BAX® System Q7

Real-Time PCR Assay for *Salmonella*

Food processors and associated laboratories around the world use the BAX® System for accurate, reliable *Salmonella* detection in raw ingredients, finished products and environmental samples. Now, the BAX System Real-Time PCR Assay for *Salmonella* provides the same clear, dependable results even faster.

This assay uses real-time PCR technology to reduce processing time to about one hour, helping food companies make product release decisions with speed and confidence.

QUA 18/08 -03/15
Alternative Analytical
Methods for Agribusiness
http://nf-validation.afnor.org/en

PERFORMANCE TESTED AOAC RESEARCH INSTITUTE LICENSE NUMBER 081201

Features & Benefits:

- Clear yes-or-no results in as little as 13 hours for select matrices
- Compatible with other BAX System assays for efficient processing
- Carefully designed primers target specific genetic sequences possessed only by the target organisms
- Internal controls included in every test to validate results even in absence of target
- Minimal components and simplified workflows to maximize efficiency and ease-of-use
- Flexible protocols available to meet your unique workflows

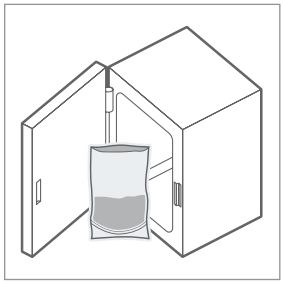
Validations, Certifications and Approvals:

Validated to perform equivalently to standard reference methods for listed product types.

- **AOAC Research Institute**
  Performance Tested Method℠ #081201
  Validated on raw ground beef, ground turkey, ground chicken, poultry carcass rinsates, bagged lettuce, cream cheese, dry pet food, milk chocolate, chocolate liquor, cocoa powder, shell egg, stainless steel surfaces, plastic surfaces, dried cannabis flower, dried hemp flower.
  SalQuant Validated Matrices
  Raw ground chicken, raw ground turkey, whole carcass poultry rinses, fresh raw ground beef, fresh raw ground pork, fresh raw beef trim, fresh raw pork trim, MicroTally® on fresh raw beef trim and MicroTally on fresh, raw pork trim.
  BAX MPN Method
  Whole carcass poultry rinsates, fresh raw beef trim.
- **NF VALIDATION – certificate granted by AFNOR Certification** QUA 18/08 – 03/15
  Meat products, egg products, dairy (except powdered milk), chocolate, vegetables, seafood, pet food, environmental samples and raw beef.
- **AOAC International**
  Official Method of Analysis℠ #2013.02
  Validated on raw meat and poultry, poultry rinsates, dairy, pet food, egg and egg products, environmental surfaces, fruits, spices, produce, ready to eat foods, seafood, peanut butter and cocoa.

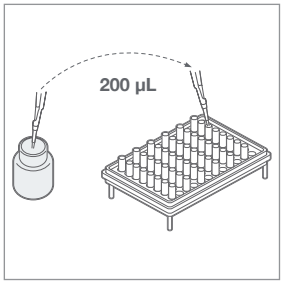
Product No.	Description	Quantity
KIT2006	BAX® System Real-Time PCR Assay for *Salmonella*	96 per kit

BAX System Protocol*

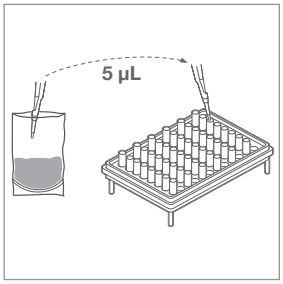


Enrich samples.

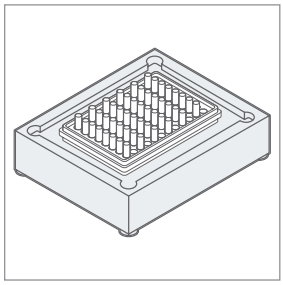
Create rack file and warm up cycler.



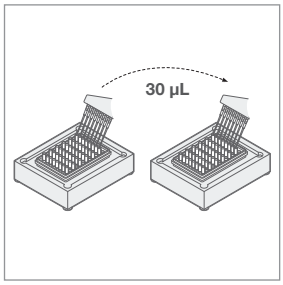
Add protease and lysing agent to lysis buffer bottle, mix then dispense 200 µL of solution into cluster tubes.



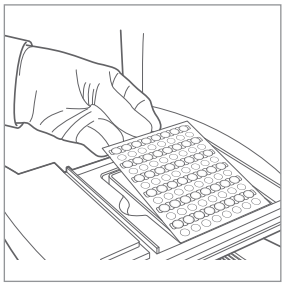
Transfer 5 µL sample enrichment to cluster tubes.



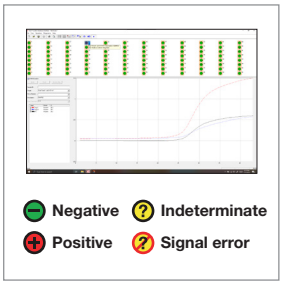
Place samples on automated thermal block for lysis and cooling.



After transferring lysates to PCR tubes in a cooling block, hold for 10-30 minutes.



Place sealed PCR tubes in cycler and immediately click “NEXT” to run program.



Review results.

*Refer to Ready Reference Guide for detailed steps.

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.

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*.

Learn more about SalQuant

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.

Actero™ Elite *Salmonella* Enrichment Media
A selective bacterial culture medium specifically optimized for the recovery of *Salmonella* spp. from environmental and food samples in a single-step enrichment.
(AOAC-RI *PTM*℠ 041403)

Product No.	Description	Quantity
MED2003	BAX® System MP Media	2.5 kg tub
MED2016	StatMedia™ Soluble Packets	20 x 5 x 33.75 g
MED2011	Hygiena® Dehydrated Culture Media (BPW)	500 g
KIT2023	Actero™ Elite *Salmonella* Enrichment Media	64 per kit