

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



BIOTEC CON Diagnostics

foodproof®



Pathogen Detection Kits

Hydrolysis Probes

For safer food – BIOTEC CON Diagnostics – simply builds up trust!

Bacterial toxins, such as produced by *Bacillus* spp., *Clostridium* spp., *Staphylococcus* spp., for example, can cause damage to the host by destroying cells or disrupting normal cellular metabolism. Both Gram negative and Gram positive bacteria produce highly potent toxins and constitute a potential health risk in food products. Consequently, the need for a rapid, accurate and sensitive detection method is a major food safety issue.

The **foodproof® SL pathogen detection product line** includes a range of rare parameters. All kits provide qualitative detection of pathogens in food and feed, based on real-time PCR technology.

Fast: < 3 h to result with ≤ 60 min hands-on time

Safe: Prevention of false-negative results by internal control

Easy: Convenient real-time PCR kit including gene-specific primer and probe, reagent and control

Specificity

100% exclusivity for non-target DNAs

Sensitivity

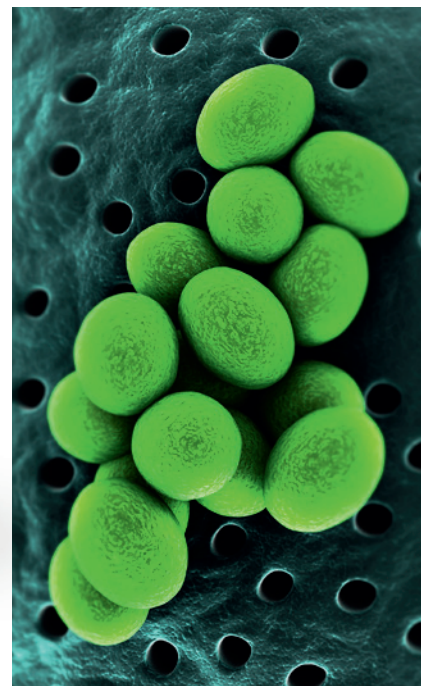
Limit of detection: 10 - 100 GE

Matrices

Multiple matrices including food, feed and environmental samples

Parameters

Bacillus cereus, *Clostridium perfringens*, *Staphylococcus aureus*, *Legionella pneumophila*



Workflow



foodproof® SL Pathogen Detection Kits

- Z 700 05 foodproof® SL *Staphylococcus aureus* Detection Kit
- Z 700 06 foodproof® SL *Bacillus cereus* Detection Kit
- Z 700 08 foodproof® SL *Clostridium perfringens* Detection Kit
- Z 700 09 foodproof® SL *Legionella pneumophila* Detection Kit

Specific DNA Extraction Kits

- S 400 08 foodproof® StarPrep Two Kit - bulk purification



Storage at -15 °C to -25 °C
50 Reactions with a final volume of 20 µl

DNA Extraction

foodproof® StarPrep Two

- fast and flexible DNA extraction from food and beverages

Instrument Compatibility

- The foodproof® SL 5'Nuclease kits are available for qPCR platforms using TaqMan® technology

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