

# African Swine Fever Virus (ASFV) Nucleic Acid Detection Kit

(Fluorescent PCR Method)

ASF is caused by the African swine fever virus (ASFV). ASFV transmission can occur by direct contact between healthy and sick animals and indirect contact through the infected feed.

Peracute, acute, subacute, and chronic forms of ASF occur, and mortality rates vary from 0 to 100%, depending on the virulence of the virus that pigs are infected with. It can be devastating to the swine industry and those related to it when there is an outbreak of ASFV in any region or country.

The Tianlong African Swine Fever Virus Detection Kit is for the detection of African Swine Fever Virus (ASFV) DNA in cell-free body fluid samples, whole blood, serum, or tissue samples of pigs using TaqMan primer and probes. Recommend to use on Tianlong Portable Real-Time PCR System Gentier Mini, which is compact and portable with high efficiency. The kit can help early diagnosis and detect ASFV in pigs 2 days after infection and the test result can report in 1 hour.



## Features



### Wide Coverage

Concurrently detects ASFV genotype I, II



### Various Specimen

Cell free body fluid sample, whole blood, serum or tissue samples



### 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 and VIC channels



### High Precision

The coefficient of variation of the Ct values (CV%) is less than 5%

## Data Interpretation

Figure 1: Gradient concentration ASFV amplification curve

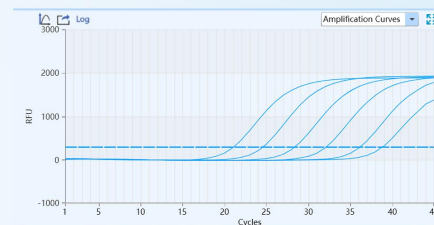
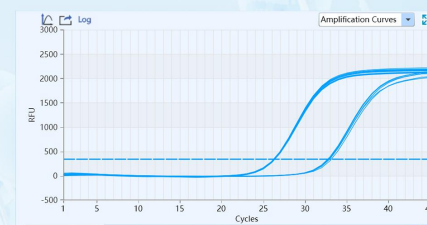


Figure 2: High concentration and low concentration ASFV repetitive amplification curve



Positive: If the Ct value of the FAM channel is  $\leq 38$ , the result can be considered ASFV positive.

## Applicable Instrument

Product Name	Sample Throughput	Fluorescence Channels	Certification
Tianlong Portable Real-Time PCR System -Gentier Mini	16	2	CE/FDA



- Portable**
- Fast**
- Always Online**

Gentier Mini is designed for mobile, small laboratories or on-site testing.

## Ordering Information

Product Name	African Swine Fever Virus (ASFV) Nucleic Acid Detection Kit (Fluorescent PCR Method)
Cat.No	P660H
Specification	50T/kit
Specimen	Cell free body fluid sample, whole blood, serum or tissue samples
Sensitivity	500copies/mL
Storage & Validity	-25°C ~ -15°C for 12 months
Applicable Equipment	Instruments with FAM and VIC channels, such as ABI series, Bio-Rad series, Tianlong PCR instruments

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