

Bring Technology to Life



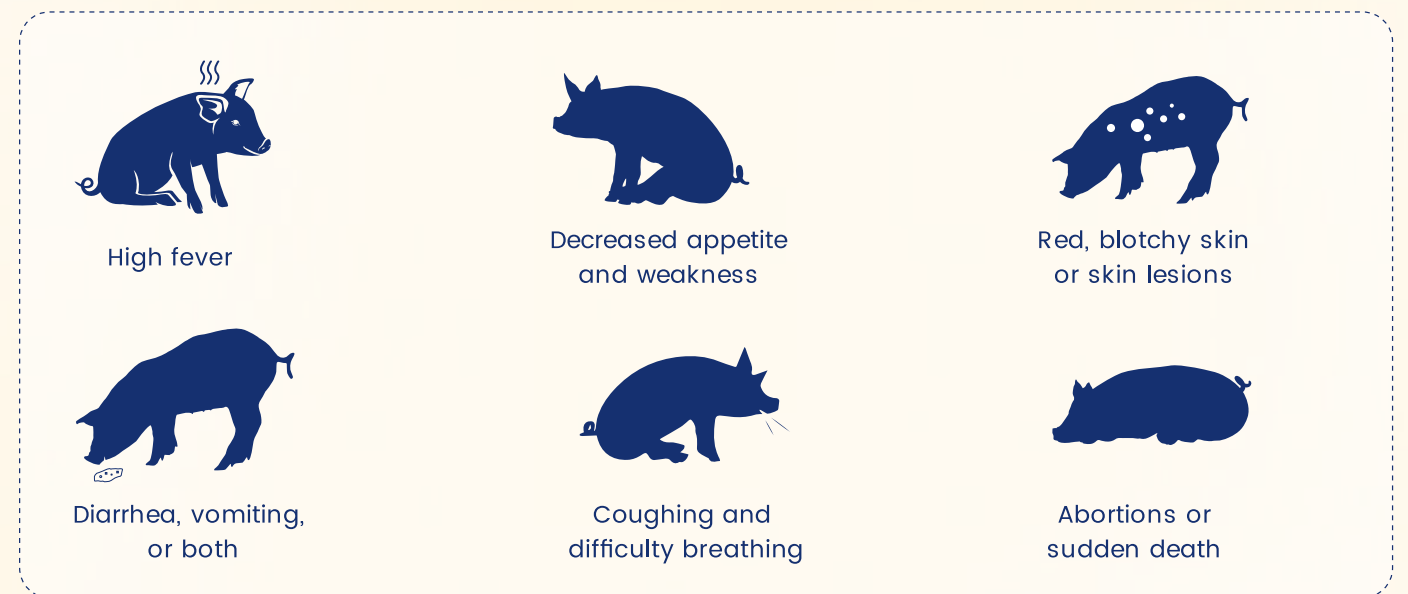
African Swine Fever Virus (ASFV) Detection Solution

- ✓ African Swine Fever Virus (ASFV)
- ✓ African Swine Fever Virus (ASFV) Rapid Test
- ✓ ASFV (P72/CD2v/MGF)
- ✓ ASFV (P72/CD2v)
- ✓ ASFV (P72/MGF)

