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

Yersinia is a genus of Gram-negative bacillus-shaped bacteria belonging to the family of Enterobacteriaceae. Yersinia enterocolitica and Yersinia pseudotuberculosis infections cause the disease yersiniosis, which is an animal-borne disease occurring in humans and some mammals. Yersiniosis is, after infections by Salmonella and Campylobacter, the most common bacterial gastrointestinal disease. The biggest risk factor is the consumption of raw pig products, like ground pork or minced meat.

With the foodproof® Yersinia enterocolitica and Yersinia pseudotuberculosis Detection Kit the two pathogenic species can be detected and identified within a short time. The Yersinia Kit is 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 including enrichment, with approx. 45 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:** Detects $10^3$-$10^4$ cfu/enriched food sample

**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

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**Specificity**
- Highest inclusivity and exclusivity
- According to ISO 18867

**Matrices**
- Relevant food matrices tested, including minced meat, other pork meat, vegetables

**Identification of Species**
- FAM: Y. enterocolitica
- HEX: Y. pseudotuberculosis
- ROX: Internal Control
**Workflow**

- **Start**
  - Enrichment (24 h ± 2 h)
- **DNA Extraction**
  - approx. 30 min
- **PCR Setup**
  - approx. 10 min
- **Real-time PCR Run**
  - 90 min

*Analysis Results in 24 h* *(including enrichment)*

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**Yersinia Detection Kit**

F 302 53  
foodproof® *Yersinia enterocolitica* and *Yersinia pseudotuberculosis*  
Detection Kit

**Specific DNA Extraction Kit**

S 400 07  
foodproof® StarPrep One Kit - bulk purification

**DNA Extraction**

foodproof® StarPrep One Kit enables the fast extraction of Yersinia DNA from food matrix enrichments

**Instrument Compatibility**

- LightCycler 480 II, LC 96  
  - Mx3005P, CFX96, ABI 7500

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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.*