

## 3M Molecular Detection Assay for Salmonella Detection Secures Extended Validations

Today, 3M Food Safety announced that its 3M™ Molecular Detection Assay *Salmonella* has received an extension of the current NF VALIDATION certificate from AFNOR Certification. The extension means that the test kit, which helps food processors and other parties detect *Salmonella* and consequently prevent salmonellosis, is now validated by the international organization for all human foods and environmental samples.

In a related development, the *Salmonella* assay's most recent AOAC INTERNATIONAL Performance Tested Method<sup>SM</sup> (PTM) matrix extension and modification has been accepted by AOAC as a First Action Official Method of Analysis<sup>SM</sup> (OMA method number 2013.09).

"We are proud that the 3M Molecular Detection Assay *Salmonella* has now achieved validation for all human foods and environmental products through internationally recognized validation schemes," said Niki Montgomery, global pathogen detection solutions business manager with 3M Food Safety. "These new validations and extensions approved through these distinguished technical committees, confirm 3M's molecular approach for pathogen detection."

### AFNOR CERTIFICATION

To achieve NF VALIDATION certification, the 3M Molecular Detection Assay *Salmonella* went through a comprehensive scientific review process. In December 2012, the assay received NF VALIDATION certification for egg, meat and dairy food products (excluding milk powders), and in February 2013, the AFNOR Certification expert committee found the assay to be as or more effective than standard methods for detecting *Salmonella* in seafood, vegetable products and environmental samples taken from food processing sites. With this latest NF VALIDATION certification, the 3M Molecular Detection Assay is now certified for the detection of *Salmonella* in powdered dairy products, cocoa-based products, spices and aromatic herbs, concentrates, instant coffees and teas, using specific protocols for those challenging foods. Following NF VALIDATION rules, the scope of the validation is now all human foods and environmental samples (excluding primary production environmental samples).

### AOAC INTERNATIONAL

The Official Methods of Analysis (OMA) is the AOAC INTERNATIONAL's premier, internationally recognized program for chemical, microbial and molecular biological testing methods. The 3M Molecular Detection Assay *Salmonella* was validated through the AOAC Research Institute following the harmonized Performance Tested Method<sup>SM</sup> (PTM) and Official Methods of Analysis guidelines to receive PTM certification in March 2012 for six matrices and OMA certification in June 2013. In January 2014, a matrix extension/modification of 11 additional foods and three environmental surfaces was added to the assay's PTM certification, which has now been approved for inclusion in the method's OMA First Action validation.

The 3M Molecular Detection Assay *Salmonella* is one of four assays developed by 3M Food Safety for its 3M™ Molecular Detection System. The other assays include, *E. coli*O157 (including H7), *Listeria* and *Listeria monocytogenes*. The 3M Molecular Detection System offers a unique, reliable and rapid qualitative method of pathogen detection and integrates two innovative technologies - isothermal DNA amplification and bioluminescence detection.

For more information on the 3M Molecular Detection Assay *Salmonella*, visit <http://www.3m.com/3MMolecularDetectionSystem/SALAFNOROMA>

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](http://www.3M.com/FoodSafety) or follow [@3M\\_FoodSafety](https://twitter.com/3M_FoodSafety) on Twitter.

#### About 3M

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