

# Norovirus (NoV) Genotype GI/GII Nucleic Acid Detection Kit (Fluorescence PCR Method)

Norovirus (NoV) is a member of the family Caliciviridae. NoV is currently divided into at least 10 genogroups (GI to GX) based on phylogenetic analysis of the entire VP1 gene. Each genogroup is subdivided into several genotypes, and a total of 49 genotypes have been identified. The NoV GI and GII are associated with human disease.

The Tianlong Norovirus (NoV) Genotype GI/GII Nucleic Acid Detection Kit is for the qualitative detection of Norovirus (NoV) Genotype GI/GII nucleic acid by Real-time reverse transcription Polymerase Chain Reaction (Real-time RT-PCR) method.

The kit can detect RNA from Norovirus (NoV) Genotype GI/GII in specimens such as stool swabs collected from individual personnel based on clinical or epidemiological criteria. It can assist in the diagnosis and treatment of Norovirus (NoV) patients and help in public healthcare management.



## FEATURES



### Genotype Differentiation

Detection and differentiation of Norovirus (NoV) GI/GII in human Stool swabs from patients with signs and symptoms of gastrointestinal infection



### High Precision

The precision values of intra and inter Ct values are all <5%



### Internal Control

The use of internal control system in the kit can effectively prevent false negative results



### User-friendly

Widely applicable in instruments with FAM, VIC (HEX), Cy5 fluorescence channels

## DATA INTERPRETATION

Figure 1: Positive standard sample amplification curve

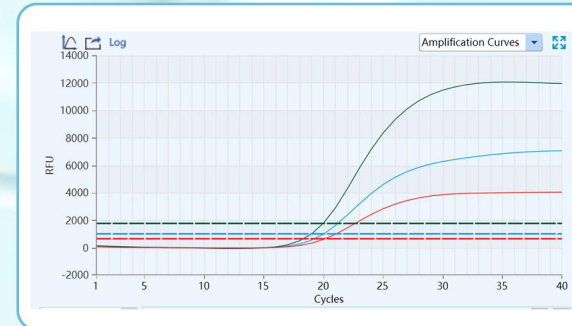
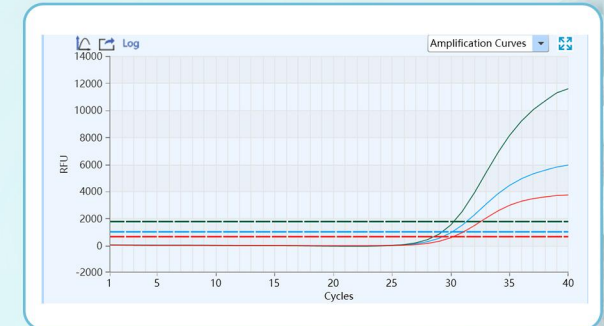


Figure 2: LOD amplification curve



Positive standard: If the Ct value is  $\leq 37$ , the result can be considered Norovirus (NoV) Genotype GI/GII Positive.

## ORDERING INFORMATION

Product Name	Norovirus (NoV) Genotype GI/GII Nucleic Acid Detection Kit (Fluorescence PCR Method)	Norovirus (NoV) GI/GII Genotype RNA Detection Kit (Fluorescence PCR Method)
Cat.No	P134H	P050H
Specification	32T/Kit	25T/Kit
Specimen	Stool swabs	
Sensitivity	500 copies/mL	
Precision	<5%	
Storage & Validity	-25°C~-15°C for 12 months	
Applicable Equipment	Instruments with FAM, HEX/VIC, Cy5 fluorescence channels such as Applied Biosystems™ 7500 Real-Time PCR Systems, Tianlong Gentier Real-time PCR Systems	

## ASSAY WORKFLOW

