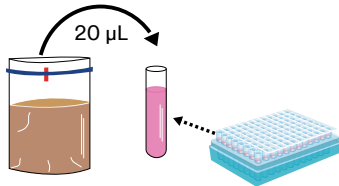




- 1 Invert the capped Lysis Solution (LS) tubes to mix.

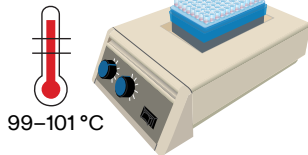


- 2 De-cap lysis tube strip and discard rubber cap.
Do not re-cap the LS tubes.
Transfer 20 µL sample to individual LS tube.
If lysate will be retained for re-test, place caps into a clean container for later use.



Liquid will be pink.

00:15:00

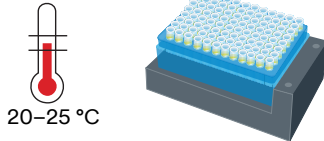


- 3 Heat uncovered LS tube rack on heating block at 100 °C (±1 °C) for 15 minutes.
Do not re-cover the LS tube rack.



Liquid will be yellow during heating.

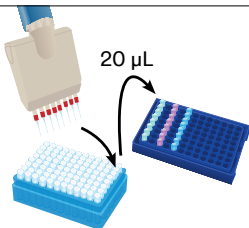
00:05:00



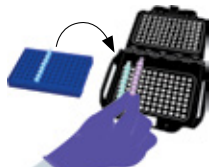
- 4 Cool LS tube rack without lid on chill block at room temperature (20–25 °C) for 5 minutes.
Do not freeze the chill block nor use the tray.



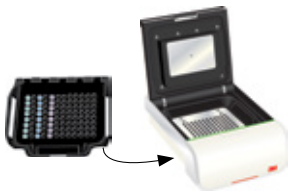
Liquid will be pink when cooled.



- 5 Transfer 20 µL sample to individual reagent tube.
Pipet up and down 5 times to mix.



- 6 Transfer closed tubes to speed loader tray.



- 7 Start the run using the software. Place speed loader tray into instrument and close the lid.
If lysate will be retained for re-test, wash hands, re-glove and then re-cap the LS tubes after this step. Store capped LS tubes at 4–8 °C.

00:75:00



- 8 Presumptive positive results as early as 15 minutes.
Negative results at 60–75 minutes.
Salmonella, E. coli O157 (including H7), Cronobacter, Campylobacter, STEC Gene Screen (stx) and STEC Gene Screen (stx and eae) at 60 minutes. Listeria and Listeria monocytogenes at 75 minutes.

3M™ Molecular Detection Assay 2

Salmonella, *Listeria*,
Listeria monocytogenes,
E. coli O157 (including H7),
Cronobacter, *Campylobacter*,
STEC Gene Screen (*stx*)
and STEC Gene Screen (*stx* and *eae*).

Kit Details

Tests Per Kit: 48 or 96, varies by kit

Contents: Color-Coded Reagent Tubes, Pre-Dispensed and Ready-To-Use Lysis Solution, Extra Caps, Reagent Control Tubes, Quick Start Guide

Storage Conditions: 2–8 °C (shelf-life dated on label)

Sample Enrichment

Please refer to the 3M Molecular Detection Assay 2 Product Instructions for sample enrichment protocols. The latest Product Instructions are available for download from the 3M Food Safety website at 3M.com/foodsafety/MDA2.

Ordering Information — Related Items

Catalog Number	Description	Size	Quantity
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
CE250	3M™ <i>Campylobacter</i> Enrichment Broth	250 g Bottle	1
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

3M Molecular Detection Assay 2 — *Salmonella* (MDA2SAL96)



3M Molecular Detection Assay 2 — *Listeria* (MDA2LIS96)



3M Molecular Detection Assay 2 — *Listeria monocytogenes* (MDA2LMO96)



3M Molecular Detection Assay 2 — *E. coli* O157 (including H7) (MDA2ECO96)



3M Molecular Detection Assay 2 — *Cronobacter* (MDA2CRO96)



3M Molecular Detection Assay 2 — *Campylobacter* (MDA2CAM96) with *Campylobacter* Enrichment Broth (CE250)



3M™ Molecular Detection Assay 2 — STEC Gene Screen (*stx*) (MDA2STX96)



3M™ Molecular Detection Assay 2 — STEC Gene Screen (*stx* and *eae*) (MDA2STXAE48)



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