

# VIASURE PANEL

## Gastrointestinal Panel I Real Time PCR Detection Kit

### Pathogen and product description

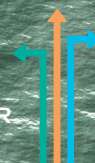
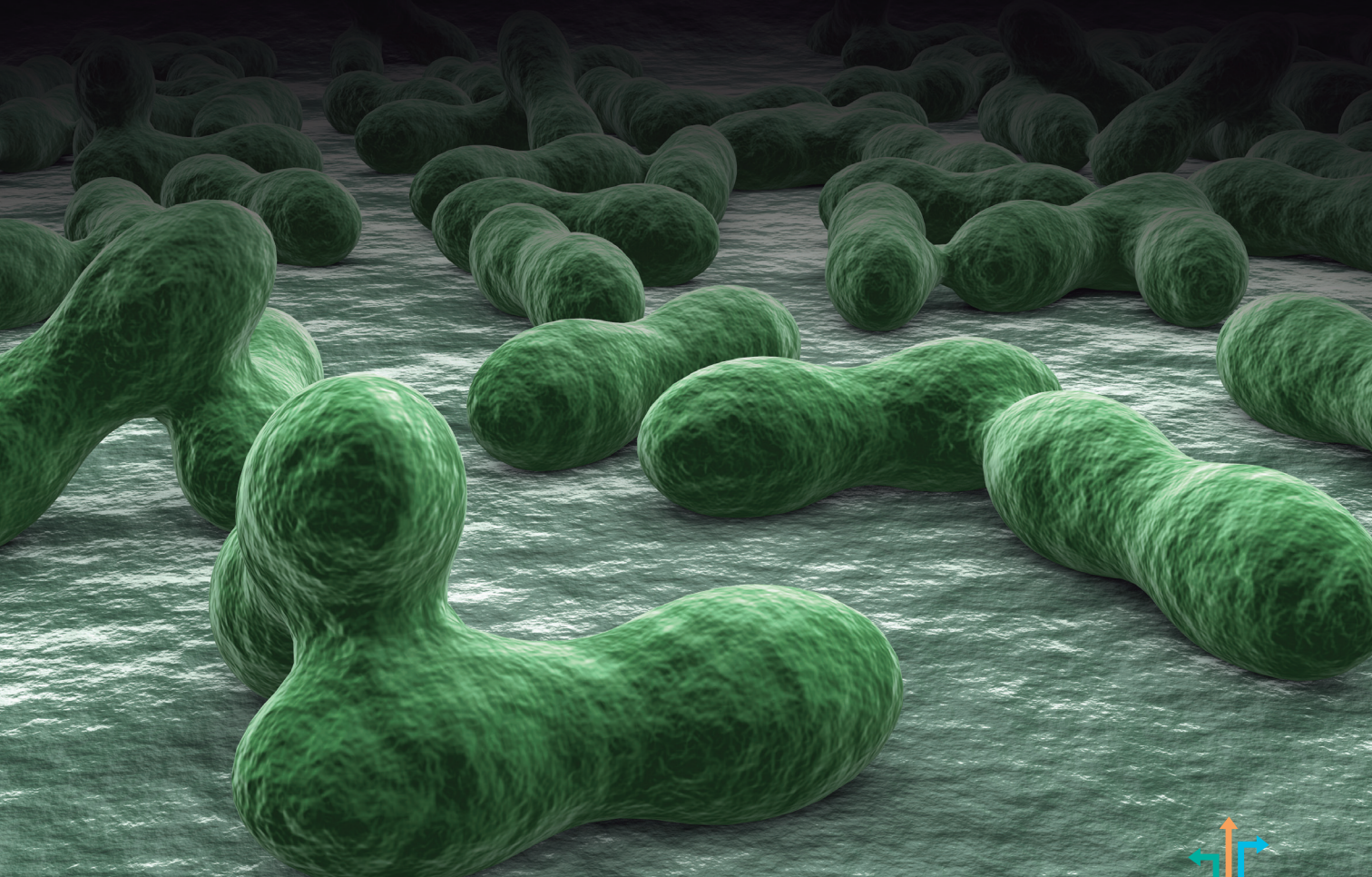
**V**IASURE Gastrointestinal Panel I Real Time PCR Detection Kit is designed for the specific identification and differentiation of *Salmonella*, *Campylobacter* and/or *Yersinia enterocolitica*; *Shigella/EIEC*; *Cryptosporidium*, *Giardia lamblia* and/or *Entamoeba histolytica*; *Norovirus GI* and/or *Norovirus GII (NoV)*; *Rotavirus (RV)*; *Adenovirus (AdV)*; *Astrovirus (AstV)*; and/or *Sapovirus (SaV)* in human stool samples from patients with signs and symptoms of gastrointestinal infection.

