

3M Releases Next Generation Molecular Pathogen Detection Test for E. coli O157 (including H7)

New assays also available for Salmonella, Listeria and Listeria monocytogenes

3M Food Safety announced today the launch of its 3M™ Molecular Detection Assay 2 – *E. coli* O157 (including H7), adding to a line of next-generation tests which also includes *Salmonella*, *Listeria* and *Listeria monocytogenes*. Introduced in 2011, the 3M™ Molecular Detection System is utilized by food processors, laboratories, universities and government agencies in over 40 countries for accurate and reliable pathogen testing.

The 3M Molecular Detection Assay 2 kits, enhanced with a proprietary 3M nanotechnology, provide customers with a streamlined workflow that simplifies their pathogen testing. All four assays – *Salmonella*, *Listeria*, *Listeria monocytogenes* and *E. coli* O157 (including H7) – use a single assay protocol, enabling batch processing of samples and improving efficiency in the laboratory. Incorporation of a unique color-change indicator provides increased confidence during the process. Compared to first generation tests, assay processing time is 30 percent faster and instrument run time is only one hour for *E. coli* O157 and *Salmonella*. Combined with short enrichment times, as low as eight hours for raw meat samples, these features give customers flexibility in their testing that allow them to make critical decisions faster.

“We are excited to offer customers overall gains in productivity and speed of detection for *Salmonella*, *Listeria*, *L. monocytogenes*, and now *E. coli* O157, including the harmful H7 serotype,” said John David, global marketing supervisor with 3M Food Safety. “With the 3M Molecular Detection Assay 2, our customers will experience a streamlined protocol with faster processing time versus most commercial foodborne pathogen tests. For existing customers, the transition from the first to second-generation assays will be seamless – all assays can be run simultaneously using the same compact 3M™ Molecular Detection Instrument, providing high efficiency and productivity in the laboratory.”

Individuals can visit www.3M.com/3MMolecularDetectionSystem/MDA2ECOLI to learn more about the technology and can contact their local 3M Food Safety representative for availability in their specific regions. In order to use the new assays on the existing instrument, customers simply need to download and install a free software upgrade available at www.3M.com/foodsafety. In addition to making the new assay platform compatible, the software enhancements feature a redesigned user interface and new features that allow for easier, more efficient data entry and improved administrative control.

3M Food Safety is a leader of innovative solutions that help the food and beverage industries optimize the quality and safety of their products to enable consumer protection. At every step, 3M Food Safety provides solutions that help mitigate risk, improve operational efficiencies and impact the bottom line. For more information, visit www.3M.com/FoodSafety or follow [@3M_FoodSafety](https://twitter.com/3M_FoodSafety) on Twitter.

About 3M

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Molecular Detection Assay 2 - E. coli (Photo: Business Wire)

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