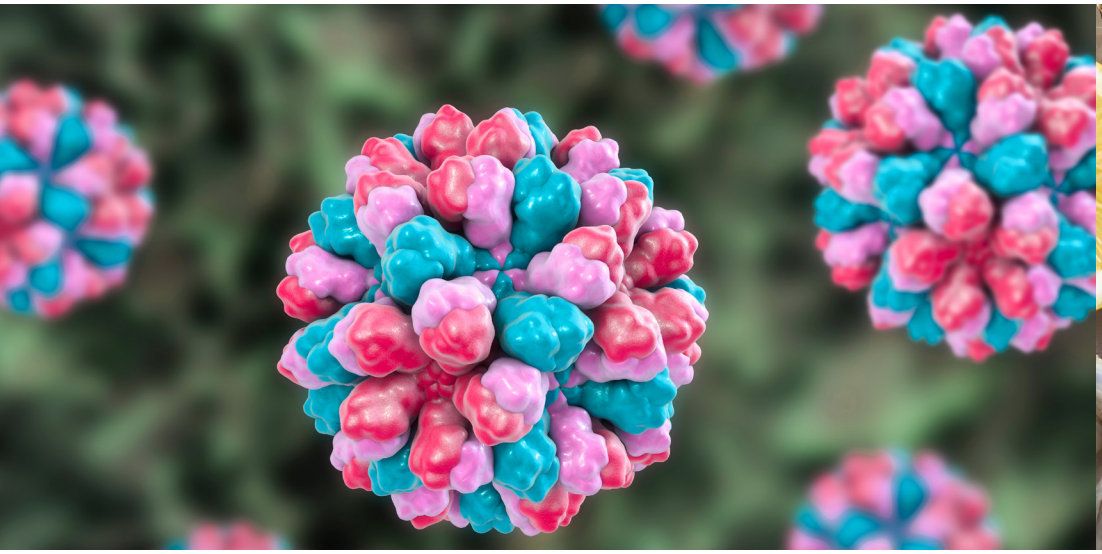


foodproof®

Norovirus (GI, GII) plus Hepatitis A Virus Detection Kit

Food- and waterborne outbreaks involving hepatitis A virus (HAV) and norovirus (NoV) have been linked to different contaminated matrices, including berries, fruits and vegetables, seafood and fish, meat, dairy products and drinking water. Outbreaks are frequently observed in community facilities, such as commercial kitchens and school cafeterias.

The unique, all-in-one, multiplex real-time RT-PCR test, **food**proof Norovirus (GI, GII) plus Hepatitis A Virus Detection Kit allows simultaneous, qualitative detection and differentiation of HAV, NoV (Genogroups I and II) and a process control, the bacteriophage MS2. Both viruses are available separately as detection kits for norovirus GI and GII, and for hepatitis A virus only. Each kit includes a process control, which can be added to the sample. The virus kits allow simple and safe detection of viral RNA and process control for each sample in parallel.

Sensitive: Very high sensitivity, GMO-free MS2 process control can be used for calculation of recovery rate.

Easy: Optimized virus concentration protocols, automated RNA extraction, simple PCR setup and convenient one-step real-time RT PCR.

Cost and Time Savings: Unique all-in-one multiplex detection of norovirus GI, GII and hepatitis A virus.

Robust: Reliable detection of low target amounts in presence of high amounts of other target (mixed infection).

Safe: Validated workflow according to ISO/TS 15216, with all controls included.

Specificity

100% specificity; 10 different virus species have been tested, comprising several virus families with RNA and DNA genomes.

Sensitivity

Limit of detection (LOD): 3 virus copies per reaction for HAV and NoV GI RNA and 10 virus copies per reaction for NoV GII RNA.

Matrices

Multiple food matrices tested, including berries, fruit, minced meat, water and seafood (e.g., Pacific oysters, shrimp, mussels, tuna steaks).

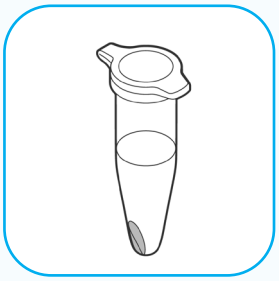
Supported by:

Federal Ministry for Economic Affairs and Energy

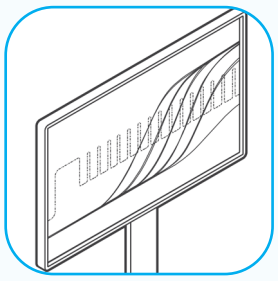
on the basis of a decision by the German Bundestag

Workflow

Virus Concentration
E.g., bottled water, berries or mussels



RNA Extraction
Duration depending on protocol and number of samples



Real-Time PCR
150 min

RNA Extraction Kits

	Tests
Manual	
foodproof Sample Preparation Kit IV KIT 2301 85	50
Automated	
foodproof Magnetic Preparation Kit VI KIT 2301 90	480

Real-Time PCR Kits

	Tests
foodproof Norovirus (GI, GII) plus Hepatitis A Virus Detection Kit KIT 2300 56	64
foodproof Hepatitis A Virus Detection Kit KIT 2300 54	64
foodproof Norovirus Detection Kit (GI, GII) KIT 2300 55	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

KD-NOHA-EN V02.2022