VIASURE

Bocavirus Real Time PCR Detection Kit

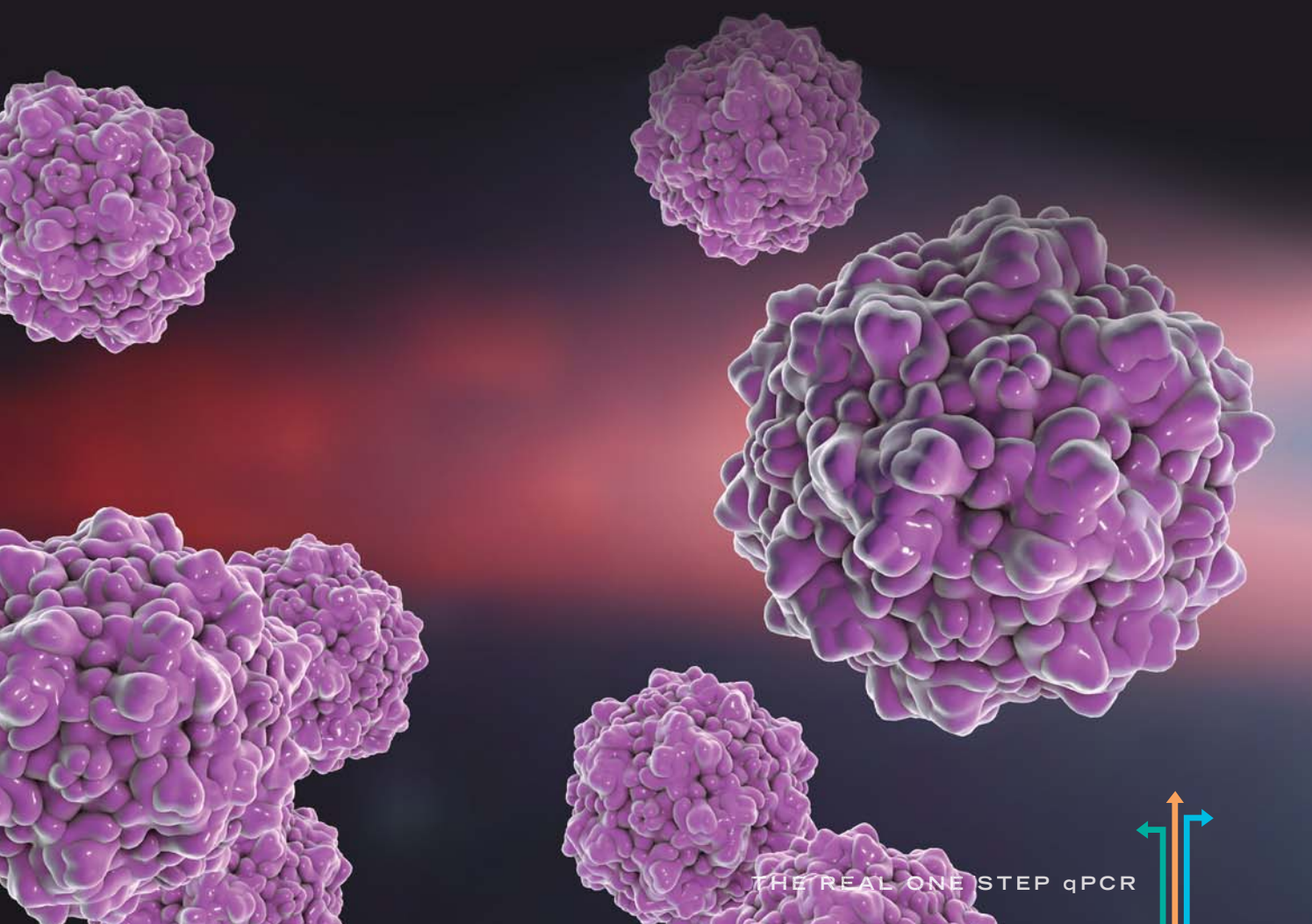
Pathogen and product description

Human Bocaviruses (HBoVs) belong to the *Parvoviridae* family and are believed to be important causative agents of respiratory tract infections in young children.

HBoVs are highly prevalent in co-infections with other pathogens. Clinical manifestations range from mild upper respiratory tract infections to bronchiolitis and lower respiratory tract diseases, such as pneumonia. The common symptoms are fever, cough, acute otitis media, tonsillitis and conjunctivitis, sinusitis and rhinorrhea. HBoVs are transmitted by person-to-person contact.

