

# 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.



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

### 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

### Validations, Certifications and Adoptions:

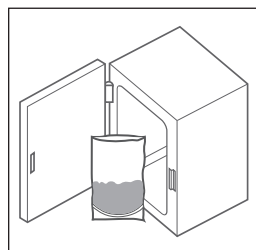
- **AOAC Research Institute**  
Performance Tested Method<sup>SM</sup> #070202  
Validated on ground beef, ground pork, ground chicken, ground turkey, deli turkey, frankfurters, pepperoni, fish sticks, surimi, langostinos, smoked salmon, ice cream, milk (2%), yogurt, queso fresco cheese, cabbage slaw, peas, spinach, strawberries, apple juice, orange juice and plastic environmental surfaces
- **NF VALIDATION certificate granted by AFNOR Certification**  
QUA 18/05-07/08 (Validation study performed in accordance with EN ISO 16140-2) Certified according to AFNOR validation rules for all human food products and production environmental samples

Hygiena Product Code	Legacy Order Code	Description	Quantity
KIT2023	D15407201	BAX® System X5 PCR Assay for <i>L. monocytogenes</i>	64 per kit

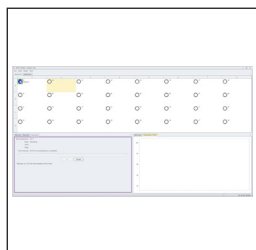


Find support documents, instructional videos, and more at [www.hygiena.com](http://www.hygiena.com)

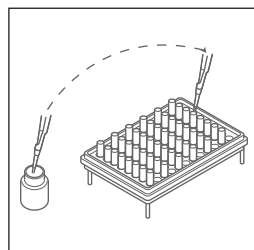
## BAX® System Protocol



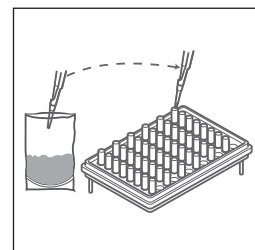
Enrich Samples.



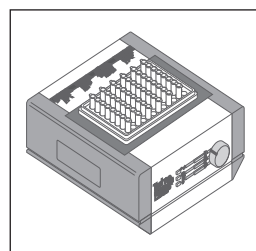
Create rack file and warm up cyclometer.



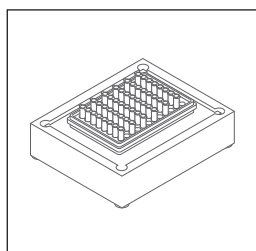
Mix protease, Lysing Agent 2, and lysis buffer. Transfer 200uL of solution to cluster tubes.



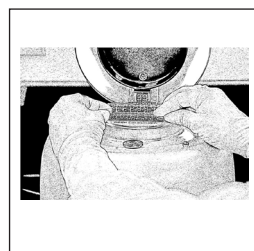
Transfer 5 µL sample enrichment to cluster tubes.



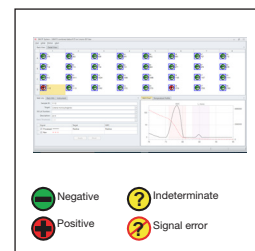
Place samples on automated thermal block for lysis and cooling.



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



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



Review results.

## 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.

Hygiena Product Code	Legacy Order Code	Description	Quantity
KIT2025	D15407187	BAX® System X5 PCR Assay for <i>Salmonella</i>	64 per kit
KIT2022	D15407214	BAX® System X5 PCR Assay for <i>E. coli</i> O157:H7	64 per kit
KIT2024	D15407193	BAX® System X5 PCR Assay for Genus <i>Listeria</i>	64 per kit



Find support documents, instructional videos, and more at [www.hygiena.com/bax](http://www.hygiena.com/bax)