Listeria are rod-shaped, Gram-positive, nonspore-forming bacteria. They cause listeriosis, a rare but lethal foodborne infection. Listeria are transmitted through contaminated food which is often of animal origin, such as raw milk cheeses, poultry, raw and cooked fish, but also by raw fruit and vegetables. Generally, they are very resistant to stress and able to grow at temperatures ranging from 4 °C to 37 °C.

The foodproof® Listeria Genus 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.

**Fast:** 24 h to result with < 40 min of hands-on time. New rapid enrichment media reduces the enrichment time to max. 22 h

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

**Easy:** Convenient, complete solution included 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

**Sensitive:** 1-10 cfu/25 g sample, including enrichment
Workflow

**Listeria Genus Detection Kits**
- R 300 20 foodproof® Listeria Genus Detection Kit (LC 1.x, 2.0)
- R 302 20 foodproof® Listeria Genus Detection Kit (5’ Nuclease)
- R 602 20 foodproof® Listeria Genus Detection LyoKit (5’ Nuclease)

**Specific DNA Extraction Kits**
- S 400 02 foodproof® ShortPrep® II Kit - rapid extraction
- S 400 05 foodproof® Sample Preparation Kit II - high quality column purification
- S 400 08 foodproof® StarPrep Two Kit - bulk extraction
- S 400 12 L foodproof® Magnetic Preparation Kit II - automated purification

**Enrichment Media**
- Z 800 01 foodproof® Listeria StarBroth

**DNA Extraction (approx. 30 min)**
- E.g. foodproof® ShortPrep II Kit enables the extraction of Listeria DNA from food matrix enrichments

**Instrument Compatibility**
- LightCycler®
- 5’Nuclease / TaqMan® cycler (e.g. CFX96, AriaMX, ABI 7500)

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