

# Salmonella Enterica/Shigella Nucleic Acid Multiplex Detection Kit (Fluorescence PCR Method)

Foodborne diseases have become a public health problem in both developed and developing countries. Bacteria, viruses, and parasites can all cause foodborne diseases, among which Salmonella and Shigella are the main bacteria causing foodborne diseases.

The Tianlong Salmonella Enterica/Shigella Nucleic Acid Multiplex Detection Kit is for the qualitative detection of Salmonella Enterica and Shigella nucleic acid by Real-time Polymerase Chain Reaction (Real-time PCR) method.

It can detect DNA from Salmonella Enterica and Shigella in specimens such as human rectal swab samples or human stool samples collected from individual personnel based on clinical or epidemiological criteria, assisting in the diagnosis and treatment of foodborne disease patients, as well as public healthcare management.



## FEATURES



### Drive laboratory efficiency

Quick and accurate detection for salmonella enterica/shigella, 2 in 1 test drives laboratory efficiency



### 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) fluorescence channels



### More Accessible

CE marked, accessible for more countries

## DATA INTERPRETATION

Figure 1: Positive standard sample amplification curve

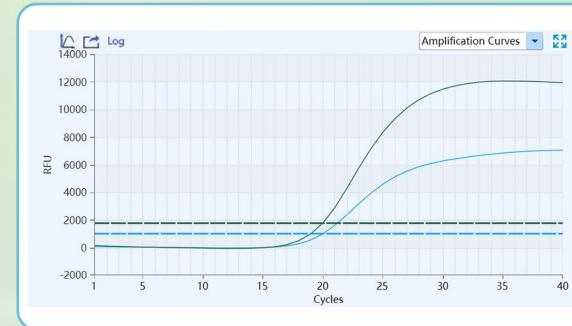
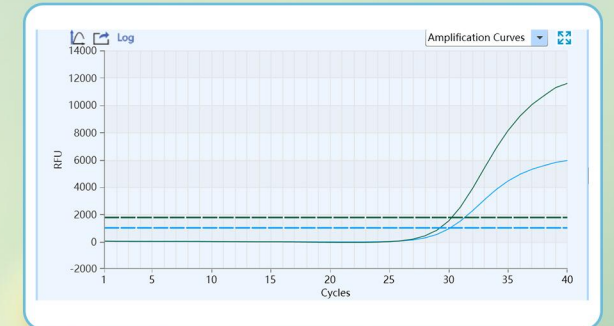


Figure 2: LOD amplification curve

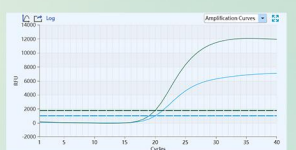


Positive standard: If the Ct value is ≤37, the result can be considered Salmonella Enterica/Shigella Positive.

## ORDERING INFORMATION

Product Name	Salmonella Enterica/Shigella Nucleic Acid Multiplex Detection Kit (Fluorescence PCR Method)
Cat.No	P085H
Specification	25T/Kit
Specimen	Human rectal swab samples or human stool samples
Sensitivity	500 copies/mL
Precision	<5%
Storage & Validity	-25°C~-15°C for 12 months
Applicable Equipment	Instruments with FAM, HEX/VIC fluorescence channels such as Applied Biosystems™ 7500 Real-Time PCR Systems, Tianlong Gentier Real-time PCR Systems

## ASSAY WORKFLOW



Version 3.0

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