

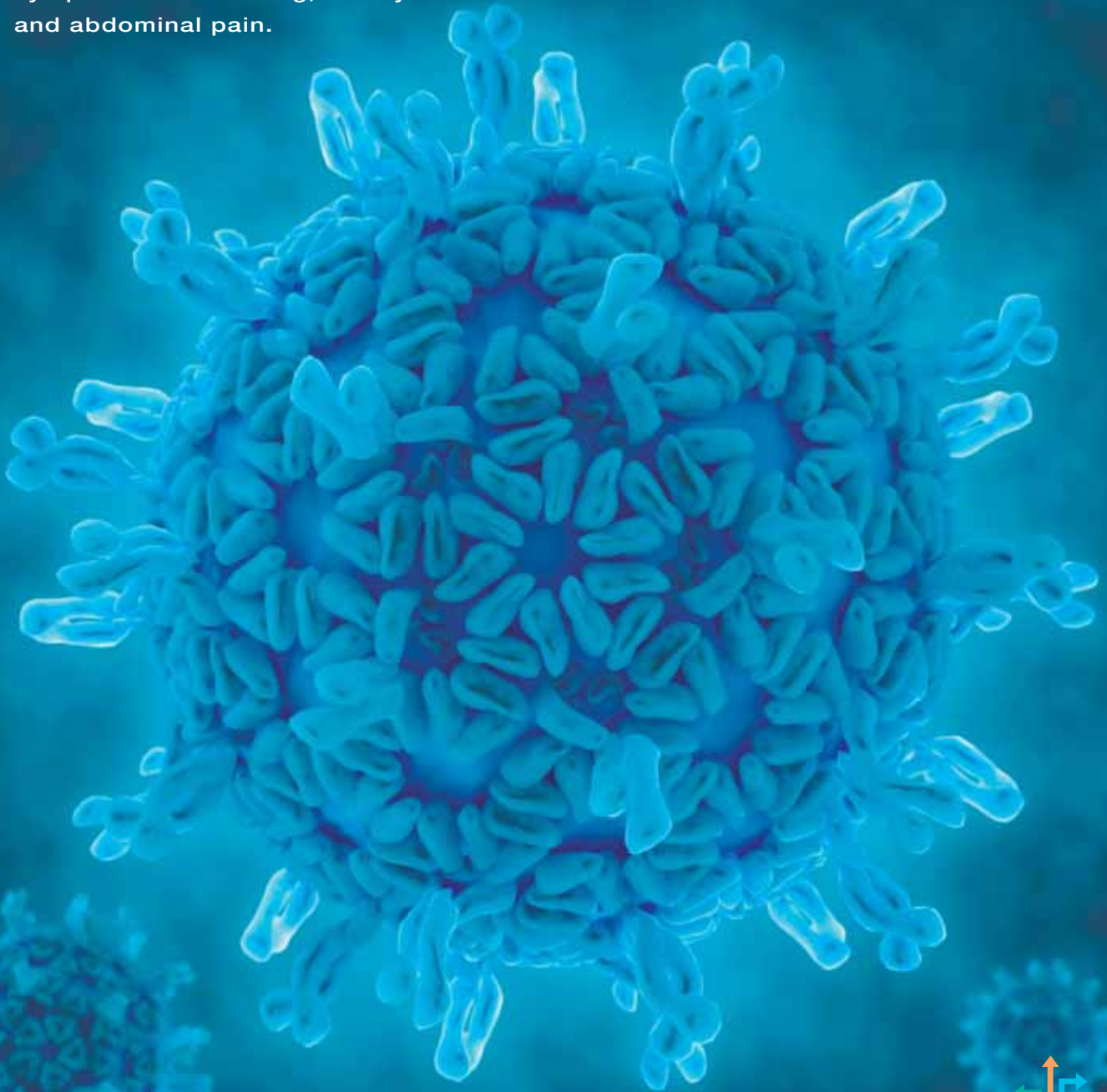
# VIASURE

## Rotavirus Real Time PCR Detection Kit

### Pathogen and product description

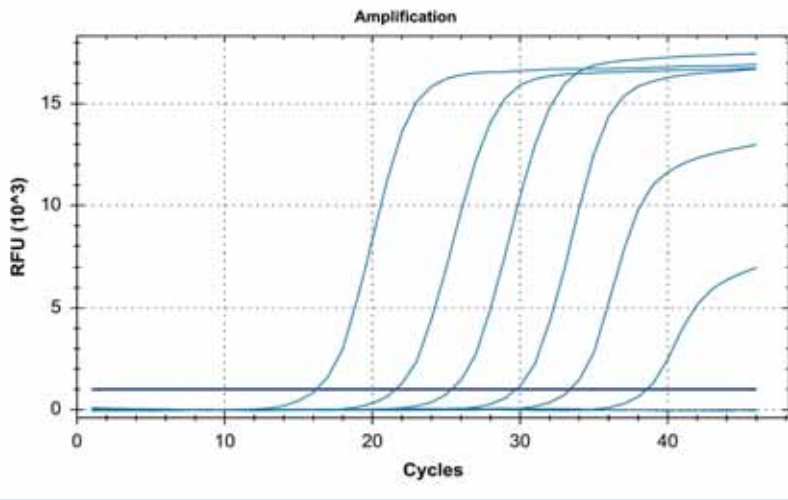
**T**he genus Rotavirus belongs to the *Reoviridae* family of non-enveloped and double-stranded RNA viruses. Seven groups divided to A-G have been identified, even though Rotavirus serogroups A-C are human pathogens and in particular Rotavirus A produces more than 90% of the infections. Typical symptoms are vomiting, watery diarrhea and abdominal pain.

VIASURE *Rotavirus* Real Time PCR Detection Kit is designed for the diagnosis of gastroenteritis caused by Rotavirus in human stool samples. After RNA isolation, the identification of Rotavirus is performed by the use of target specific primers and a fluorescent-labeled probe that hybridizes to a conserved region with the *NSP3* gene.



**Analytical sensitivity**

**VIASURE** Rotavirus Real Time PCR Detection Kit has a detection limit of  $\geq 100$  viral RNA copies per reaction



Dilution series of Rotavirus ( $10^7$ - $10^2$  copies/rxn) template run on the Bio-Rad CFX96 Touch™ Real-Time PCR Detection System

**Components**

Reagent/Material	Description	Quantity
