Matrices

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

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

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
**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**

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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

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**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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**BIOTECON Diagnostics GmbH**

Hermannswerder 17
14473 Potsdam
Germany

Phone: +49 (0)331-2300-200
Fax: +49 (0)331-2300-299

bcd@bc-diagnostics.com
www.bc-diagnostics.com

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**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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**foodproof®** is a registered trademark of BIOTECON Diagnostics.

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