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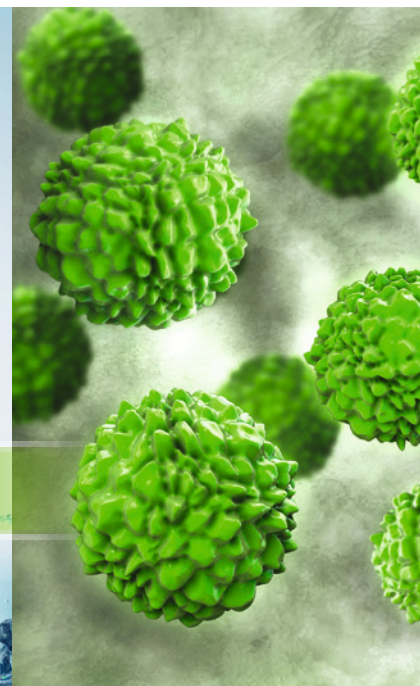


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Diagnostics

foodproof®



Norovirus Detection Kit (GI, GII)

RT-PCR Multiplex Assay

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

Norovirus is an ubiquitous pathogen that causes gastroenteritis worldwide. The pathogen is a RNA virus belonging to the virus family *Caliciviridae*. As a highly contagious virus, there are often major outbreaks, particularly in facilities such as child daycares, schools or hospitals. Symptoms may include diarrhea, nausea, stomach cramps and vomiting. Severe cases have been reported caused by contaminated fruits, berries, raw vegetable, raw meat, seafood and bottled water.

The **foodproof® Norovirus Detection Kit (GI, GII)** is designed for an one-step real-time reverse transcriptase PCR for the simultaneous, qualitative detection, and differentiation of norovirus of the genogroup I and II and the process control (MS2). Based on primers and probes of the ISO/TS 15216, and the §64 German Food and Feed Code (LFGB), the kit contains an additional phage process control.

Safe: 3 controls included - positive, negative and process control.

Recovery rates: Calculation possible with a four-point-calibration curve.

ISO/TS 15216 - compliance: The Process Control (solution of MS2 phage) has to be added to the start of the sample processing.

Easy: Add 10 µl RNA sample in one step to the mastermix.

RNA extraction kit: Manual or semi-automated (using a vacuum manifold).

Experienced: Manufacturer of PCR based rapid tests for the food industry since 1998 with an ISO 17025 accredited service lab.

Specificity

100% specificity, 11 different virus species have been tested, comprising several virus families with RNA and DNA genomes.

Sensitivity

Limit of detection (LOD) is 10 virus copies per reaction for GI- and GII-RNA.

Matrices

Multiple food matrices tested, including berries, fruits, seafood (incl. Pacific oysters, mussels), minced meat. In addition, stool samples and water tested positive.