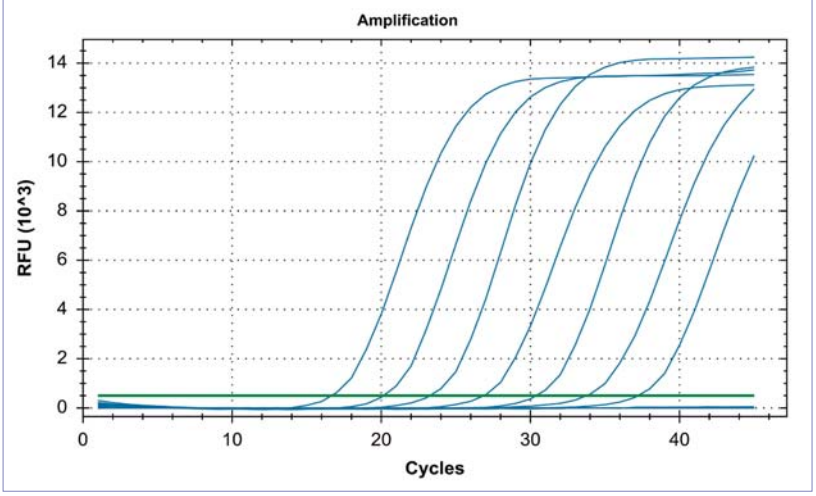
Currently, the methods of detecting HBoV include conventional PCR and Real Time PCR because of the limited success of serological and viral culture techniques. Between them, Real Time PCR assays have been shown to be the most sensitive and specific diagnostic tool.

VIASURE *Bocavirus* Real Time PCR Detection Kit is designed for the diagnosis of human Bocavirus in respiratory samples. After DNA isolation, the identification of human Bocavirus is performed by the amplification of a conserved region of the *NS1* gene using specific primers and a fluorescent-labelled probe.



Analytical sensitivity

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



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

Components

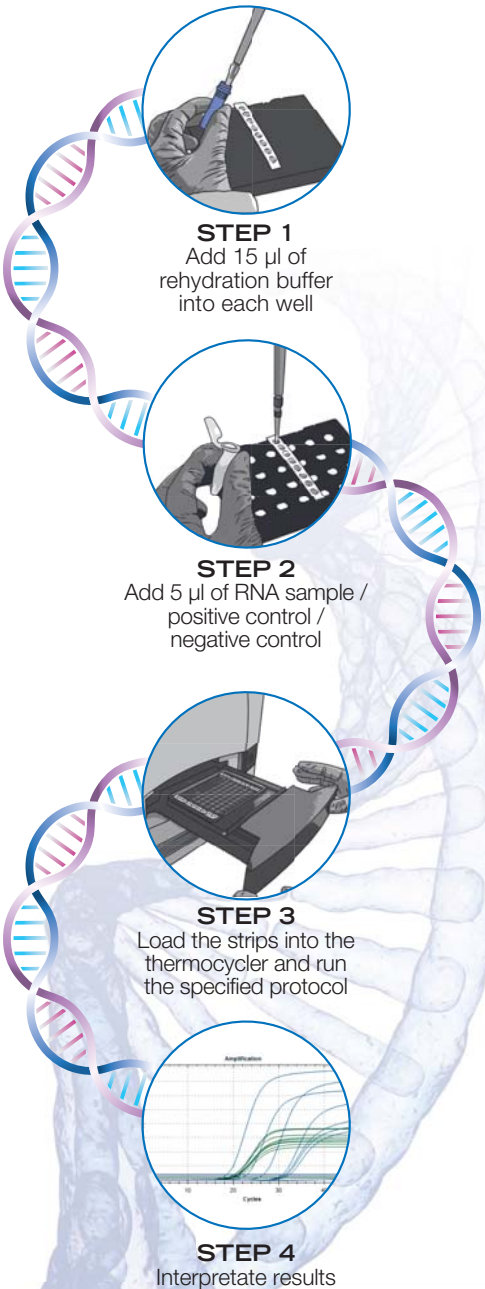
Reagent/Material	Description	Quantity
***Bocavirus* 8-well strips**	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	6/12 x 8-well strip
***Bocavirus* 96-well plate**	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	1 plate
Rehydration Buffer	Solution to reconstitute the stabilized product	1 vial x 1,8 mL
***Bocavirus* Positive Control**	Non-infectious synthetic lyophilized cDNA	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-BVS106L	Viasure *Bocavirus* Real Time PCR Detection Kit 6 x 8-well strips, low profile
VS-BVS106H	Viasure *Bocavirus* Real Time PCR Detection Kit 6 x 8-well strips, high profile
VS-BVS112L	Viasure *Bocavirus* Real Time PCR Detection Kit 12 x 8-well strips, low profile
VS-BVS112H	Viasure *Bocavirus* Real Time PCR Detection Kit 12 x 8-well strips, high profile
VS-BVS113L	Viasure *Bocavirus* Real Time PCR Detection Kit 96-well plate, low profile
VS-BVS113H	Viasure *Bocavirus* Real Time PCR Detection Kit 96-well plate, high profile

Work Flow

One-step rehydration of wells and add your extracted RNA



STEP 1
Add 15 µl of rehydration buffer into each well

STEP 2
Add 5 µl of RNA sample / positive control / negative control

STEP 3
Load the strips into the thermocycler and run the specified protocol

STEP 4
Interpretate results

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