

BAX® System X5

PCR Assay for *L. monocytogenes*

The BAX® System X5 offers the same fast, accurate, easy-to-use pathogen detection solution that customers have come to expect from the BAX® System method, but in a smaller, lightweight footprint. This PCR assay detects *Listeria monocytogenes* from a wide variety of enriched samples (meats, seafood products, dairy products, fruits and vegetables) using automated sample preparation in the Hygiena® Thermal Block and automated amplification and detection in the BAX® System X5 instrument.



Features & Benefits:

- Clear yes-or-no results in as little as 30 hours for select food and environmental samples
- Carefully designed primers target specific genetic sequences possessed only by the target organisms
- Validated to perform as well or better than standard reference methods
- Minimal components and simplified workflows to maximize efficiency and ease-of-use
- Compatible with many other BAX® System X5 assays for efficient processing
- Included internal controls to validate results even in absence of target
- Flexible protocols available to meet your unique workflows



QUA 18/05 - 07/08
Alternative Analytical
Methods for Agribusiness
<http://nf-validation.afnor.org/en>



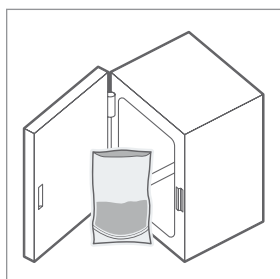
Health Canada MFLP-28

Validations, Certifications and Adoptions:

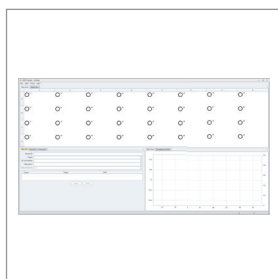
- **AOAC Research Institute**
Performance Tested MethodSM #070202
Validated on chocolate ice cream, milk (2%), vanilla yogurt, apple juice, cabbage slaw, fish sticks, frankfurters, langostinos, orange juice, peas, pepperoni, spinach, strawberries, surimi, deli turkey, ground pork, queso fresco, and plastic (4x4 in).
- **NF VALIDATION – certificate granted by AFNOR Certification** QUA 18/05-07/08
Validated according to AFNOR validation rules for meat, seafood, dairy, vegetables and environmental samples.
- **Health Canada MFLP-28**
The BAX® System Method for the detection of *Listeria monocytogenes* in foods and environmental surface samples.

Code	Description	Quantity
KIT2023	BAX® System X5 PCR Assay for <i>L. monocytogenes</i>	64 per kit

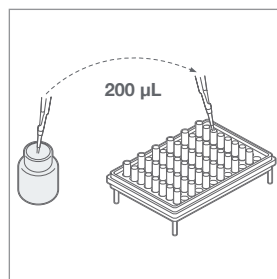
BAX System Protocol



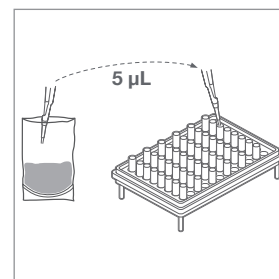
Enrich samples.



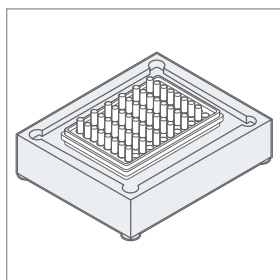
Create rack file and warm up cyclor.



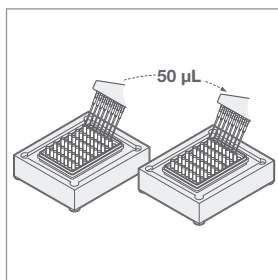
Mix protease with lysis buffer and lysing agent 2 and dispense 200 μ L of solution into cluster tubes.



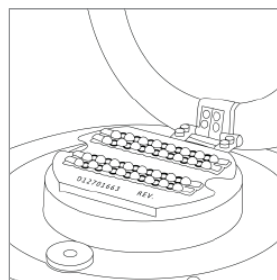
Transfer 5 μ L sample enrichment to cluster tubes.



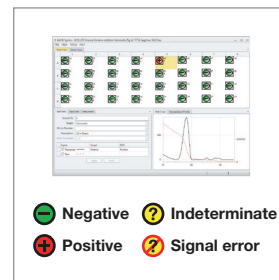
Place samples on automated thermal block for lysis and cooling.



Transfer 50 μ L of lysed sample to PCR tubes in cooling block.



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



Review results.

● Negative
 ● Indeterminate
 ● Positive
 ● Signal error

Related Products

BAX® System X5 PCR Assay for *Salmonella*

Detects *Salmonella* species from standard enrichments of a variety of food and environmental samples with the same accurate and reliable DNA-based pathogen detection as the BAX® System Q7 with a smaller footprint.

BAX® System X5 PCR Assay for *E. coli* O157:H7

Detects *E. coli* O157:H7 from a wide variety of enriched samples (meats, vegetables, fruits and raw milk) with the same accurate and reliable DNA-based pathogen detection as the BAX® System Q7 with a smaller footprint.

BAX® System X5 PCR Assay for Genus *Listeria*

Detects *Listeria* species from a wide variety of enriched samples (ready-to-eat meats, vegetables, cheese and environmental surfaces) with the same accurate and reliable DNA-based pathogen detection as the BAX® System Q7 with a smaller footprint.

Code	Description	Quantity
KIT2025	BAX® System X5 PCR Assay for <i>Salmonella</i>	64 per kit
KIT2022	BAX® System X5 PCR Assay for <i>E. coli</i> O157:H7	64 per kit
KIT2024	BAX® System X5 PCR Assay for Genus <i>Listeria</i>	64 per kit