

# Novaplex™ Gastrointestinal Assays\*

Test for pathogens that cause gastrointestinal infections including bacteria, viruses, and parasites



## GASTROINTESTINAL INFECTIONS

### HIGH MULTIPLEX REAL-TIME PCR ASSAYS

Gastroenteritis is the inflammation of the lining of the stomach and small and large intestines. It is frequently caused by viruses but can also be caused by bacterial or parasitic infections.

The disease can be food-borne, water-borne, person-to-person, or occasionally through zoonotic spread, showing symptoms such as diarrhoea, vomiting, abdominal pain, and fever.

Gastroenteritis affects more than 20 million people each year in the US.

#### KEY FEATURES

##### Broad coverage of gastrointestinal pathogens

- Detection of 36 GI infection-causing targets across 5 panels
- 6 viral, 15 bacterial, 6 parasite, and 9 helminth
- 4 hours TAT (from extraction to results)
- All Novaplex GI assays can be run together

##### Automated system

- Provides a convenient work flow through a streamlined automation system
- Minimizes contamination and human error

#### SAMPLE TYPES

Stool

One Tube	Novaplex™ GI-Virus Assay	Novaplex™ GI-Bacteria(I) Assay	Novaplex™ GI-Bacteria(II) Assay	Novaplex™ GI-Parasite Assay	Novaplex™ GI-Helminth(I) Assay
Number of Targets	6	9	6	6	9

Novaplex™ Assays are For Research Use Only. Not for Use in Diagnostic Procedures.



## ANALYTES

Novaplex™ GI-Virus Assay	Novaplex™ GI-Bacteria (I) Assay	Novaplex™ GI-Bacteria (II) Assay	Novaplex™ GI-Parasite Assay	Novaplex™ GI-Helminth (I) Assay
<ul style="list-style-type: none"> <li>Adenovirus F</li> <li>Astrovirus</li> <li>Norovirus GI</li> <li>Norovirus GII</li> <li>Rotavirus</li> <li>Sapovirus</li> </ul>	<ul style="list-style-type: none"> <li><i>Aeromonas spp.</i></li> <li><i>Campylobacter spp.</i></li> <li><i>C. difficile</i> toxin A</li> <li><i>C. difficile</i> toxin B</li> <li><i>C. perfringens</i></li> <li><i>Salmonella spp.</i>,</li> <li><i>Shigella spp.</i> / EIEC</li> <li><i>Vibrio spp.</i></li> <li><i>Y. enterocolitica</i></li> </ul>	<ul style="list-style-type: none"> <li>AEC (aggR)</li> <li>CD hypervirulent</li> <li><i>E. coli</i> O157</li> <li>EPEC (It/st)</li> <li>EPEC (eaeA)</li> <li>STEC (stx1/2)</li> </ul>	<ul style="list-style-type: none"> <li><i>B. hominis</i></li> <li><i>Cryptosporidium spp.</i></li> <li><i>C. cayetanensis</i></li> <li><i>E. histolytica</i></li> <li><i>D. fragilis</i></li> <li><i>G. lamblia</i></li> </ul>	<ul style="list-style-type: none"> <li><i>Ancylostoma spp.</i></li> <li><i>Ascaris spp.</i></li> <li><i>E. vermicularis</i></li> <li><i>Enterocytozoon spp.</i> / <i>Encephalitozoon spp.</i></li> <li><i>Hymenolepis spp.</i></li> <li><i>N. americanus</i></li> <li><i>Strongyloides spp.</i></li> <li><i>Taenia spp.</i></li> <li><i>T. trichiura</i></li> </ul>

## ORDERING INFORMATION

Assay	Volume (rxns)	Catalog No.
Novaplex™ GI-Virus	124	R-GI9701W
Novaplex™ GI-Bacteria (I)	124	R-GI9801W
Novaplex™ GI-Bacteria (II)	124	R-GI9702W
Novaplex™ GI-Parasite	124	R-GI9703W
Novaplex™ GI-Helminth (I)	124	R-GI10191W



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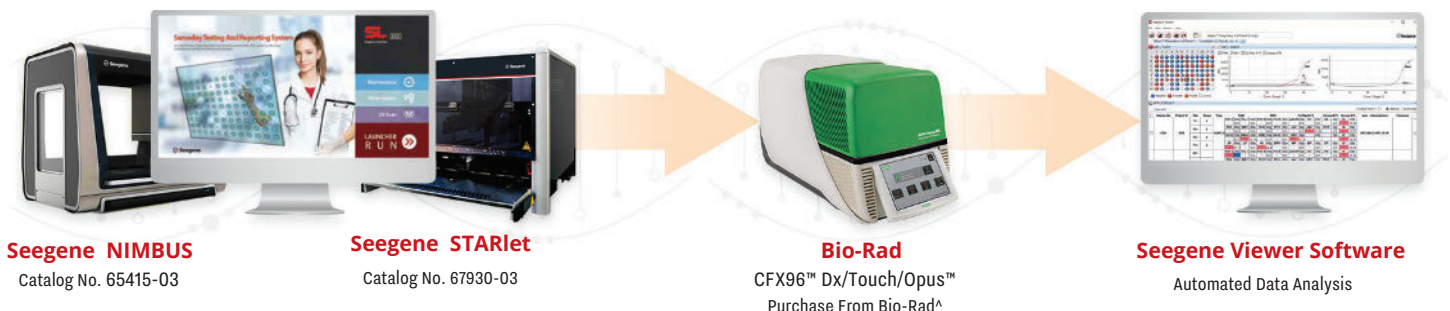
## WORKFLOW

### FOR EXTRACTION

**Seegene Launcher**  
Operation Software

### REAL-TIME PCR

### AUTOMATED DATA ANALYSIS



\*\* Extraction methods are not limited to the Seegene NIMBUS and Seegene STARlet.

<sup>^</sup> The CFX96™ Dx/Touch/Opus™ instrument is to be purchased directly from Bio-Rad. Seegene does not distribute the instrument in the U.S. Please contact Bio-Rad for ordering information.