Rotavirus 8-well strips	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	6/12 X 8-well strip
Rotavirus 96-well plate	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	1 plate
Rehydration Buffer	Solution to reconstitute the stabilized product	1 vial x 1,8 mL
Rotavirus Positive Control	Non-infectious synthetic lyophilized DNA	1 vial
Negative Control	Non template control	1 vial x 1 mL
Water RNase/DNase free	Water RNase/DNase free	1 vial x 1 mL
Tear-off 8-cap strips	Optical caps for sealing wells during thermal cycling	6/12 X 8 cap strip
Shell Frame Grid	Shell Frame Grid	1 or 2

**Kit References**

Reference	Description
VS-RTV106L	Viasure Rotavirus Real Time PCR Detection Kit 6 x 8-well strips, low profile
VS-RTV106H	Viasure Rotavirus Real Time PCR Detection Kit 6 x 8-well strips, high profile
VS-RTV112L	Viasure Rotavirus Real Time PCR Detection Kit 12 x 8-well strips, low profile
VS-RTV112H	Viasure Rotavirus Real Time PCR Detection Kit 12 x 8-well strips, high profile
VS-RTV113L	Viasure Rotavirus Real Time PCR Detection Kit 96-well plate, low profile
VS-RTV113H	Viasure Rotavirus Real Time PCR Detection Kit 96-well plate, high profile

**Work Flow**

One-step rehydration of wells and add your extracted RNA viral

