

BAX® System

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



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

Validations, Certifications and Adoptions:

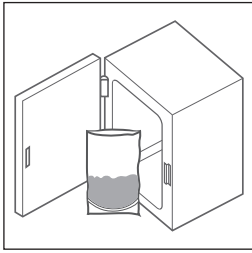
- **AOAC Research Institute**
Performance Tested MethodSM #050501
Validated on raw ground beef, beef trim, spinach and lettuce
- **Health Canada** MFLP-30, supplement 2*
Dry animal feed, dairy, dry environmentals, dry foods, fruit, meat, ground beef, beef trim, vegetables
- **NF VALIDATION certificate granted by AFNOR Certification** QUA 18/04-03/08
(Validation study performed in accordance with EN ISO 16140-2) Certified according to AFNOR validation rules for raw beef meats, raw milk, fruits and vegetables, ready-to-eat and ready-to-reheat dishes, raw pork, ovine and chicken meats

Hygiena Product Code	Legacy Order Code	Description	Quantity
KIT2004	D12404903	BAX® System PCR Assay for <i>E. coli</i> O157:H7 MP	96 tests per kit

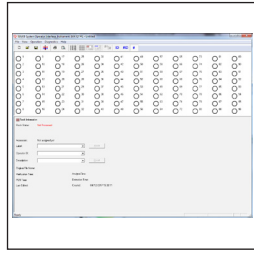


Find support documents, instructional videos, and more at www.hygiena.com

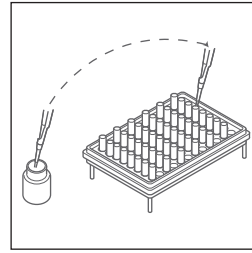
BAX® System Protocol



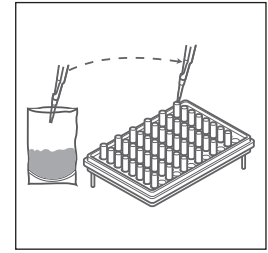
Enrich Samples.



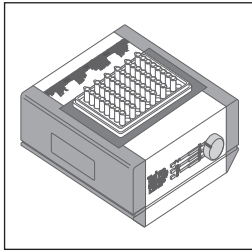
Create rack file and warm up cycler.



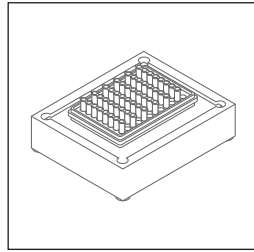
Mix protease with lysis buffer and transfer 200 µL of mixture to cluster tubes.



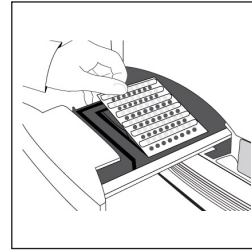
Transfer 20 µL sample enrichment to cluster tubes.



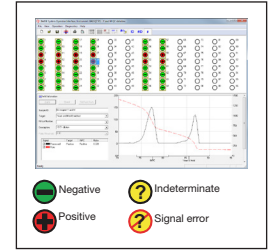
Place samples on automated thermal block for lysis and cooling.



Transfer 50 µL of lysed sample to PCR tubes in frozen cooling block.



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



Review MP Express results. (Add 60 minutes for standard MP results.)

Related Products

BAX® System MP Media

Available enrichment media for customers looking to take full advantage of the rapid time-to-result 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 with 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.

Hygiene Product Code	Legacy Order Code	Description	Quantity
MED2003	D12404925	BAX® System MP Media	2.5 kg tub
MED2016	D12745725	StatMedia™ Soluble Packets	20x5x33.75g
KIT2000	D14203648	BAX® System Real-Time PCR Assay for <i>E. coli</i> O157:H7	96 tests per kit
KIT2021	D14642964	BAX® System Real-Time PCR Assay for STEC Screening	96 tests per kit
KIT2008	D14642970	BAX® System Real-Time PCR Assay for STEC Panel 1	48 tests per kit
KIT2009	D14642987	BAX® System Real-Time PCR Assay for STEC Panel 2	48 tests per kit



Find support documents, instructional videos, and more at www.hygiene.com