BAX® System X5

PCR Assay for *Salmonella*

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 *Salmonella* species from standard enrichments of a variety of food and environmental samples 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 100201

NF VALIDATION EN ISO 16140

QUA 18/03 - 11/02
Alternative Analytical Methods for Agribusiness
http://nf-validation.afnor.org/en

Features & Benefits:

- Clear yes-or-no results in as little as 14 hours for select food samples, 30 hours for environmental surfaces
- 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 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
- Includes hot-start PCR chemistry for improved robustness

Validations, Certifications and Adoptions:

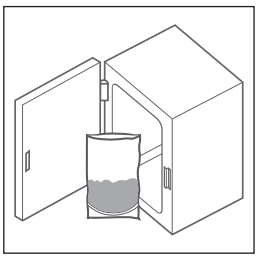
- **AOAC Research Institute**
  Performance Tested Method℠ #100201
  Validated on ground beef, ground pork, ground chicken, ground turkey, deli turkey, frankfurters, pepperoni, fish sticks, surimi, langostinos, smoked salmon, ice cream, milk (2%), yogurt, queso fresco cheese, cabbage slaw, peas, spinach, strawberries, apple juice, orange juice and plastic environmental surfaces

- **NF VALIDATION certificate granted by AFNOR Certification**
  QUA 18/03-11/02 *(Validation study performed in accordance with EN ISO 16140-2)* Certified according to AFNOR validation rules for all human products, feed products, and production environmental samples (except primary production environment)

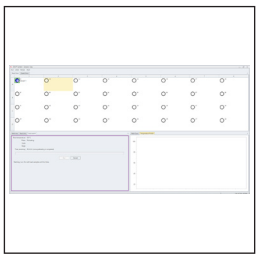
Hygiena Product Code	Legacy Order Code	Description	Quantity
KIT2025	D15407187	BAX® System X5 PCR Assay for *Salmonella*	64 per kit

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

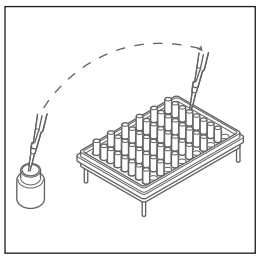
BAX® System Protocol



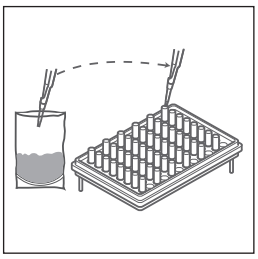
Enrich Samples



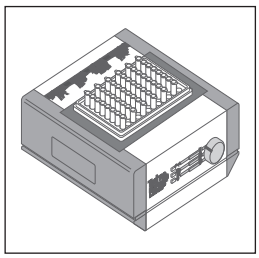
Create rack file and warm up cycler.



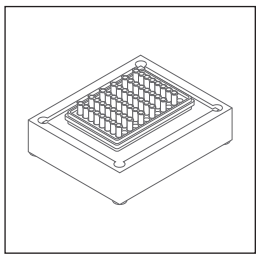
Mix protease with lysis buffer and transfer 200 µL of lysis reagent to cluster tubes.



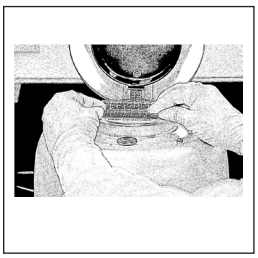
Transfer 5 µL sample enrichment to cluster tubes.



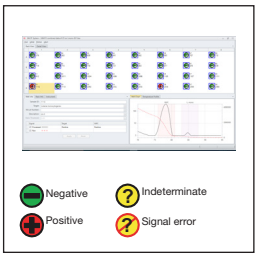
Place samples on automated thermal block for lysis and cooling



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



Place sealed PCR tubes in cycler and run program.



Review results.

Related Products

BAX® System MP Media

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 *E. coli* and *Salmonella* assays.

StatMedia™ Soluble Packets

Gamma-irradiated BAX® System MP Media in convenient, water-soluble packets for reduced mess and preparation. Simply drop in pre-warmed sterile water and mix with sample.

Hygiena™ Dehydrated Culture Media (BPW)

Buffered Peptone Water is a non-selective pre-enrichment medium used to help improve the recovery of *Salmonella* and *Cronobacter*.

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
MED2003	D12404925	BAX® System MP Media	2.5 kg tub
MED2016	D12745725	StatMedia™ Soluble Packets	20x5x33.75g
MED2011	D15452596	Hygiena™ Dehydrated Culture Media (BPW)	500g
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**