



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)

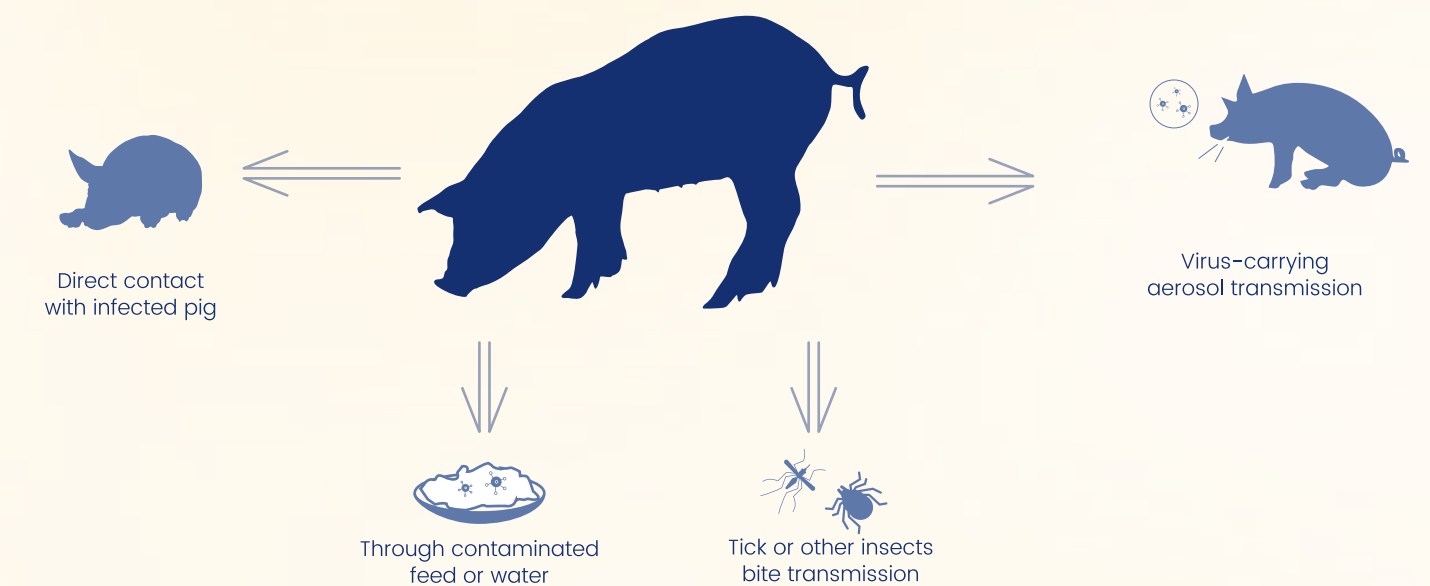
African Swine Fever (ASF) is a hemorrhagic, acute, febrile, and highly contagious animal disease caused by the African Swine Fever Virus (ASFV), affecting domestic pigs and wild boars. The mortality rate of ASF is alarmingly close to 100%. It can be devastating to the swine industry and those related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

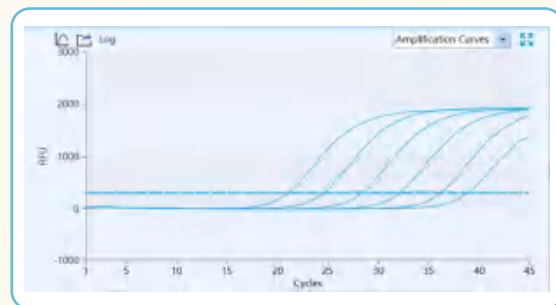


Figure 2: High concentration and low concentration ASFV repetitive amplification curve

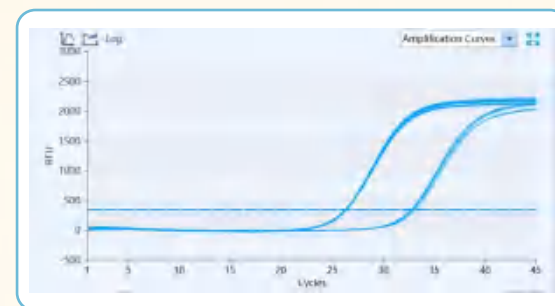


Figure 3: Gradient concentration amplification curve of ASFV (P72/CD2v/MGF) Nucleic Acid Differential Detection Kit

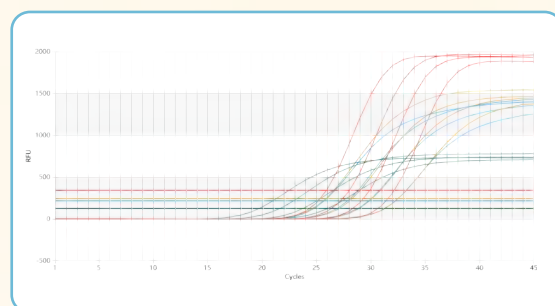
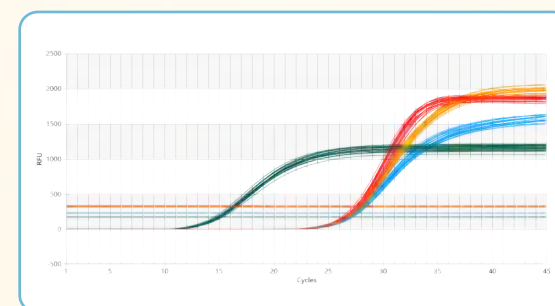


Figure 4: Precision test amplification curve of ASFV (P72/CD2v/MGF) Nucleic Acid Differential Detection Kit



— p72 — MGF — CD2v — IC

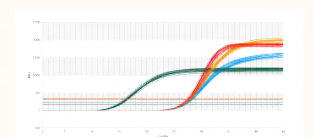
ORDERING INFORMATION

| 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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