# BAX® System X5

## PCR Assay for Genus *Listeria*

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 construction. This PCR assay detects Listeria species from a wide variety of enriched samples (ready-to-eat meats, vegetables, cheese and environmental surfaces), using automated sample preparation in the Hygiena™ Thermal Block and automated amplification and detection in the BAX® System X5 instrument.

**PERFORMANCE TESTED**
**AOAC**
RESEARCH INSTITUTE
LICENSE NUMBER    030502

**NF VALIDATION EN ISO 16140**

QUA 18/06 - 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
- Minimal components and simplified workflows to maximize efficiency and ease-of-use
- Compatible with other BAX® System X5 assays for efficient processing
- Validated to perform as well or better than standard reference methods for listed product types
- Included internal controls to validate results even in absence of target

### Validations, Certifications and Adoptions:

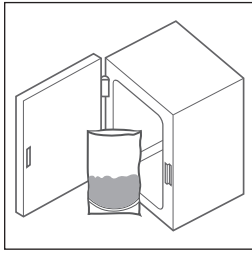- **AOAC Research Institute**
  Performance Tested Method℠ #030502
  Validated on environmental sponges, environmental swabs, frankfurters, smoked salmon, spinach and other vegetables and cheese

- **NF VALIDATION certificate granted by AFNOR Certification**
  QUA 18/06-07/08 - Certified according to AFNOR validation rules for meat, seafood, dairy, vegetables and environmental samples

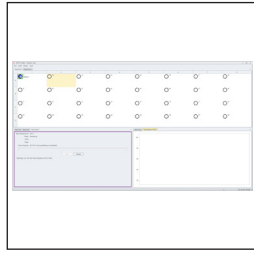| Hygiena Product Code | Legacy Order Code | Description | Quantity |
|---|---|---|---|
| KIT2024 | D15407193 | BAX® System X5 PCR Assay for Genus *Listeria* | 64 per kit |

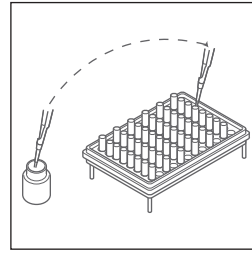Find support documents, instructional videos, and more at **www.hygiena.com**
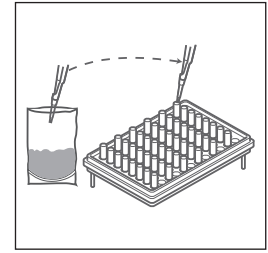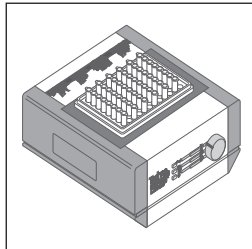
# BAX® System Protocol
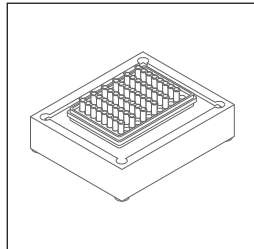
Enrich Samples.

Create rack file and warm up cycler.

Mix protease with lysis buffer and lysing agent 2 and dispense 200μL of solution into cluster tubes.
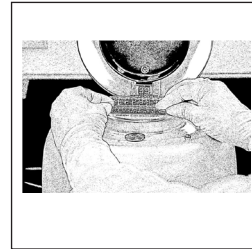
Transfer 5 µL sample enrichment to cluster tubes.

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 cycler and immediately click "NEXT" to run program.

Review results.

🟢 Negative    ❓ Indeterminate

🔴 Positive    ❓ Signal error

# Related Products

**BAX® System *Listeria* Enrichment Media**

Provides nutrients and stable pH conditions to improve recover of *Listeria* cells from sponges and swabs used to sample food contact surfaces and other environmental areas.

**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**.**

| Hygiena Product Code | Legacy Order Code | Description | Quantity |
|---|---|---|---|
| MED2002 | D12232794 | BAX® System *Listeria* Media | 2.5 kg tub |
| KIT2025 | D15407187 | BAX® System X5 PCR Assay for *Salmonella* | 64 per kit |
| KIT2022 | D15407214 | BAX® System X5 PCR Assay for *E. coli* O157:H7 | 64 per kit |

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