



BACGene *Salmonella* spp.

Salmonella is one of the leading causes of foodborne illness worldwide. Detection of this pathogen is essential for consumer protection. The BACGene *Salmonella* spp. real-time PCR detection kit provides fast and reliable results for food and feed products and environmental samples. The BACGene *Salmonella* test kit is suited for high and low throughput testing.

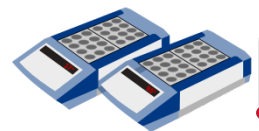
Kit Specifications

- Fast analysis time
 - Single enrichment step
(Sub-sampling of 3-5 h for cocoa matrices)
 - Simple thermal lysis protocol
 - Ready-to-use, pre-dispensed MasterMix
- Internal positive controls
- Validated for big sample volumes
(up to 375g) for defined matrices
- Detection Limit:
1-3 CFU/ 25 g up to 375 g of test portion,
according to the recommended enrichment
- Open platform
- Validated and certified for
 - Agilent AriaMx™
 - Bio-Rad CFX96 Touch™
 - Bio-Rad CFX96 Touch™ Deep Well
- AOAC® PTM certified
- Certified NF Validation by AFNOR Certification



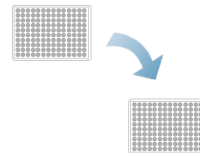
Enrichment & Sampling

- All foods:
16 - 24h at 37°C
- Feed, pet food, infant formula, environmental samples and cocoa containing products:
18 - 24h at 37°C
- Milk and dairy products:
18 - 24h at 41.5°C
- Sub-sampling for cocoa matrices:
3-5h at 41.5°C



Simple Lysis Protocol

- 37°C, 20 min
- 95°C, 10 min



Transfer of Lysates to PCR plate with pre-dispensed MasterMix

- PCR run time
~ 1 h 40 min



Export & Evaluation with BacGene evaluation sheet

- 15 min

AFNOR Certification

The BACGene *Salmonella* spp. kit has a NF Validation certification according to EN ISO 16140 as an alternative method for the detection of *Salmonella*.

The scope includes:

- 25 g samples including
 - Meat and meat products
 - Milk and dairy products
 - Produces (fruit and vegetables)
 - Fish and seafood products
 - Eggs and egg products
 - Feed
- Up to 375 g samples including
 - Pet food
 - Milk powders & infant formula (with and without probiotics)
- Environmental samples

Kit Components

- Lysis plate for sample preparation with caps
- Reagents for sample lysis
- PCR plate with pre-dispensed PCR MasterMix
- Additional optical caps for PCR plate
- Positive PCR control

Ordering Information

Cat. no	Kit
5123221801	BACGene <i>Salmonella</i> spp. for 96 lysis and real-time PCR reactions
5123221810	BACGene <i>Salmonella</i> spp. 10x for 10 x 96 lysis and real-time PCR reactions

AOAC Certification

The BACGene *Salmonella* spp. kits are certified as AOAC® Performance TestedSM method.

The scope includes:

- Fresh raw ground beef (25 g)
- Raw ground beef (375 g)
- Raw ground pork (250 g)
- Marinated raw chicken with brine (250 g)
- Frozen spinach (25 g)
- Pasteurized whole liquid eggs (25 mL)
- Frozen cod fillet (25 g)
- Raw whole milk (25 mL)
- Cocoa containing products (375 g): cocoa butter, cocoa liquor, cocoa crumb, cocoa powder, milk chocolate
- Canned dog food (375 g)
- Dry dog food (25 g)
- Infant formula milk powder supplemented with probiotics (375 g)
- Process water from scalding tank (25 mL)
- Stainless steel environmental surface (1" x 1" area)
- Cotton cloths for swabbing 100 cm² of pork carcasses

Further Kits in This Field

- **BACGene *Listeria* Multiplex**
kit for 96 lysis and real-time PCR reactions for multiplex detection of *Listeria* spp. and *Listeria monocytogenes*.
- **BACGene *Listeria monocytogenes***
kit for 96 lysis and real-time PCR reactions for detection of *Listeria monocytogenes*.
- **BACGene *Listeria* spp.**
kit for 96 lysis and real-time PCR reactions for detection of *Listeria* spp.