

VERIGENE[®]

The VERIGENE[®] System | Enabling Better Care. Today.

VERIGENE[®] Enteric Pathogens Nucleic Acid Test (EP)



The VERIGENE[®] Enteric Pathogens Nucleic Acid Test (EP) is a multiplexed, qualitative test for simultaneous detection and identification of common pathogenic enteric bacteria and genetic virulence markers from liquid or soft stool preserved in Cary-Blair media.

VERIGENE EP is an easy to use and cost-effective alternative to traditional stool diagnostics that has the potential to deliver clinical, economic and workflow benefits to hospitals and laboratories. Features include:

- Automation with a sample to result system
- An on-demand and scalable workflow
- Fast time to results, with <5 minutes hands-on time and <2.5 hours run time
- Ease of use, with only one pipetting step

The test is performed on the automated VERIGENE System utilizing reverse transcription polymerase chain reaction (RT-PCR) and array hybridization.

“Rapid and accurate detection of gastrointestinal (GI) pathogens is of significant importance so that appropriate therapy can be initiated and proper infection control and epidemiologic measures can be taken to help curb the spread of disease.¹”

Khare R, Espy MJ

VERIGENE[®] EP

Bacteria

Campylobacter Group

Salmonella spp.

Shigella spp.

Vibrio Group

Yersinia enterocolitica

Toxins

Shiga Toxin 1 (*stx1*)

Shiga Toxin 2 (*stx2*)

Viruses

Norovirus (GI/GII)

Rotavirus (Group A)

Performance

VERIGENE® EP Performance vs. Reference Methods (n=1,940)*

Target	Positive Agreement (%)	Negative Agreement (%)
Bacteria		
<i>Campylobacter</i> Group	97.0	99.0
<i>Salmonella</i> spp.	97.3	99.5
<i>Shigella</i> spp.	98.4	99.0
<i>Vibrio</i> Group	91.5	99.9
<i>Yersinia enterocolitica</i>	100	100
Toxins		
Shiga Toxin 1 (<i>stx1</i>)	100	99.6
Shiga Toxin 2 (<i>stx2</i>)	97.3	99.8
Viruses		
Norovirus (GI/GII)	94.8	99.7
Rotavirus (Group A)	96.3	99.9

*Combined results from testing of prospective fresh, prospective frozen, selected and simulated specimens. See VERIGENE EP Package Insert for additional details.

Usage

VERIGENE EP results should not be used as the sole basis for diagnosis, treatment, or other patient management decisions.

Ordering Information

Product Name	Part Number
VERIGENE® Enteric Pathogens Nucleic Acid Test (EP) Kit Includes: 20 EP Test Cartridges 20 Extraction Trays	20-005-023
VERIGENE® Enteric Pathogens Nucleic Acid Test (EP) Amplification Kit Includes: 20 EP Amplification Trays	20-012-023

References

1. Khare R, Espy MJ, Cebelski E. Comparative evaluation of two commercial multiplex panels for detection of gastrointestinal pathogens by use of clinical stool specimens. *J Clin Microbiol* 2014;52(10):3667-73.

Luminex®
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