

VIASURE

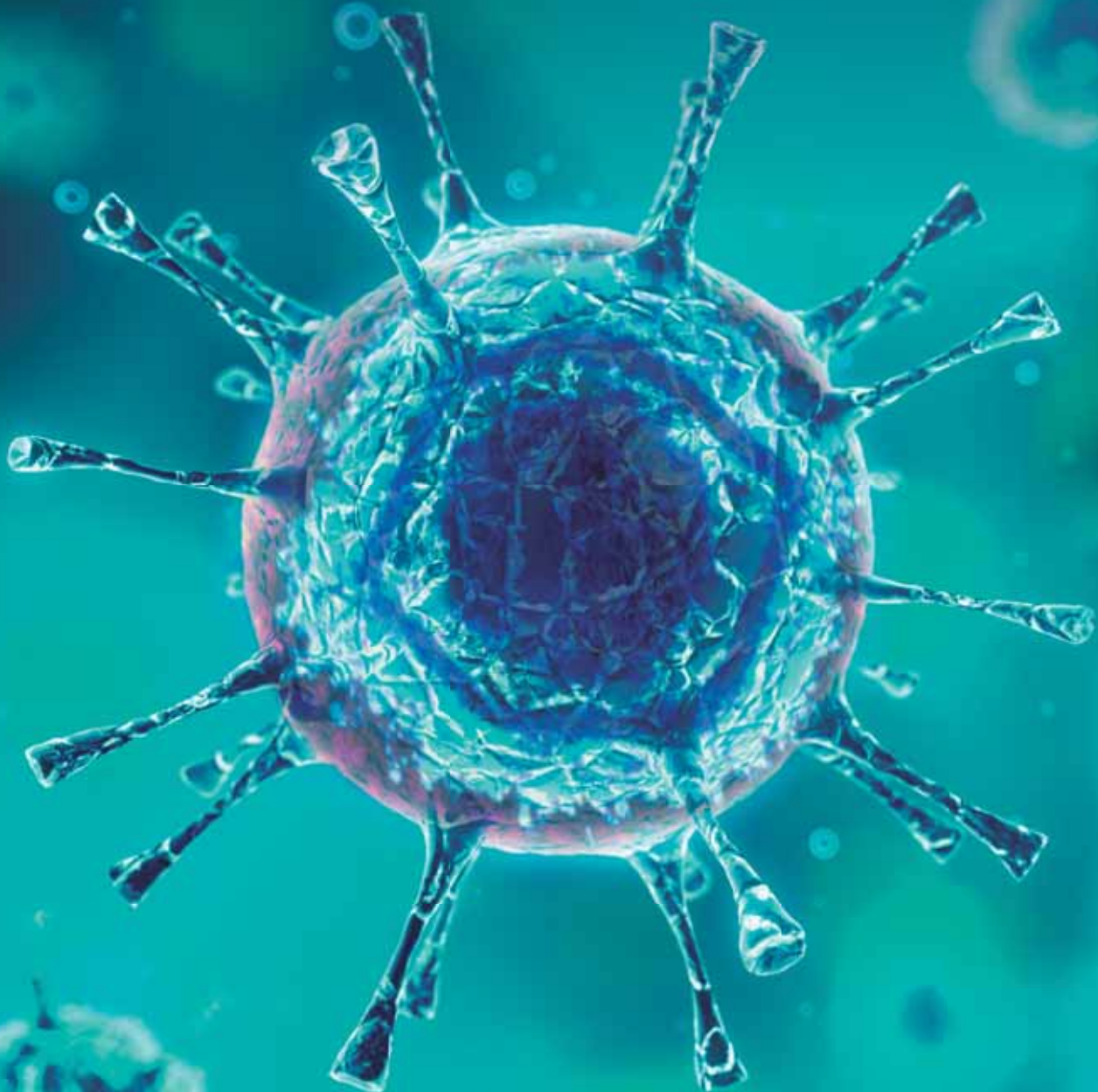
Astrovirus Real Time PCR Detection Kit

Pathogen and product description

Human Astroviruses (HAstVs) belong to the *Astroviridae* family, genus *Mamastrovirus* (MAstV). Classic HAstVs contain 8 serotypes and account for 2 to 9% of all acute nonbacterial gastroenteritis in children worldwide, although infections in healthy adults, elderly people and immunocompromised hosts are also reported. The infection is transmitted essentially through the fecal-oral route, even though food and water may

act as vehicles for human enteric virus transmission.

