VIASURE

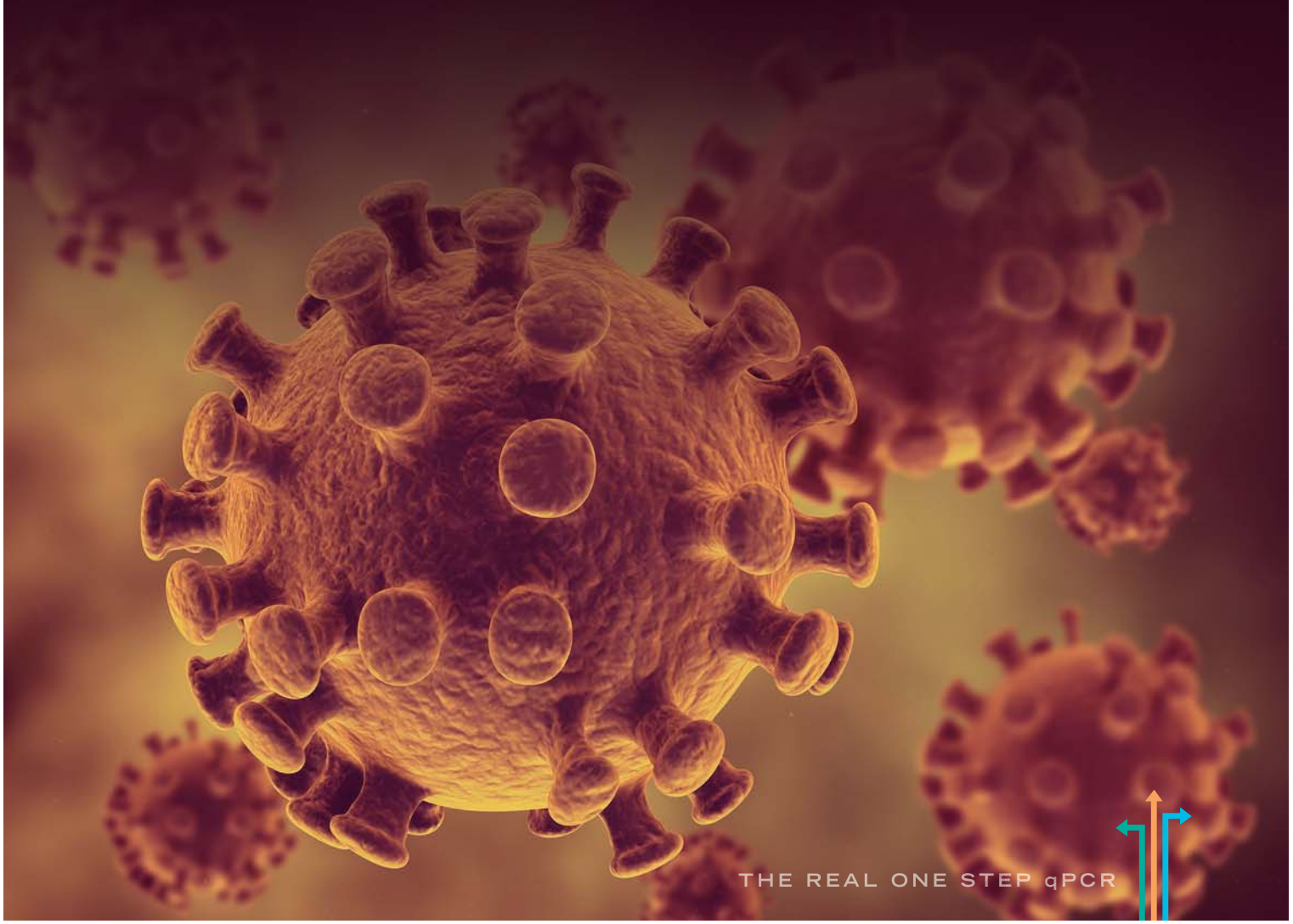
Sapovirus Real Time PCR Detection Kit

Pathogen and product description

Sapoviruses (SaVs), formerly called "Sapporo-like viruses", belong to the family *Caliciviridae* and cause acute gastroenteritis in humans and swine. Sapovirus was first detected in 1977, as the cause of a gastroenteritis outbreak in a home for infants in Sapporo (Japan).

SaV is considered an important cause of gastroenteritis in children under 5 years of age, while it is of minor importance in adults. The clinical symptoms of Sapovirus infection are thought to be milder than symptoms of Norovirus infections, of Norovirus infections, which include mild and/or acute watery diarrhea, stomach cramps, nausea, vomiting, stomach cramps, nausea, vomiting and occasionally fever. SaVs can be transmitted via the fecal-oral route through water and contaminated foods, as well as through person-to-person contact.

