

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.



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 MethodSM #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

keydiagnostics

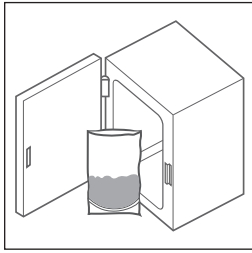
T: 02 8212 4074 F: 02 9423 6992
info@keydiagnostics.com.au
www.keydiagnostics.com.au
PO Box 1038, Gynea, NSW, 2227

Hygiena Product Code	Legacy Order Code	Description	Quantity
KIT2024	D15407193	BAX [®] System X5 PCR Assay for Genus <i>Listeria</i>	64 per kit

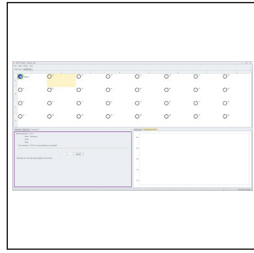


Find support documents, instructional videos, and more at www.hygiena.com

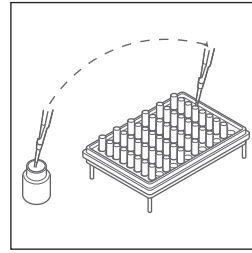
BAX® System Protocol



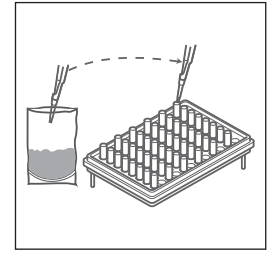
Enrich Samples.



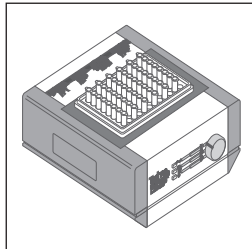
Create rack file and warm up cyclor.



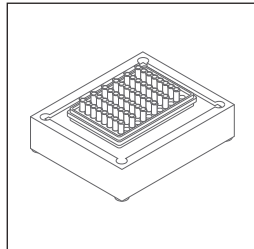
Mix protease with lysis buffer and lysing agent 2 and dispense 200µL of solution into cluster tubes.



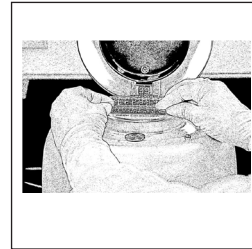
Transfer 5 µL sample enrichment to cluster tubes.



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 cyclor and immediately click "NEXT" to run program.



Review results.

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 <i>Listeria</i> Media	2.5 kg tub
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



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