



## foodproof® **Yersinia Detection Kit**

*Yersinia* is a genus of Gram-negative rod-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 the third most common bacterial gastrointestinal disease, just below the number of infections from *Salmonella* and *Campylobacter*. The biggest risk factor is the consumption of raw pig products, like ground pork or minced meat.

With the **foodproof *Yersinia enterocolitica* and *pseudotuberculosis* Detection Kit**, the two food-relevant 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:** Results in 24 h (including enrichment) with ~45 min of preparation 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.

### **Specificity**

Highest inclusivity and exclusivity, according to ISO 18867.

### **Matrices**

Relevant food matrices tested, including minced meat, other pork meat, vegetables.

### **Identification of Species**

**In three channels:**

FAM: *Y. enterocolitica*

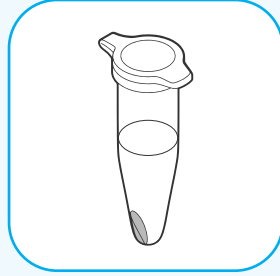
HEX: *Y. pseudotuberculosis*

ROX: Internal Control

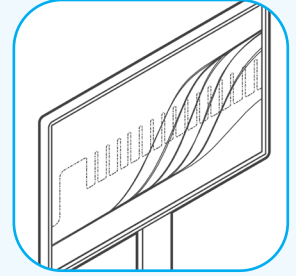
## Workflow



**Enrichment**  
24 h ± 2 h



**DNA Extraction**  
Approx. 30 min



**Real-Time PCR**  
90 min

## DNA Extraction Kit

**foodproof® StarPrep® One Kit**  
KIT 2301 75

**Tests**

96

## DNA Extraction

**foodproof StarPrep One Kit**  
Enables the fast extraction of *Yersinia* DNA from food matrix enrichments.

## Real-Time PCR Kit

**foodproof® *Yersinia enterocolitica* and *pseudotuberculosis* Detection Kit**  
KIT 2300 18

**Tests**

64

## Instrument Compatibility

e.g., Dualo 32® R<sup>2</sup>, LightCycler® 480, LightCycler® 96, AriaMx, Bio-Rad CFX96™, Applied Biosystems™ 7500 Fast, QuantStudio™  
Other cyclers on request.



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