

# BAX® System

## PCR Assays for *Salmonella* (1 & 2)

The BAX® System PCR assays for *Salmonella* produce clear yes-or-no results for *Salmonella* species with minimal hands-on required. The *Salmonella* 2 assay features all the benefits of the original *Salmonella* assay, along with an added proprietary hot-start technology that helps reduce the effects of human error. Join the growing family of food processors, government agencies and service laboratories that trust the BAX® System for accurate, reliable, easy-to-use *Salmonella* detection in raw ingredients, finished products and processing environments.



### Features & Benefits:

- Clear yes-or-no results in as little as 13 hours for select food samples; 30 hours for environmental surfaces
- Carefully designed primers for target-specific genetic sequences possessed only by the target organisms
- Included internal controls to validate results even in absence of target
- Minimal components and simplified workflows to maximize efficiency and ease-of-use
- Validated to perform as well or better than standard reference methods for listed product types
- Flexible protocols available to meet your unique workflows
- Compatible with other BAX® System assays for efficient processing



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



### Validations, Certifications and Adoptions:

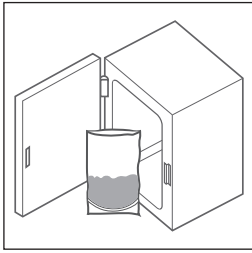
- **AOAC Research Institute**  
Performance Tested Method<sup>SM</sup> #100201  
Validated on frankfurters, chipped ham, cooked chicken, raw ground chicken, peanut butter, alfalfa sprouts, chocolate, nonfat dry milk, black pepper, custard, milk (2%), liquid egg, cream cheese, chilled ready to eat meal, cooked fish, prawns, elbow macaroni, pizza dough, soy protein flour, frozen peas, orange juice, dry pet food, environmental surfaces (ceramic tile, epoxy coated floor tile, plastic, stainless steel), ground beef, beef trim, spinach and lettuce
- **AOAC International**  
Official Method #2003.09
- **USDA-FSIS Adopted. See MLG 4C**
- **NF VALIDATION certificate granted by AFNOR Certification** QUA-18/3-11/02  
(Validation study performed in accordance with EN ISO 16140-2) Certified according to AFNOR validation rules for unseasoned raw meats and poultry, dairy (except powdered milk), raw beef (including seasoned and frozen beef), other raw meat (including seasoned and frozen), other foods and environmentals
- **NordVal Certificate #30** - Certified for use on food, feed and environmental samples
- **Health Canada MFLP-29** - Certified for use on dairy, eggs, meat and poultry, seafood, vegetables and other foods
- **NPIP Approved**

Hygiena Product Code	Legacy Order Code	Description	Quantity
KIT2012	D11000133	BAX® System PCR Assay for <i>Salmonella</i>	96 tests per kit
KIT2011	D14368501	BAX® System PCR Assay for <i>Salmonella</i> 2	96 tests per kit

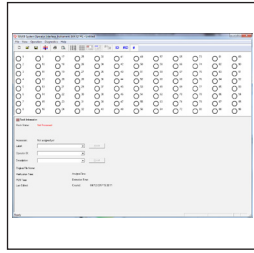


Find support documents, instructional videos, and more at [www.hygiena.com](http://www.hygiena.com)

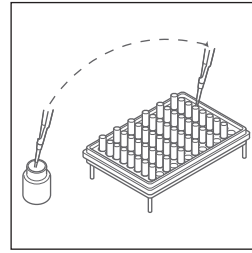
# BAX® System Protocol



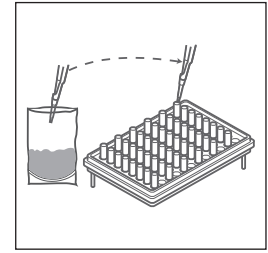
Enrich Samples.



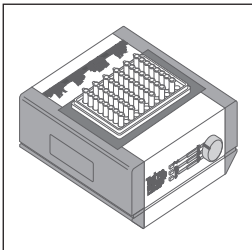
Create rack file and warm up cycler.



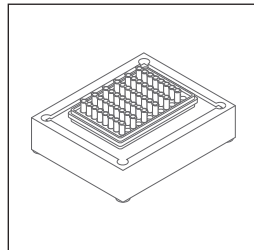
Mix protease with lysis buffer and transfer 200 µL of mixture to cluster tubes.



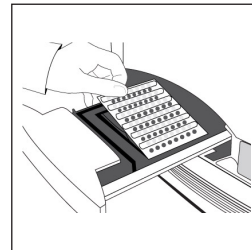
Transfer 5 µL sample enrichment to cluster tubes.



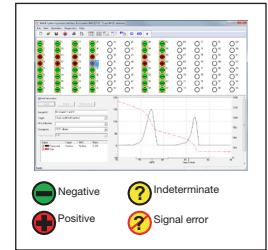
Place samples on automated thermal block for lysis and cooling.



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



Place sealed PCR tubes in cyclor 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 Real-Time PCR Assay for Genus *Listeria*

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

Legacy Order Code	Hygiena Product Code	Description	Quantity
D12404925	MED2003	BAX® System MP Media	2.5 kg tub
D12745725	MED2016	StatMedia™ Soluble Packets	20x5x33.75g
D15452596	MED2011	Hygiena™ Dehydrated Culture Media (BPW)	500 gm
D15131113	KIT2019	BAX® System Real-Time PCR Assay for Genus <i>Listeria</i>	96 tests per kit



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