

Salmonella DNA Detection Kit

(Fluorescence PCR Method)

Salmonella is a genus of Gramnegative bacteria of the Enterobacteriaceae family. It can not only infect animals in a dominant or recessive manner but also cause human food poisoning when humans eat contaminated animal-derived food. Salmonella is the second leading cause of food poisoning, and due to the worldwide trade of food and feeding stuff, the risk of microbial infections for consumers increases.

Possible signs and symptoms of salmonella infection include diarrhea, stomach (abdominal) cramps, fever, nausea, vomiting, chills, and headache. Signs and symptoms of salmonella infection generally last a few days to a week.

Tianlong Salmonella DNA Detection Kit is intended for the rapid and accurate detection of Salmonella DNA, assisting in the diagnosis and treatment of patients, as well as public healthcare management.

FEATURES



Rapid Detection

Detection of Salmonella DNA from human rectal swab sample or human stool sample in 40 min



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 exclude false negative results



Good Compatibility

Widely applicable in instruments with FAM, Cy5 fluorescence channels



More Accessible

CE marked, accessible for more countries

DATA INTERPRETATION

Figure 1: Gradient concentration Salmonella amplification curve

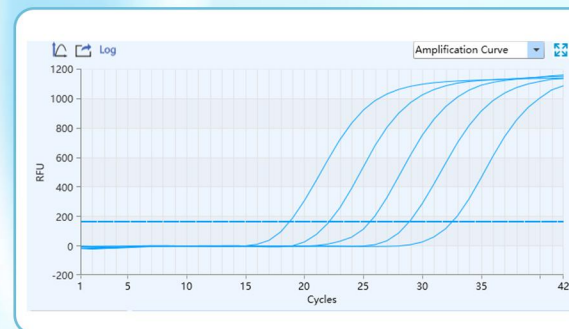
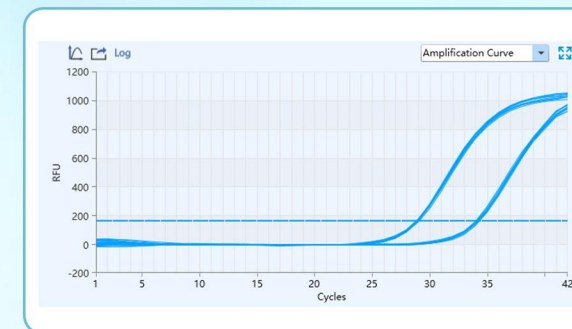


Figure 2: High concentration and low concentration Salmonella repetitive amplification curve



ORDERING INFORMATION

Product Name	Salmonella DNA Detection Kit (Fluorescence PCR Method)	
Cat.No	P055H	P555H
Specification	25T/Kit	50T/Kit
Specimen	Human rectal swab sample or human stool sample	
Sensitivity	500 copies/ mL	
Storage & Validity	-25°C~-15°C for 12 months	
Applicable Equipment	Instruments with FAM, Cy5 fluorescence channels such as Tianlong Gentier Real-time PCR Systems, Applied Biosystems™ 7500 Real-Time PCR Systems	

ASSAY WORKFLOW



Version 1.0

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