

BAX® System Q7

PCR Assay for *E. coli* O157:H7 MP

The BAX® System portfolio of pathogenic *E. coli* assays offers consistent accuracy, reliability and convenience with flexibility to meet diverse testing needs. Recent research on *E. coli* O157:H7 indicates that its chromosomal architecture is considerably more complex and diversified than previously recognized. The multiplex BAX System PCR assay has been fine-tuned to recognize not only standard but also new, unusual or modified varieties of *E. coli* O157:H7.

Features & Benefits:

- Clear yes-or-no results in as little as 12 hours for select food and environmental samples
- Compatible with many other BAX System assays for efficient processing
- Carefully designed primers target specific genetic sequences possessed only by the target organisms
- Minimal components and simplified workflows to maximize efficiency and ease-of-use
- Validated to perform as well or better than standard reference methods for listed product types
- Internal controls included in every test to validate results even in absence of target
- Flexible protocols available to meet your unique workflows

Validations, Certifications and Approvals:

- **AOAC Research Institute**
Performance Tested Method™ #050501
Validated on ground beef, beef trim, spinach and lettuce
- **NF VALIDATION – certificate granted by AFNOR Certification** QUA 18/04 – 03/08
Certified according to NF validation rules for raw beef meats, raw pork, ovine and chicken meats, ready to eat and ready to reheat dishes, raw milk, fruits and vegetables
- **Health Canada**
MFLP-30
Dry animal feed, dairy, dry environmentals, dry foods, fruit, meat, ground beef, beef trim, vegetables

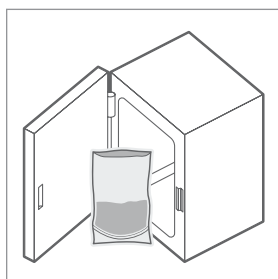


QUA 18/04 - 03/08
Alternative Analytical
Methods for Agribusiness
<http://nf-validation.afnor.org/en>

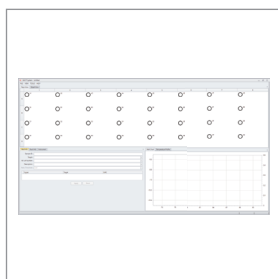


Product No.	Description	Quantity
KIT2004	BAX® System PCR Assay for <i>E. coli</i> O157:H7 MP	96 tests per kit

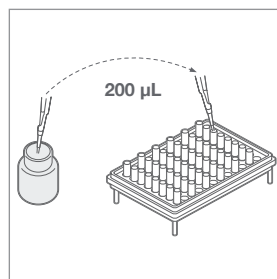
BAX System Protocol*



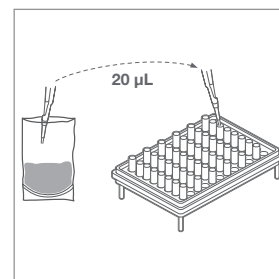
Enrich samples.



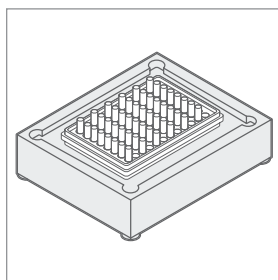
Create rack file and warm up cyclor.



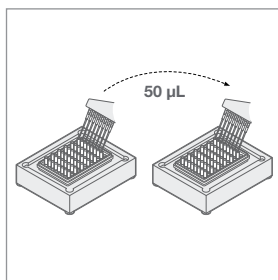
Add protease to lysis buffer bottle, mix then dispense 200 µL of solution into cluster tubes.



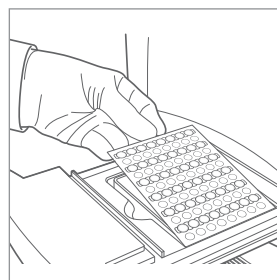
Transfer 20 µL sample enrichment to cluster tubes.



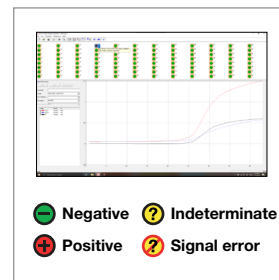
Place samples on automated thermal block for lysis and cooling.



Transfer lysates to PCR tubes in a cooling block.



Place sealed PCR tubes in cyclor and immediately click "NEXT" to run program.



Review results.

*Refer to Ready Reference Guide for detailed steps.

Related Products

BAX System MP Media

Available enrichment media for customers looking to take full advantage of rapid time-to-results and ease-of-use offered by select BAX System *E. coli* and *Salmonella* assays.

StatMedia™ Soluble Packets

Gamma-irradiated BAX System MP Media in convenient, water-soluble packets for reduced mess and preparation. Simply drop in pre-warmed sterile water and mix before adding sample.

BAX System Real-Time PCR Assay for *E. coli* O157:H7

Real-time PCR assay providing same-day results that are reliable and reproducible, allowing food producers and processors to quickly and accurately release safe products to the market.

BAX System Real-Time PCR Assays – STEC Suite

Designed to identify the top six non-O157 Shiga toxin-producing *E. coli* (STEC) defined by the USDA Food Safety and Inspection Service (FSIS) as adulterants in the United States' beef industry.

Product No.	Description	Quantity
MED2003	BAX® System MP Media	2.5 kg tub
MED2016	StatMedia™ Soluble Packets	20 x 5 x 33.75 g
KIT2000	BAX® System Real-Time PCR Assay for <i>E. coli</i> O157:H7	96 tests per kit
KIT2021	BAX® System Real-Time PCR Assay for STEC Screening	96 tests per kit
KIT2008	BAX® System Real-Time PCR Assay for STEC Panel 1	48 tests per kit
KIT2009	BAX® System Real-Time PCR Assay for STEC Panel 1	48 tests per kit