



Novodiag® Bacterial GE+ Assay

High-performing, fully-automated on-demand testing that enables fast diagnosis of bacterial gastroenteritis.

Easy to use solution with PCR and microarray performance.

The **Novodiag® Bacterial GE+ assay**, performed with the Novodiag System, is a cartridge-based **molecular test** for qualitative detection of **bacterial gastroenteritis**. The test uses **stool samples** from patients (without preservatives or in FecalSwab™)*.

Targets and performances:

Targets	FecalSwab		Stool sample	
	Sensitivity	Specificity	Sensitivity	Specificity
<i>Campylobacter coli</i>	96.2%	100%	100%	100%
<i>Campylobacter jejuni</i>				
<i>Shigella spp./EIEC</i>	100%	100%	100%	99.7%
<i>Salmonella spp.</i>	98.2%	100%	100%	100%
<i>Yersinia enterocolitica</i>	100%	100%	100%	100%
<i>Yersinia pseudotuberculosis/pestis</i>				
EHEC <i>stx1</i>	95.1%	99.8%	93.3%	99.7%
EHEC <i>stx2</i>				
ETEC	98%	99.7%	100%	99%
EPEC	98.3%	99.8%	95.6%	99.6%
EAEC	95.3%	99.9%	96%	99.6%
<i>Vibrio cholerae</i>	100%	100%	100%	100%
<i>Vibrio parahaemolyticus</i>	100%	100%	100%	100%
<i>Clostridium difficile</i> (toxin B gene)	76.5%	99.9%	100%	100%

N= 1967 FecalSwab™, N=304 stool samples

*Copan Italia SpA

EIEC: Enteroinvasive *Escherichia coli*

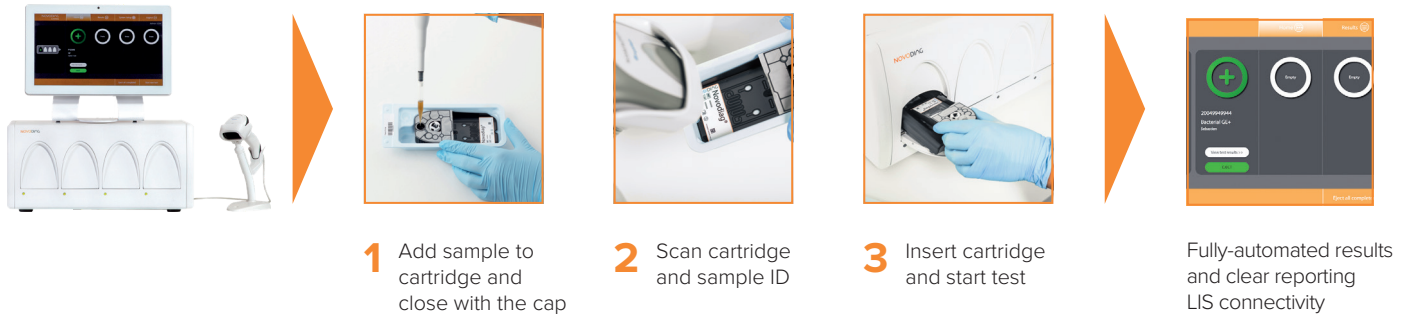
EHEC: Enterohemorrhagic *Escherichia coli*

ETEC: Enterotoxigenic *Escherichia coli*

EPEC: Enteropathogenic *Escherichia coli*

EAEC: Enteraggregative *Escherichia coli*

Designed for a practical workflow



Features	Advantages & Benefits
An accurate detection of pathogenic agents: <ul style="list-style-type: none"> ■ Detects <i>Yersinia virF</i> gene and <i>rumB</i> marker ■ Discriminates EHEC <i>stx1</i> and <i>stx2</i> toxins 	Clinical relevance: <ul style="list-style-type: none"> ■ Identification of <i>Yersinia species</i> (<i>Y. enterocolitica</i>, <i>Y. pestis</i>, <i>Y. pseudotuberculosis</i>,) and <i>Y. enterocolitica</i> strains only if pathogenic ■ <i>stx2</i> is associated with more severe diseases
Results in approx. 1h	Faster diagnosis compared to traditional methods Time and cost effectiveness Improved patient outcome
On-demand testing	Improved workflow and time to results Increased lab revenue
Fully-automated workflow with limited hands-on time, closed system	Better reproducibility, precision and productivity
Easy to use and interpret	Time and labour saving No need for highly trained personnel enabling decentralised testing

Ordering information

Novodiag® Gastrointestinal Assay	Items	Quantity	Catalogue number
Novodiag Bacterial GE+ assay	Integrated sample to result cartridge	12 Tests cartridge	NVD-BGE-012

SMART SIMPLICITY in on-demand testing



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