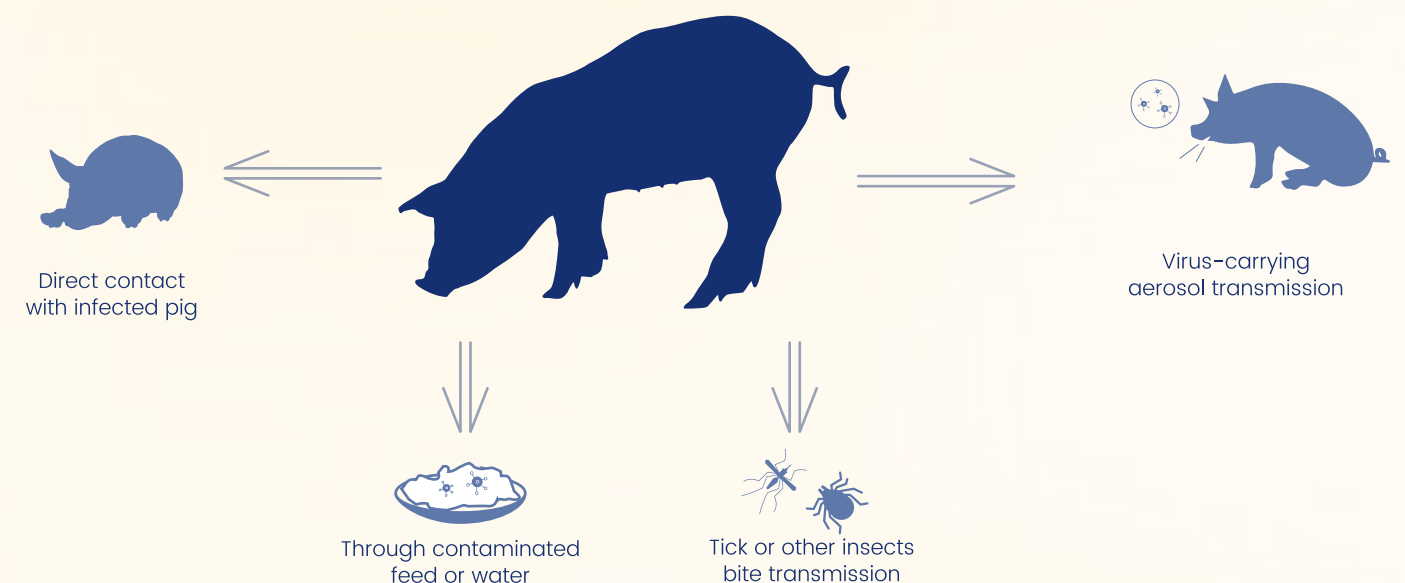
African Swine Fever (ASF) is a hemorrhagic, acute, febrile, and highly contagious animal disease caused by the African Swine Fever Virus (ASFV), affecting domestic pigs and wild boars. The mortality rate of ASF is alarmingly close to 100%. It can be devastating to the swine industry and those related to it when there is an outbreak of ASFV in any region or country.

Tianlong provides a wide product portfolio to detect ASFV in tissue, serum, whole blood, pharyngeal/nasal swab sample, and environmental samples based on the Fluorescence PCR Method. Tianlong ASFV detection solution can qualitatively determine whether suspected infected pigs are infected with ASFV and differentiate whether the strain is a CD2V/MGF single or double gene deletion ASFV strain, assisting in clinical diagnosis.

SIGNS OR SYMPTOMS



TRANSMISSION ROUTE



FEATURES



Providing Integrated Solution

Provide a wide product portfolio to detect all ASFV genotypes with a high degree of sensitivity and specificity



Differential Diagnostics

Qualitatively detect ASFV and differentiate whether the strain is a CD2V/MGF gene deletion ASFV strain, assisting in clinical diagnosis



High Sensitivity

The limit of detection is up to 500 copies/mL



Various Specimen

Tissue, serum, whole blood, pharyngeal/nasal swab sample and environmental sample



Endogenous Internal Control

With endogenous internal control in the kit to monitor and prevent false negative results effectively



High Precision

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

DATA INTERPRETATION

Figure 1: Gradient concentration ASFV amplification curve

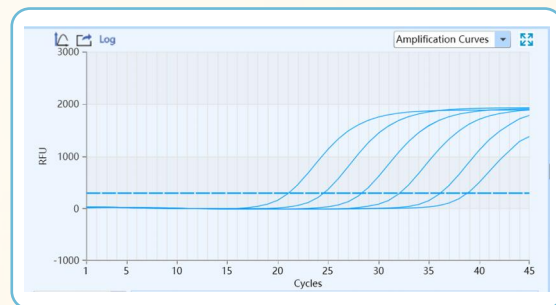


Figure 2: High concentration and low concentration ASFV repetitive amplification curve

