

# Vibrio Cholerae O139/O1 Nucleic Acid Detection Kit

(Fluorescence PCR Method)

Cholera is a kind of violent intestinal infectious disease which is caused by Vibrio cholerae. Cholera often occurs in areas with poor sanitation, limited resources, and low testing capabilities. It is a widespread, diverse aquatic bacterium with more than 200 serogroups, and V. cholerae serogroups O1 and O139 are the predominant agents of cholera epidemics.

Rapid detection and pathogen identification are critical to controlling cholera. Tianlong Vibrio Cholerae O139/O1 Nucleic Acid Detection Kit is intended to detect Vibrio cholerae nucleic acid qualitatively using Real-time Polymerase Chain Reaction (Real-time PCR) method, assisting in the diagnosis and treatment of cholera patients, as well as public healthcare management.

**Signs or Symptoms**

Watery diarrhea

Nausea and vomiting

Dehydration

**Transmission Route**

Drinking water or eating food contaminated with cholera bacteria

Contact of feces, vomitus or contaminated items of infected patients

## FEATURES

- Reliable Detection**  
Detection and differentiation of Vibrio Cholerae O139/O1 from human rectal swab sample or human stool sample
- High Precision**  
The precision values of intra and inter Ct values were all <5%
- Internal Control**  
The use of internal control system in the kit can effectively prevent false negative results
- Good Compatibility**  
Widely applicable in instruments with FAM, VIC (HEX), Cy5 fluorescence channels
- More Accessible**  
CE marked, accessible for more countries

## DATA INTERPRETATION

Figure 1: Positive standard sample amplification curve

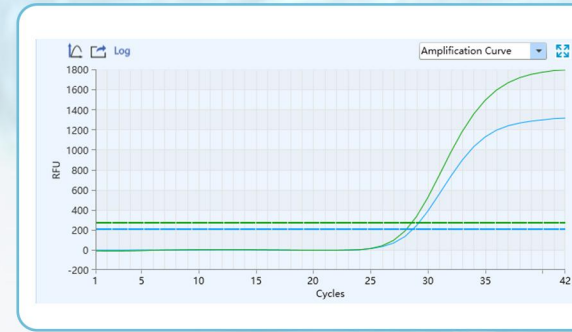
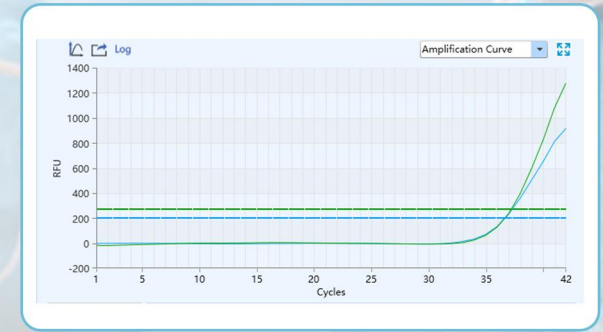


Figure 2: LOD amplification curve



## ORDERING INFORMATION

<b>Product Name</b>	Vibrio Cholerae O139/O1 Nucleic Acid Detection Kit (Fluorescence PCR Method)	
<b>Cat.No</b>	P049H	P549H
<b>Specification</b>	25T/Kit	50T/Kit
<b>Specimen</b>	Human rectal swab sample or human stool sample	
<b>LOD</b>	500 copies/ mL	
<b>Storage &amp; Validity</b>	-25°C~-15°C for 12 months	
<b>Applicable Equipment</b>	Instruments with FAM, VIC (HEX), Cy5 fluorescence channels such as Tianlong Gentier Real-time PCR Systems, Applied Biosystems™ 7500 Real-Time PCR Systems	

## ASSAY WORKFLOW

