry using 3M nanotechnology
- ▶ Same-day/Next-day results
- ▶ One protocol — now 30% faster

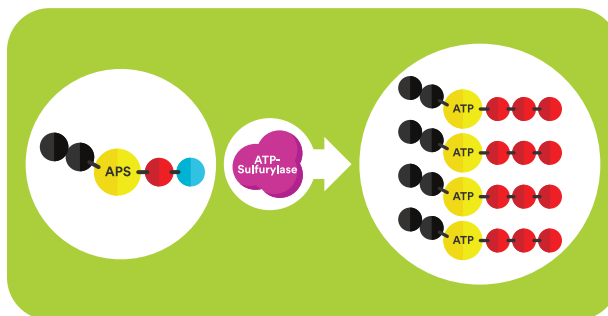
How it works.

3M uses advanced technologies — Isothermal DNA Amplification and Bioluminescence Detection — to bring you the next generation of 3M™ 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.

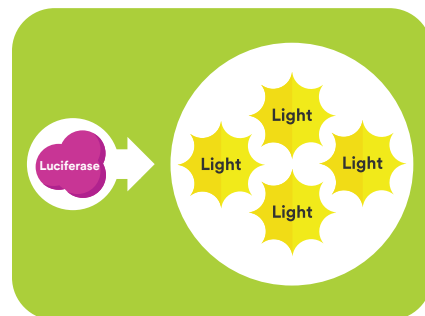
Isothermal DNA Amplification → Bioluminescence Detection



▲ 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.



New chemistry. Streamlined workflow. Better results.



- ▶ Lysis solution uses new chemistry based on 3M nanotechnology
- ▶ Streamlined workflow reduces technician time by 30%
- ▶ Color-change process control for increased confidence



- ▶ 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



- ▶ Advanced isothermal technology overcomes limitations of older PCR and antibody-based systems
- ▶ Detects 1–5 CFU of target pathogen per sample
- ▶ Single assay protocol for improved productivity
- ▶ Reagent tubes are color-coded by organism type



- ▶ Compact instrument fits in any lab
- ▶ Flexibility to test up to 96 samples in each run
- ▶ 3M provides global service with local support teams

Ordering Information

Catalog Number	Description	Size	Quantity
MDA2SAL96	3M™ Molecular Detection Assay 2 — <i>Salmonella</i>	96 Tests/Kit	1
MDA2LIS96	3M™ Molecular Detection Assay 2 — <i>Listeria</i>	96 Tests/Kit	1
MDA2LMO96	3M™ Molecular Detection Assay 2 — <i>Listeria monocytogenes</i>	96 Tests/Kit	1
MDA2ECO96	3M™ Molecular Detection Assay 2 — <i>E. coli</i> O157 (including H7)	96 Tests/Kit	1
MDA2CRO96	3M™ Molecular Detection Assay 2 — <i>Cronobacter</i>	96 Tests/Kit	1
MDA2CAM96	3M™ Molecular Detection Assay 2 — <i>Campylobacter</i>	96 Tests/Kit	1
MDA2STX96	3M™ Molecular Detection Assay 2 — STEC Gene Screen (<i>stx</i>)	96 Tests/Kit	1
MDA2STXEAE48	3M™ Molecular Detection Assay 2 — STEC Gene Screen (<i>stx</i> and <i>eae</i>)	48 Tests/Kit	1
CE250	3M™ <i>Campylobacter</i> Enrichment Broth	250g Bottle	1
MDMC96	3M™ Molecular Detection Matrix Control	96 Tests/Kit	1
BPW500	3M™ Buffered Peptone Water (ISO)	500 g	1
BPW025	3M™ Buffered Peptone Water (ISO)	2.5 kg	1
BPW010	3M™ Buffered Peptone Water (ISO)	10 kg	1
QEBPWIS225	3M™ Enrichment Pouch, Buffered Peptone Water (ISO)	225 mL	32
QEBPWI225F	3M™ Enrichment Pouch, Buffered Peptone Water (ISO) with Filter	225 mL	32
BP0118500	3M™ Demi Fraser Broth Base	500 g Bottle	1
BP0118005	3M™ Demi Fraser Broth Base	2.5 kg Bottle	1
BP0220010	3M™ Fraser Broth Supplement	10 mL	10
BP0210500	3M™ Fraser Broth Base	500 g Bottle	1
BP0210005	3M™ Fraser Broth Base	2.5 kg Bottle	1
HS10DE2G	3M™ Hydrated-Sponge, D/E Neutralizing Buffer, 2 gloves	10 mL	100
SSL10DE	3M™ Sponge-Stick, D/E Neutralizing Broth	10 mL	100
ENVSWB25	3M™ Enviro Swab	—	25
6469	3M™ Printable Blender Bags with Filter, 6.75" x 12"	55 oz., 3 mil	200



Learn more at [3M.com/foodsafety/MDA2](https://www.3m.com/foodsafety/MDA2)

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