

# BAX® System Q7

## Real-Time PCR Assay for Genus *Listeria*

The BAX® System Real-Time PCR assay for Genus *Listeria* can help companies monitor their environment and products for contamination with *Listeria*, a common indicator organism for other pathogens, including *Listeria monocytogenes*. With a shortened, simplified sample preparation procedure and rapid real-time processing, this assay provides a fast and accurate molecular testing method for *Listeria* species in food and environmental samples.

### Features & Benefits:

- Clear yes-or-no results in as little as 23 hours for select matrices
- Compatible with other BAX System assays for efficient processing
- Carefully designed primers target specific genetic sequences possessed only by the target organisms
- Validated to perform as well or better than standard reference methods for listed product types
- Minimal components and simplified workflows to maximize efficiency and ease-of-use
- Internal controls included in every test to validate results even in absence of target
- Flexible protocols available to meet your unique workflows
- Internally validated for quantification of *Listeria* in lettuce and laboratory swabs and cultures

### Validations, Certifications and Approvals:

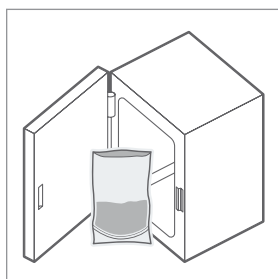
- **AOAC Research Institute**  
*Performance Tested Method*™ #081401  
Validated on frankfurters, cooked shrimp, smoked salmon, spinach, bagged lettuce, queso fresco cheese, stainless steel, plastic and sealed concrete.
- **NF VALIDATION – certificate granted by AFNOR Certification** QUA 18/07 – 01/19  
Certified according to NF validation rules for all human food products and industrial production environmental samples.



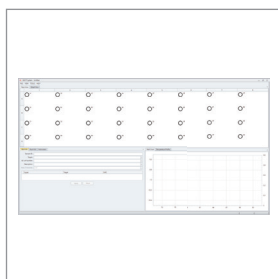
QUA 18/09 - 01/19  
Alternative Analytical  
Methods for Agribusiness  
<http://nf-validation.afnor.org/en>

| Product No. | Description                                           | Quantity         |
|-------------|-------------------------------------------------------|------------------|
| KIT2019     | BAX® System Real-Time PCR Assay Genus <i>Listeria</i> | 96 tests per kit |

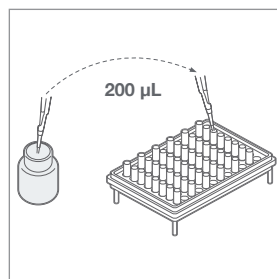
## BAX System Protocol\*



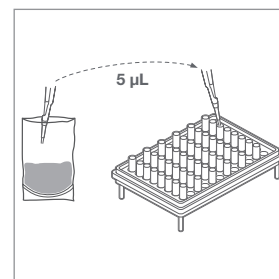
Enrich samples.



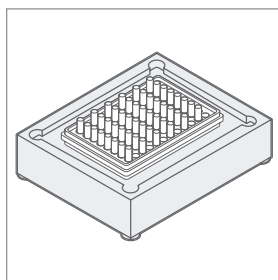
Create rack file and warm up cycler.



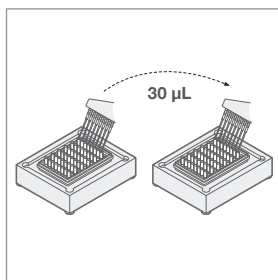
Add protease and lysing agent to lysis buffer bottle, mix then dispense 200 µL of solution into cluster tubes.



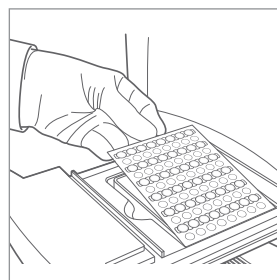
Transfer 5 µL sample enrichment to cluster tubes.



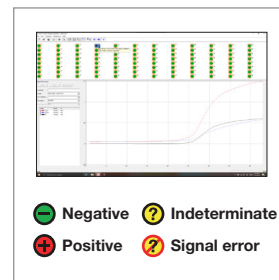
Place samples on automated thermal block for lysis and cooling.



After transferring lysates to PCR tubes in a cooling block, hold for 10-30 minutes.



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



Review results.

\*Refer to Ready Reference Guide for detailed steps.

## Related Products

### 24 LEB Complete Media

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

### BAX® System Real-Time PCR Assay *Salmonella*

Provides accurate, reliable *Salmonella* detection in raw ingredients, finished products and environmental samples using real-time PCR technology to reduce processing time to about one hour.

### BAX® System Real-Time PCR Assay

#### *L. monocytogenes*

With a shortened, simplified sample preparation procedure and real-time processing, this assay provides a fast and accurate molecular testing method for *L. monocytogenes* in food and environmental samples.

#### foodproof® *Salmonella* Genus plus Enteritidis & Typhimurium Detection LyoKit

This kit detects and differentiates the genus *Salmonella* as well as the serovars *S. Enteritidis* and *S. Typhimurium* in one test.

| Product No. | Description                                                                        | Quantity         |
|-------------|------------------------------------------------------------------------------------|------------------|
| MED2005     | 24 LEB Complete Media                                                              | 2.5 kg tub       |
| KIT2006     | BAX® System Real-Time PCR Assay <i>Salmonella</i>                                  | 96 tests per kit |
| KIT2005     | BAX® System Real-Time PCR Assay <i>L. monocytogenes</i>                            | 96 tests per kit |
| KIT230134   | foodproof® <i>Salmonella</i> Genus plus Enteritidis & Typhimurium Detection LyoKit | 96 tests per kit |