

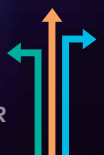
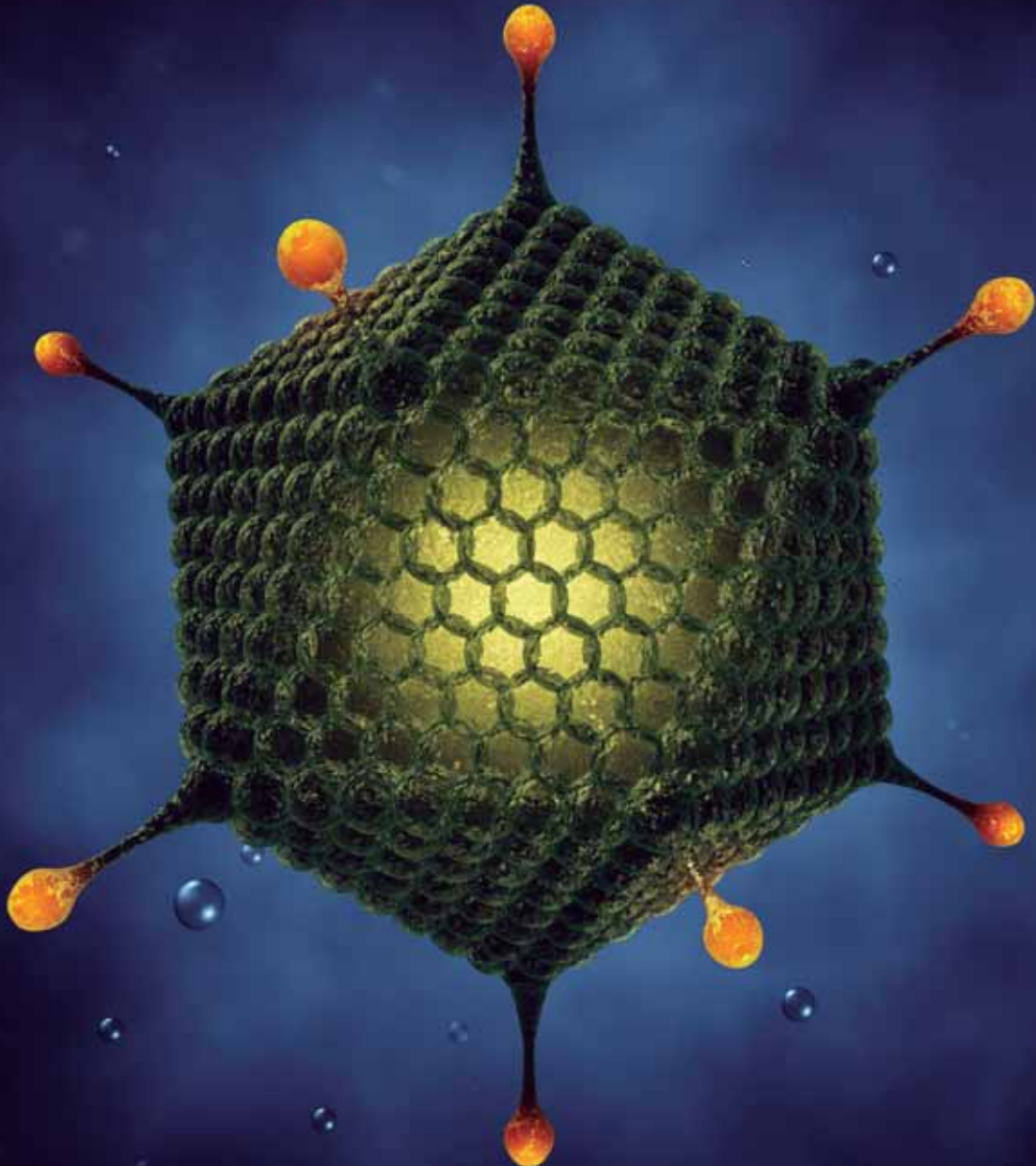
VIASURE

