

# BAX® System

## PCR Assay for *L. monocytogenes* 24E

The BAX® System PCR Assay for *Listeria monocytogenes* 24E can help companies monitor their environment and products for contamination with *L. mono*. Traditional culture methods can take four days or more to get results, and many rapid methods require a two-stage, 48-hour enrichment. With this BAX® System assay, however, accurate and reliable results are available the next day with a single step, 24-hour enrichment.



### Features & Benefits:

- Clear yes-or-no results in as little as 30 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
- 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 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>

### Validations, Certifications and Approvals:

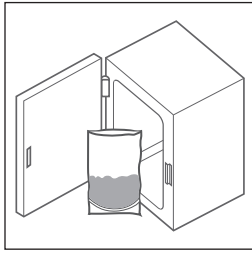
- **AOAC Research Institute**  
Performance Tested Method<sup>SM</sup> #080901  
Validated on frankfurters, spinach, cooked shrimp, queso fresco cheese and stainless steel surfaces
- **NF VALIDATION certificate granted by AFNOR Certification** QUA 18/05-07/08  
(Validation study performed in accordance with EN ISO 16140-2) Certified according to NF Validation rules for all human food products and production environmental samples

Legacy Order Code	Hygiena Product Code	Description	Quantity
D13608125	KIT2002	BAX® System PCR Assay for <i>L. monocytogenes</i> 24E	96 tests per kit

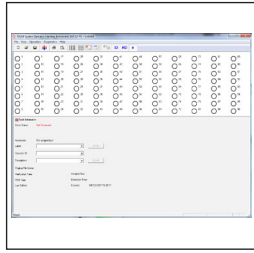


Find support documents, instructional videos, and more at [www.hygiena.com](http://www.hygiena.com)

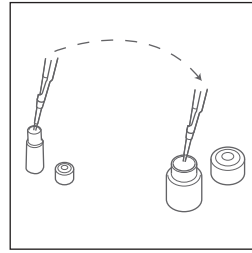
# BAX® System Protocol



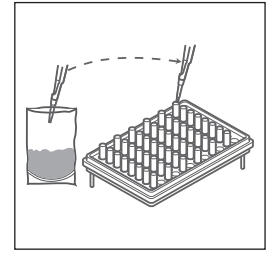
Enrich Samples.



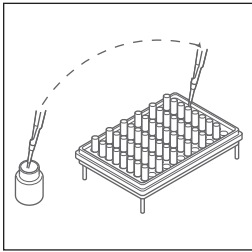
Create rack file and warm up cyclor.



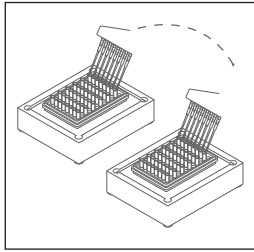
Dilute Lysing agent 1 with 1.8 mL sterile water, and combine in 4:1 ratios with Lysing agent 2.



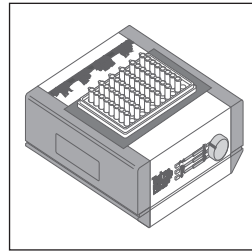
Transfer 50 µL of combined agents to cluster tubes, then add 0.5 mL enriched sample and incubate for 30 minutes at 37°C.



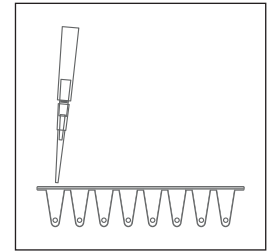
Mix protease with lysis buffer and transfer 200 µL of mixture to new cluster tubes.



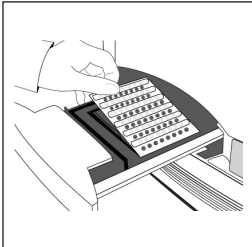
Transfer 5 µL of lysate to cluster tubes.



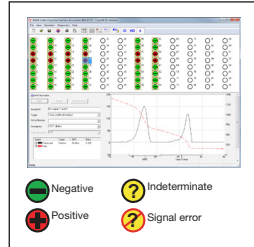
Place samples on automated thermal block for lysis and cooling.



Transfer 30 µL of lysed sample to PCR tubes in cooling block.



Place sealed PCR tubes in cyclor and run program.



Review results.

## Related Products

### 24 LEB Complete

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 *Listeria* assays.

### BAX® System PCR Assay for Genus *Listeria* 24E

Obtain accurate and reliable results for *Listeria* in environmental samples and products as soon as next day with a single-step, 24-hour enrichment.

Hygiene Product Code	Legacy Order Code	Description	Quantity
MED2005	D14654989	24 LEB Complete	2.5 kg tub
KIT2003	D13608135	BAX® System PCR Assay for Genus <i>Listeria</i> 24E	96 tests per kit



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