VIASURE *Astrovirus* Real Time PCR Detection Kit is designed for the diagnosis of gastroenteritis caused by *Astrovirus* in human stool samples. After DNA isolation, the identification of *Astrovirus* is performed by the use of target specific primers and a fluorescent-labeled probe that hybridizes to a conserved region with the genomic region ORF1b.

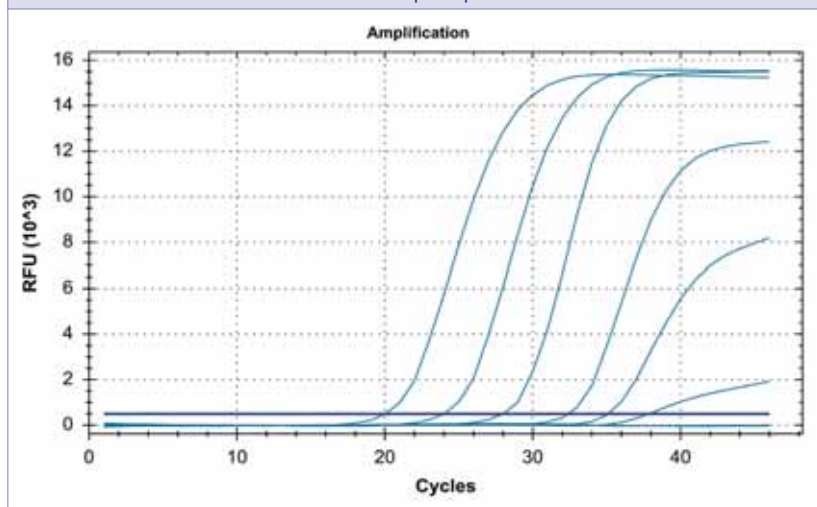


THE REAL ONE STEP qPCR



Analytical sensitivity

VIASURE Astrovirus Real Time PCR Detection Kit has a detection limit of ≥ 100 RNA copies per reaction



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

Components

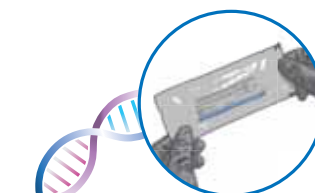
Reagent/Material	Description	Quantity
Astrovirus 8-well strips	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	6/12 X 8-well strip
Astrovirus 96-well plate	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	1 plate
Rehydration Buffer	Solution to reconstitute the stabilized product	1 vial x 1,8 mL
Astrovirus 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-ATV106L	Viasure Astrovirus Real Time PCR Detection Kit 6 x 8-well strips, low profile
VS-ATV106H	Viasure Astrovirus Real Time PCR Detection Kit 6 x 8-well strips, high profile
VS-ATV112L	Viasure Astrovirus Real Time PCR Detection Kit 12 x 8-well strips, low profile
VS-ATV112H	Viasure Astrovirus Real Time PCR Detection Kit 12 x 8-well strips, high profile
VS-ATV113L	Viasure Astrovirus Real Time PCR Detection Kit 96-well plate, low profile
VS-ATV113H	Viasure Astrovirus Real Time PCR Detection Kit 96-well plate, high profile

Work Flow

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



STEP 1

Separate the number of required strips you need



STEP 2

Add 15 μ l of rehydration buffer into each well



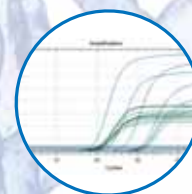
STEP 3

Add 5 μ l of RNA sample / positive control / negative control



STEP 4

Load the strips into the thermocycler and run the specified protocol



STEP 5

Interpretate results



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