Salmonella Detection Kits

For safer food – BIOTECON Diagnostics – simply builds up trust!

The genus Salmonella, member of the Enterobacteriaceae family, is comprised of the two species S. enterica and S. bongori. The genus is subdivided into more than 2500 serovars, and most, if not all, of these serovars are considered pathogenic to animals and humans. Salmonella are transmitted by eating contaminated food, such as beef, poultry, milk, eggs or vegetables.

The foodproof® Salmonella Detection Kits are based on real-time PCR technology, which is well-established in the food industry as a highly sensitive and specific detection method. The foodproof® Salmonella Enteritidis & Typhimurium Detection LyoKit enables the identification of both serotypes in one single assay.

Fast: 24 h to result with < 30 min of hands-on time

Safe: Prevention of false-negative results by internal control and prevention of carry-over contamination using Uracil-N-Glycosylase

Sensitive: Validated to detect 1–10 cfu/25 g sample, including enrichment

Easy: Convenient, complete solution, including DNA extraction and real-time PCR analysis

Experienced: Manufacturer of PCR-based rapid tests for the food industry since 1998 with an ISO 17025 accredited service lab

Licensed: Fully licensed technology

Best Specificity
100% Inclusivity
- > 700 Salmonella strains tested, including representatives of all species, subspecies and serogroups

100% Exclusivity
- > 60 strains tested, including closely related organisms and microorganisms of the same habitat

Matrices
All relevant food matrices tested, including spices, minced meat, confectionary, pet food, environmental and primary production samples

Approvals

Supplied by:

Oxford BioSystems
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Workflow

Enrichment

Start

DNA Extraction

approx. 20 min

PCR Setup

approx. 10 min

Real-time PCR Run

60 min - 100 min

DNA Extraction

foodproof® ShortPrep I Kit &
foodproof® StarPrep One Kit
- enable the extraction of
Salmonella DNA from food
sample enrichments

Instrument Compatibility

- LightCycler
- 5' Nuclease / TaqMan®
cycler (e.g. PikoReal 24,
Mx3005P, CFX96, ABI 7500)

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Salmonella Detection Kits

R 302 27 foodproof® Salmonella Detection Kit (5' Nuclease)
R 310 27 foodproof® Salmonella Detection Kit (LC 1.x, 2.0, 480)
R 602 27 foodproof® Salmonella Detection LyoKit (5' Nuclease)
R 602 34 foodproof® Salmonella Enteritidis & Typhimurium Detection LyoKit (5' Nuclease)

Specific DNA Extraction Kits

S 400 01 foodproof® ShortPrep I Kit - rapid purification
S 400 04 foodproof® Sample Preparation Kit I - high quality column purification
S 400 07 foodproof® StarPrep One Kit - bulk purification
S 400 11 L foodproof® Magnetic Preparation Kit I - automated purification

NEW LyoKits!

- Convenient, lyophilized,
  pre-filled reaction mix
- With internal amplification control
  and our proven UNG-System
- Easy storage

Storage at -15 °C to -25 °C
NEW! LyoKits storage at 2 °C to 8 °C
96 Reactions with final volume of 20 or 25 µl

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The above mentioned real-time PCR instruments are registered trademarks of their respective holders.