

**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.

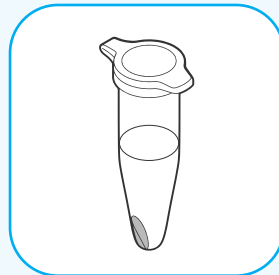
### **Matrices**

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

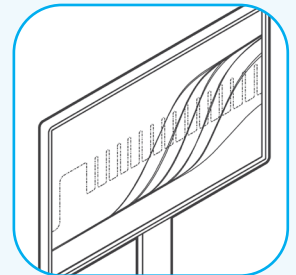
## Workflow



**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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