

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

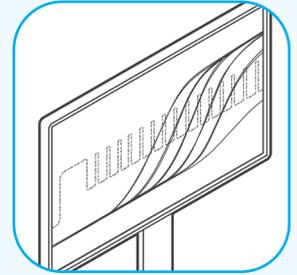
Workflow



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® R², LightCycler® 480, LightCycler® 96, AriaMx, Bio-Rad CFX96™, Applied Biosystems™ 7500 Fast, QuantStudio™
Other cyclers on request.



Hygiena®

Camarillo, CA 93012
USA

www.hygiena.com
diagnostics.support@hygiena.com