

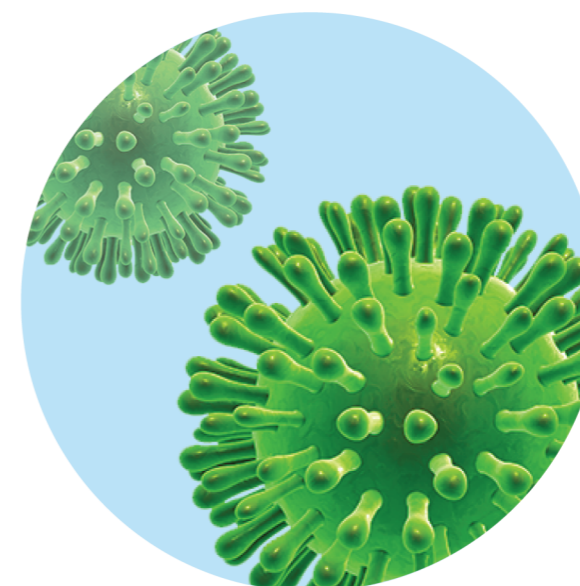
**NeoPlex™ Gastrointestinal Infection Panel Order Information**

Cat. No.	Product	Description	Method	Size
NG01A	NeoPlex™ GI-Virus 6 Detection Kit	Simultaneous Detection of 6 Viral Gastrointestinal Pathogens in a Single Test	Multiplex Real-Time RT-PCR	96 tests/kit

Easy and Fast

**Gastrointestinal  
Infection Panels**

Simultaneous Detection of  
19 Gastrointestinal Pathogens with  
Multiplex Real-Time PCR



**Gastrointestinal**



# Gastrointestinal Infection Panels



**Gastrointestinal infections** are the second leading cause of mortalities in children under five years of age, and gastroenteritis outbreaks are becoming an increasing threat to the developed world. It is difficult to diagnose the causative pathogens due to their similar clinical signs and symptoms, and more than 80% of diarrheal cases are attributed by unidentified pathogens. Therefore an early and accurate detection and identification is necessary for rapid diagnosis, timely treatment, and prompt outbreak prevention.

NeoPlex™ Gastrointestinal Detection Panels are multiplex real-time PCR kits that can detect and differentiate 6 viruses and 13 bacteria. Based on proprietary C-Tag™ Technology, NeoPlex™ Gastrointestinal Infection Panels provide a single-tube PCR test for multiple pathogens and enables same day report from DNA/RNA extraction to analysis with high clinical sensitivity and specificity.

## NeoPlex™ Gastrointestinal Infection Panels Single-Tube Real-Time PCR per Panel

GI-Virus 6 <small>CE-IVD Marked</small>	GI-Bac 8	GI-Bac 5
Norovirus GI (NoV GI) Norovirus GII (NoV GII) Rotavirus (RoV) Adenovirus (AdV) Astrovirus (AsV) Sapovirus (SaV)	<i>Salmonella</i> spp. <i>Shigella</i> spp./ <i>Enteroinvasive Escherichia coli</i> (EIEC) <i>Vibrio</i> spp. <i>Campylobacter</i> spp. <i>Clostridium perfringens</i> spp. <i>Clostridium difficile</i> Toxin B <i>Yersinia enterocolitica</i> <i>Aeromonas</i> spp.	Enteropathogenic <i>Escherichia coli</i> (EPEC, eaeA) Shiga toxin-producing <i>Escherichia coli</i> (STEC, stx1/stx2) Enterotoxigenic <i>Escherichia coli</i> (ETEC, lt/st) Enteroaggregative <i>Escherichia coli</i> (EAEC, aggR) <i>Escherichia coli</i> O157:H7

### Key Features

- High multiplex single-tube real-time PCR
- Superior clinical sensitivity and specificity
- Easy procedures for user convenience
- Fast turnaround time (TAT)
- Automatic analysis with NeoPlex™ Viewer
- Whole process control with extraction control
- UDG carry-over contamination prevention system (GI-Bac only)

### Compatible Instruments

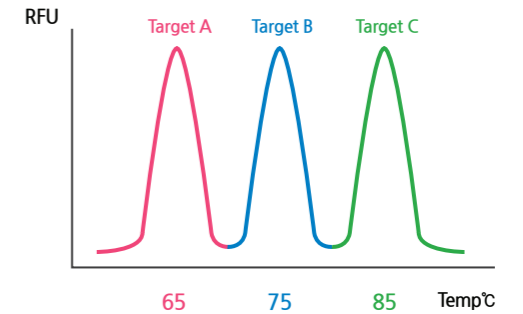
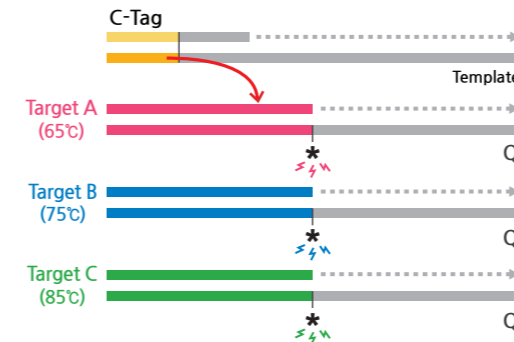
- Microlab STARlet Liquid Handling System (Hamilton)
- CFX96 Real-time PCR System (Bio-Rad)

### Specimens

- Stool

## Single-Tube Multiplex Real-Time PCR for Your Advantage

### C-Tag™ Technology



C-Tag™ Technology overcomes the limitations of conventional real-time PCR by analyzing multiple pathogens simultaneously in a single channel, offering less bench space, labor force, operational cost and TAT and ensuring quality assurance with integrated results.

### Simple and Fast Workflow



### Easy Result Analysis



NeoPlex™ Viewer is an automatic analysis software for NeoPlex™ Real-Time PCR assays.

NeoPlex™ Viewer can:

- ✓ Analyze results from the melting curve
- ✓ Export analysis results in an Excel form
- ✓ Provide more convenient data sorting in the software result table

### Comparison of Different Diagnostic Methods

Symptoms	Exposure / Condition	Pathogens	Diagnostic Methods
Diarrhea	Foodborne?	Norovirus? .....	NAAT*
Abdominal Pain	Waterborne?	Rotavirus? .....	NAAT
Fever	Other exposures?	<i>Salmonella</i> ? .....	Culture or NAAT
Vomit	Immunocompromising?	<i>Vibrio</i> ? .....	Culture or NAAT
		<i>E. Coli</i> ? .....	Ag Test

\* Nucleic Acid Amplification Test



NeoPlex™ Gastrointestinal Infection Panels simultaneously detect and differentiate 6 viruses and 13 bacteria for maximum productivity.