

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



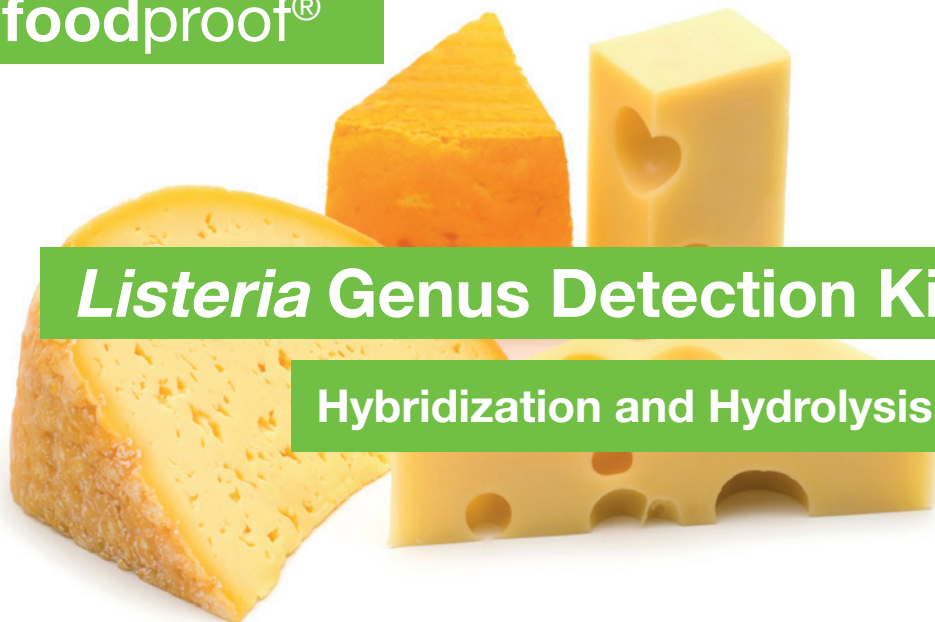
BIOTECON

Diagnos

foodproof®

Listeria Genus Detection Kits

Hybridization and Hydrolysis Probes



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

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 the real-time PCR technology, which is well-established in the food industry as a highly sensitive and specific detection method.

Fast: 24-48 h to result with < 40 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: 1 -10 cfu/25 g sample, including enrichment

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

Licensed: Fully licensed technology

Best Specificity

100% Inclusivity

A total of 105 *Listeria* strains of 7 *Listeria* species tested

100% Exclusivity

56 Strains tested including closely related organisms and microorganisms of the same habitat

Matrices

> 25 tested food samples, including critical matrices like raw milk, cheese, ground meat and environmental samples

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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 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



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foodproof®

Workflow



Start

Enrichment

30 min

DNA Extraction

10 min

PCR Set-up

60 min

PCR run

10 min

Analysis

110 min Total

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)

Specific DNA Extraction Kits

S 400 02 foodproof® ShortPrep® II Kit

S 400 05 foodproof® Sample Preparation Kit II

S 400 08 foodproof® StarPrep Two Kit

S 400 12 L foodproof® Magnetic Preparation Kit II



Storage at -15 °C to -25 °C

96 Reactions with a final volume of 20 or 25 µl

DNA Extraction (ca. 30 min)

foodproof® ShortPrep II Kit enables the extraction of *Listeria* DNA from food matrix enrichments

Instrument Compatibility

- All LightCycler®
- 5' Nuclease / TaqMan® cyclers (e.g. Mx3005P, ABI 7500, CFX96)

BIOTECON Diagnostics GmbH

Hermannswerder 17
 14473 Potsdam
 Germany

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

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