Adenovirus Real Time PCR Detection Kit

Pathogen and product description

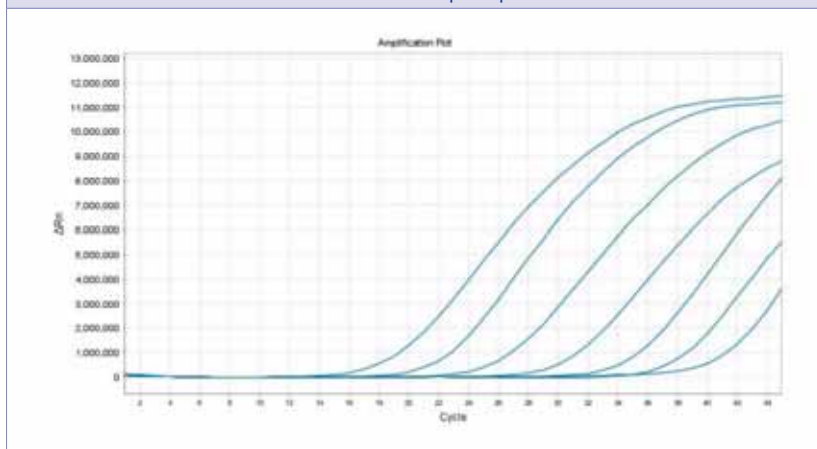
Adenoviruses belong to the *Adenoviridae* family of non-enveloped and double-stranded (dsDNA) viruses. There are 51 immunologically distinct Human Adenovirus (HAdV), even though the serotypes 40 and 41 which belong to specie HAdV-F are mainly cause of gastroenteritis. Nevertheless, the serotypes 1, 2, 5, 6, 12, 18 and 31 are also occasionally associated with acute diarrhea.

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



Analytical sensitivity

VIASURE Adenovirus Real Time PCR Detection Kit has a detection limit of ≥ 50 viral DNA copies per reaction



Dilution series of Adenovirus (10^7 - 10^1 copies/rxn) template run on the Applied Biosystems 7500 Fast Real-Time PCR System

Components

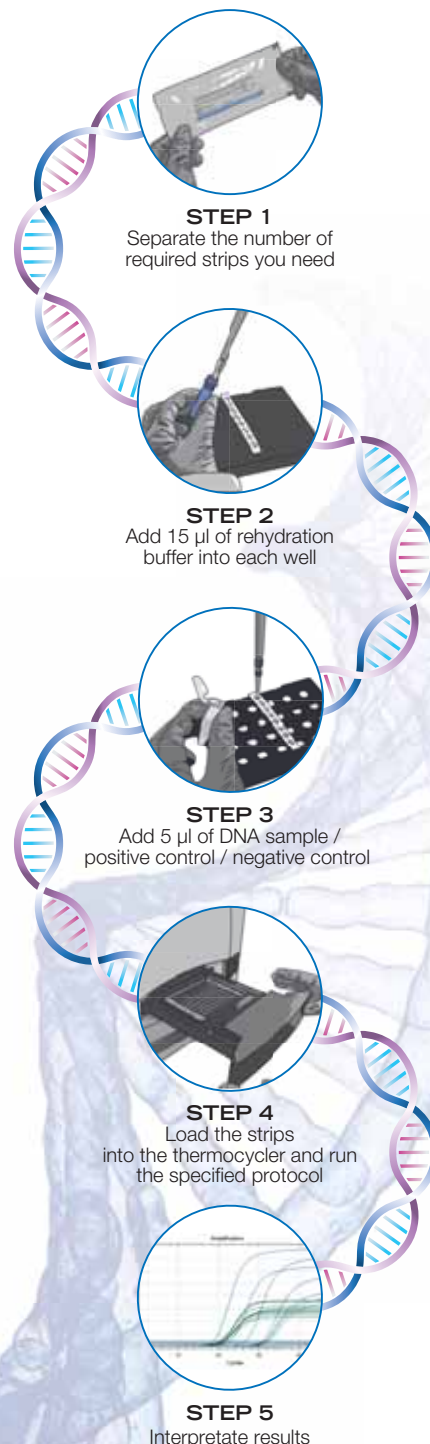
| Reagent/Material | Description | Quantity |
|-----------------------------|--------------------------------------------------------------------------------------------------------|---------------------|
| Adenovirus 8-well strips | A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format | 6/12 X 8-well strip |
| Adenovirus 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 |
| Adenovirus 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-ADV106L | Viasure Adenovirus Real Time PCR Detection Kit 6 x 8-well strips, low profile |
| VS-ADV106H | Viasure Adenovirus Real Time PCR Detection Kit 6 x 8-well strips, high profile |
| VS-ADV112L | Viasure Adenovirus Real Time PCR Detection Kit 12 x 8-well strips, low profile |
| VS-ADV112H | Viasure Adenovirus Real Time PCR Detection Kit 12 x 8-well strips, high profile |
| VS-ADV113L | Viasure Adenovirus Real Time PCR Detection Kit 96-well plate, low profile |
| VS-ADV113H | Viasure Adenovirus Real Time PCR Detection Kit 96-well plate, high profile |

Work Flow

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



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