

foodproof®

Campylobacter Quantification Kit

The genus *Campylobacter* is a group of spiral-shaped bacteria which comprises more than 20 species. *Campylobacter* is one of the most common bacterial causes of diarrheal illness in humans. Up to 90 percent of all infections are caused by *C. jejuni* and about 10 to 20 percent by *C. coli*, but other species can also cause disease. In addition, Guillain-Barré syndrome occurs more frequently after infections with *Campylobacter jejuni*. In most of the cases, the bacteria are transmitted by food (mainly raw poultry and raw milk products), but also by surface water contaminated with feces. The **foodproof *Campylobacter* Real-Time PCR Kit** reliably detects thermotolerant *Campylobacter* in food enrichment cultures or precisely quantifies *Campylobacter* in rinse or swab samples. The kit also includes the identification of *C. jejuni* and *C. coli*.

Fast: Results in 2 - 24 h 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: Detects 1-10 CFU/25 g in food samples. Quantification down to 10^3 CFU/mL in rinse samples.

Easy: Convenient, complete solution, including DNA extraction and real-time PCR analysis.

Superior Specificity

100% Inclusivity

218 *Campylobacter* strains of 6 species tested.

100% Exclusivity

60 strains tested, including closely related organisms and microorganisms of the same environmental habitat.

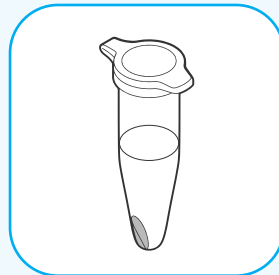
Matrices

All relevant food matrices tested, including poultry, fish, cheese and environmental samples.

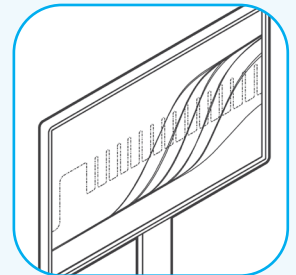
Workflow



**Enrichment or
rinse sample**



DNA Extraction
approx. 30 min



Real-Time PCR
60 - 100 min

DNA Extraction Kits

foodproof StarPrep® One Kit
KIT230175

Tests

100

DNA Extraction

foodproof StarPrep One Kit enables the extraction of *Campylobacter* DNA from food enrichment cultures or direct rinse or swab samples.

Real-Time PCR Kits

foodproof Campylobacter Quantification Kit
KIT230041

Tests

96

Instrument Compatibility

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



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