

A T C A T C G T A T C C A T C C C T A T C C A T C C C T
T C A T C C C T A T C G C T T C C A T C T G C T T C A
A T C T T C A T C C G T A T C T G C T T C C A T C T G C T
C C A T T T C A T C C G T A T C
G C T T C C A T C C C T A T C G C
T C A T C C A T C C C T A T C T G C T T C C A T C T G C T



BIOTECON Diagnostics

foodproof®

Salmonella Detection Kits

Hybridization and Hydrolysis Probes

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



MICROVAL

European validation and certification organisation

A T C A T C G T A T C C A T C C C T A T C C A T C C C T
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 T C A T C C A T C C C T A T C T G C T T C C A T C T G C T



BIOTECON Diagnostics

Workflow



Enrichment
Start



DNA Extraction
approx. 20 min



PCR Setup
approx. 10 min



Real-time PCR Run
60 min - 100 min

Analysis Results in < 2,5 h

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

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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