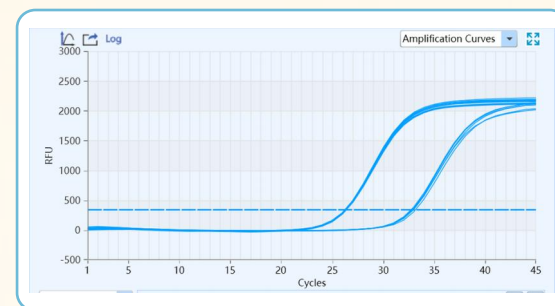


Figure 3: Gradient concentration amplification curve of ASFV (P72/CD2v/MGF) Nucleic Acid Differential Detection Kit

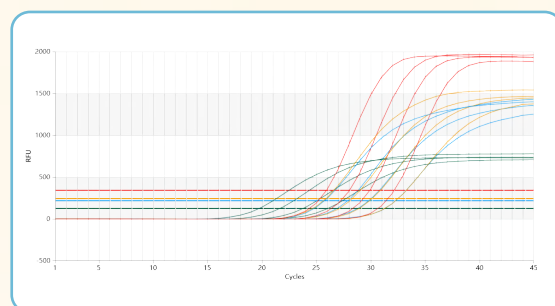
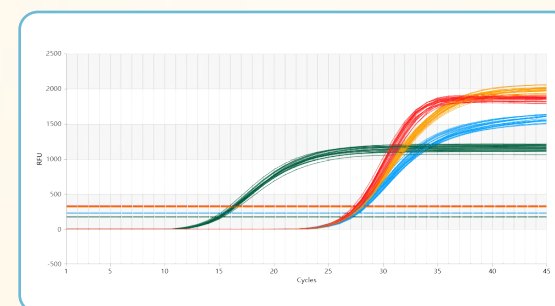


Figure 4: Precision test amplification curve of ASFV (P72/CD2v/MGF) Nucleic Acid Differential Detection Kit



— p72 — MGF — CD2v — IC

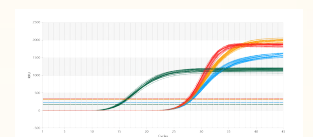
ORDERING INFORMATION

Cat.No	Product Name	Target Gene	Specification	Detection Time
P708H	African Swine Fever Virus (ASFV) Nucleic Acid Detection Kit	ASFV P72	50T/Kit	80 min
P631H	Rapid African Swine Fever Virus (ASFV) Nucleic Acid Detection Kit	ASFV P72	50T/Kit	40-60 min *Recommend for use on Tianlong Gentier 48
P628H	ASFV (P72/CD2v/MGF) Nucleic Acid Differential Detection Kit	ASFV (P72/CD2v/MGF)	50T/Kit	80 min
P629H	ASFV (P72/CD2v) Nucleic Acid Differential Detection Kit	ASFV (P72/CD2v)	50T/Kit	80 min
P630H	ASFV (P72/MGF) Nucleic Acid Differential Detection Kit	ASFV (P72/MGF)	50T/Kit	80 min

SPECIFICATIONS

Applicable Species	Swine
Target Gene	ASFV P72/CD2v/MGF
Technology	Fluorescence PCR Method
Specimen	Tissue, serum, whole blood, pharyngeal/nasal swab sample and environmental sample
Sensitivity	500 copies/mL
Precision	-25~-15 C for 12 months
Applicable Equipment	Highly compatible with mainstream PCR systems, such as Tianlong Gentier Real-time PCR System, Roche cobas z480, Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System and Applied Biosystems™ 7500 Real-Time PCR Systems

ASSAY WORKFLOW



Version 1.0

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