

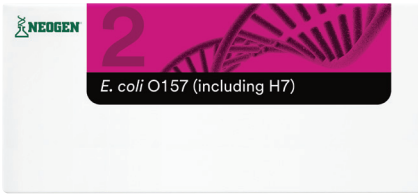


# Preventive controls from farm to table

## Neogen® Molecular Detection Assays 2 (MDA 2) - *E. coli* O157 (including H7)

Testing for *E. coli* O157 (including H7), is a critical component of food safety programs. The Neogen MDA 2 - *E. coli* O157 (including H7) is a breakthrough in testing for the food and beverage industry. An innovative solution that is fast, cost effective and easy to use without sacrificing sensitivity or specificity.

In testing raw milk, unpasteurized fruit juices, raw vegetables, undercooked or raw ground beef, cover all your bases with the Neogen MDA 2 - *E. coli* O157 (including H7) which is used with the Neogen Molecular Detection System for the rapid and specific detection of *E. coli* O157 (including H7) in enriched food samples. As part of the Neogen Molecular Detection System, you can be confident with information you can trust.



### Specificity and Sensitivity on Real Time Results

The next generation Neogen Molecular Detection Assays use isothermal amplification of nucleic acid sequences with high specificity, efficiency and rapidity. Bioluminescence is used to detect the amplification.

### Find a Solution to Required Food Testing

*Escherichia coli* bacteria normally live in the intestines of people and animals, and most of them are harmless, however, some *E. coli* strains are pathogenic, causing either diarrhea or illness outside of the intestinal tract. The types of *E. coli* that can cause diarrhea can be transmitted through contaminated water or food, cross-contamination, or through contact with ill humans or animals.

Foodborne outbreaks of *E. coli* O157:H7 can result in significant adverse health conditions for people of any age. Severe illness and a complication called hemolytic uremic syndrome are more common among children. According to the CDC, “around 5–10% of those who are diagnosed with *E. coli* O157 infection develop a potentially life-threatening complication known as hemolytic uremic syndrome (HUS).”<sup>1</sup>

### Neogen MDA 2 - *E. coli* O157 (including H7) Offers:

- Positive samples identified as early as 15 minutes
- Flexibility to test 1 to 96 samples in each run
- Ability to incorporate other assays in the same run using the same post-enrichment protocol
- Only two transfer steps after a single enrichment
- Ready-to-use and pre-dispensed reagents
- Real-time results to help you make critical decisions faster

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



<sup>1</sup> <https://www.cdc.gov/foodsafety/communication/ecoli-and-food-safety.html#>:

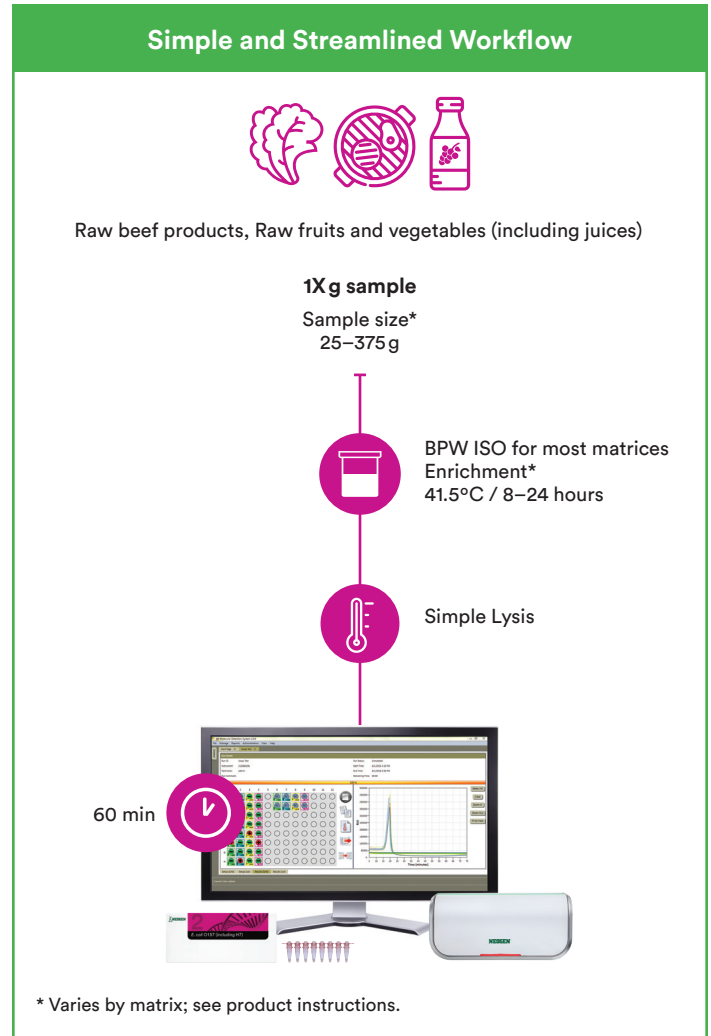
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### Certifications and Validations

(view the method for specific details on the validations):

- AOAC® *Official Method of Analysis*<sup>SM</sup> (AOAC 2017.01)
- NF VALIDATION certificate granted by AFNOR Certification, 3M 01/18-05/17



### Ordering Information

Description	Cat. No.	Contents
Molecular Detection Assay 2 - <i>E. coli</i> O157 (including H7)	MDA2ECO96	96 tests/kit