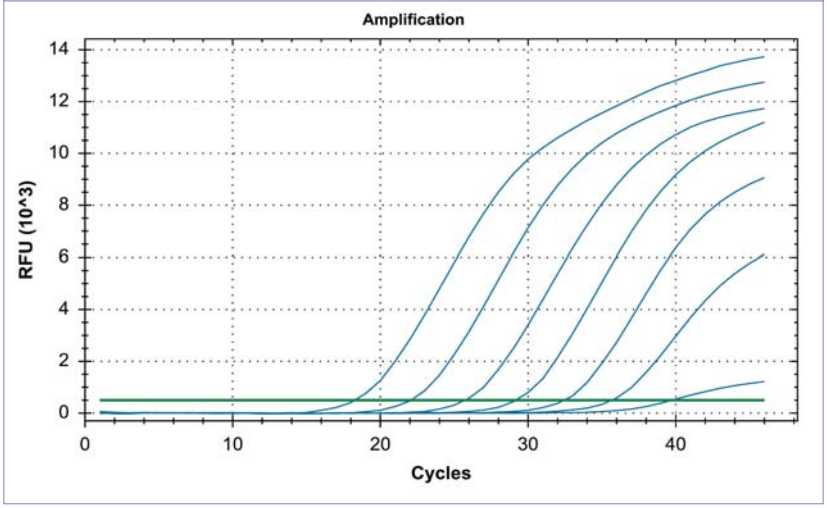
VIASURE *Sapovirus* Real Time PCR Detection Kit is designed for the diagnosis of gastroenteritis caused by Sapovirus in human stool samples. The isolated RNA target is transcribed generating complementary DNA by reverse transcriptase which is followed by Real-Time amplification of target sequence of Sapovirus. Identification of Sapovirus is performed by the use of target specific primers and a fluorescent-labeled probe that hybridizes to a conserved region with the genomic region ORF1.



THE REAL ONE STEP qPCR

Analytical sensitivity

VIASURE *Sapovirus* Real Time PCR Detection Kit has a detection limit of ≥10 viral RNA copies per reaction



Dilution series of Sapovirus (10^7-10^1 copies/rxn) template run on the Bio-Rad CFX96 Touch™ Real-Time PCR Detection System

Components

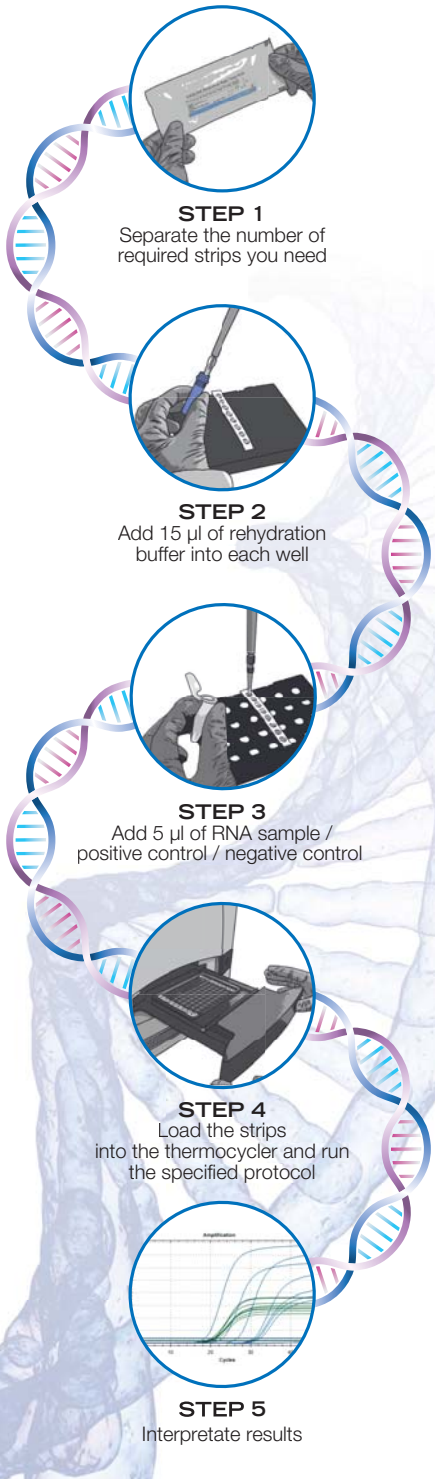
Reagent/Material	Description	Quantity
Sapovirus **8-well strips**	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	6/12 x 8-well strip
Sapovirus **96-well plate**	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	1 plate
Rehydration Buffer	Solution to reconstitute the stabilized product	1 vial x 1,8 mL
Sapovirus **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-SAV106L	Viasure *Sapovirus* Real Time PCR Detection Kit 6 x 8-well strips, low profile
VS-SAV106H	Viasure *Sapovirus* Real Time PCR Detection Kit 6 x 8-well strips, high profile
VS-SAV112L	Viasure *Sapovirus* Real Time PCR Detection Kit 12 x 8-well strips, low profile
VS-SAV112H	Viasure *Sapovirus* Real Time PCR Detection Kit 12 x 8-well strips, high profile
VS-SAV113L	Viasure *Sapovirus* Real Time PCR Detection Kit 96-well plate, low profile
VS-SAV113H	Viasure *Sapovirus* Real Time PCR Detection Kit 96-well plate, high profile

Work Flow

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



STEP 1
Separate the number of required strips you need

STEP 2
Add 15 µl of rehydration buffer into each well

STEP 3
Add 5 µl of RNA sample / positive control / negative control

STEP 4
Load the strips into the thermocycler and run the specified protocol

STEP 5
Interpretate results

JANT PHARMACAL CORPORATION
LABORATORY & POINT OF CARE DIAGNOSTICS

JANT PHARMACAL CORPORATION
16530 Ventura Blvd, Suite 512
Encino, CA 91436
Tel: 800.676.5565
JantDX.com info@JantDX.com

CSQ MED ISO 13485