This test is intended for use as an aid in the diagnosis of *Salmonella*, *Campylobacter* and/or *Y. enterocolitica*; *Shigella/EIEC*; *Cryptosporidium*, *G. lamblia* and/or *E.*

*histolytica*; *NoV GI* and/or *NoV GII*; *RV*; *AdV*; *AstV*; and/or *SaV* infection in combination with clinical and epidemiological risk factors.

RNA/DNA are extracted from stool specimens, multiplied using Real Time amplification and detected using specific primers and a fluorescent reporter dye probe for *Salmonella*, *Campylobacter* and *Y. enterocolitica*; *Shigella/EIEC*; *Cryptosporidium*, *G. lamblia* and *E. histolytica*; *NoV GI* and/or *NoV GII*; *RV*; *AdV*; *AstV*; and *SaV*

More info through [www.certest.es](http://www.certest.es)





## Analytical sensitivity

VIASURE Gastrointestinal Panel I Real Time PCR Detection Kit has a detection limit of  $\geq 10$  DNA/RNA copies per reaction for *Salmonella*, *Campylobacter* and *Yersinia enterocolitica*; *Shigella/EIEC*; *Giardia lamblia* and *Entamoeba histolytica*; Norovirus GI and Norovirus GII; Rotavirus; Adenovirus; Astrovirus; and Sapovirus.

VIASURE Gastrointestinal Panel I Real Time PCR Detection Kit has a detection limit of  $\geq 50$  DNA copies per reaction for *Cryptosporidium*.

## Components

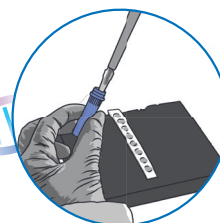
Reference	Reagent/Material	Description	Colour	Quantity
VS-GP01SL/ VS-GP01SH	Gastrointestinal Panel I 8-well strips (Hyperplex reaction)	A mix of enzymes, primers-probes, buffer, dNTPs, stabilizers and Internal control in stabilized format	White	6/12 x 8-well strip
VS-RB02	Rehydration Buffer	Solution to reconstitute the stabilized product	Blue	1 vial x 1,8 mL
VS-GP01C	Gastrointestinal Panel I Positive Control	Non-infectious synthetic lyophilized cDNA/DNA	Red	1 vial
VS-NC1	Negative Control	Non template control	Violet	1 vial x 1 mL
VS-H2O	Water RNase/DNase free	RNase/DNase free water	White	1 vial x 1 mL
VS-OCS	Tear-off 8-cap strips	Optical caps for sealing wells during thermal cycling	Transparent	6/12 x 8-cap strip

## Kit References

Reference	Description
VS-GP0112L	VIASURE Gastrointestinal Panel I Real Time PCR Detection Kit 12 x 8-well strips, low profile
VS-GP0112H	VIASURE Gastrointestinal Panel I Real Time PCR Detection Kit 12 x 8-well strips, high profile
VS-GP0113L	VIASURE Gastrointestinal Panel I Real Time PCR Detection Kit 96-well plate, low profile
VS-GP0113H	VIASURE Gastrointestinal Panel I Real Time PCR Detection Kit 96-well plate, high profile

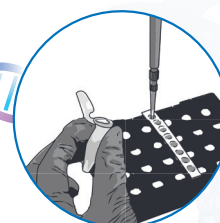
## Work Flow

One-step rehydration of wells and add your extracted DNA



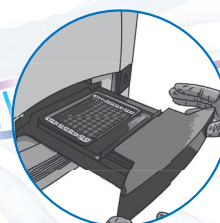
### STEP 1

Add 15  $\mu$ l of rehydration buffer into each well



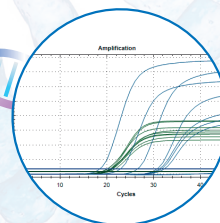
### STEP 2

Add 5  $\mu$ l of DNA sample / positive control / negative control



### STEP 3

Load the strips into the thermocycler and run the specified protocol



### STEP 4

Interpretate results



CERTEST BIOTEC, S.L.  
Pol. Industrial Río Gállego II, Calle J, Nº 1,  
50840, San Mateo de Gállego, Zaragoza (SPAIN)  
[www.cerTEST.es](http://www.cerTEST.es)

