

# ASFV-Ag Rapid Test Kit

Product #. C30021

## 1. Precaution

- a) This kit is designed for ASFV antigen detection in serum/plasma/blood; make sure you are fully aware of the intended use.
- b) Check the kit package carefully and read this instruction through to confirm the validity of the kit, and the appearance of the package. Only valid kit can be used.
- c) If any damage or leakage were found, please contact your vendor for replacement. Do not use in test unless otherwise agreed by the vendor.
- d) All samples collected may be contagious, please handle carefully according to local laws and regulations. Used test kit and tested sample shall be handle carefully to avoid further contamination.
- e) The test cassette, the buffer and swab shall be used within 5min after opening the foil package. Do not open it without planned experiment.
- f) Do not use component from other sources, otherwise the result is not valid.
- g) The kit is designed for one single use, do not use repeatedly.

## 2. Principle

The kit is based on sandwich immunochromatographic assay, to detect African swine fever antigen in serum, plasma, whole blood, which is rapid, accurate and easy-to-operate.

## 3. Application

This kit is designed to detect African swine fever antigen in serum, plasma and whole blood. Other applications may be provided upon request.

## 4. Kit Components

- a) Test Cassette, 50 pcs
- b) Sample buffer, 3 pc
- c) Disposable pipette, 50 pcs
- d) Kit instruction, 1 pc

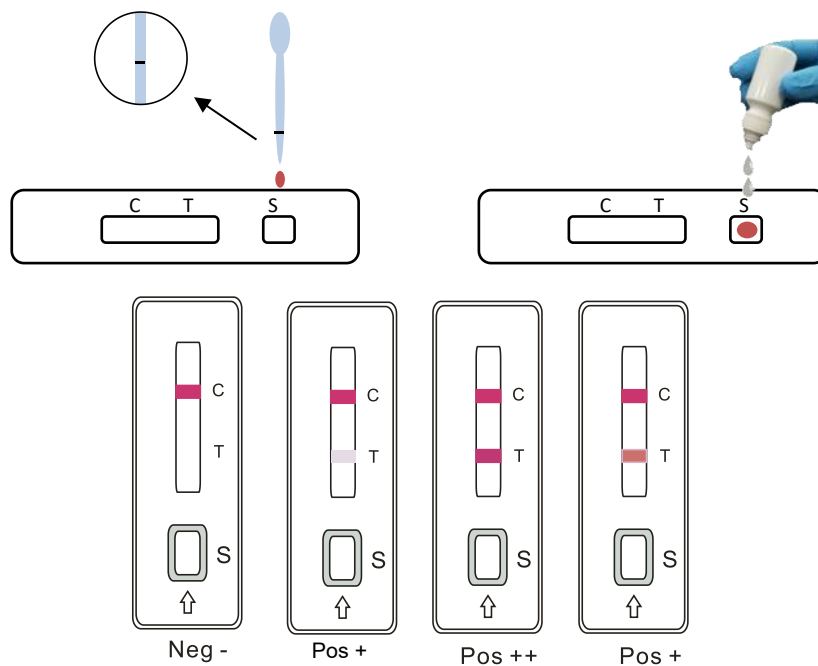
## 5. Sample Preparation

**Use new pipet or micropipette tips for different samples. All samples are contagious, please handle carefully or according to local regulations.**

## 6. Test Steps

- a) The test will take **10min**. Schedule your time before test.
- b) Take out the sample, and bring it to room temperature if it is refrigerated. For example, take the sample and keep at room temperature for 30min.
- c) Take the needed test cassette, plastic pipette (100ul micropipette can also be used).
- d) Open the foil pack, and take sample with plastic pipette provided in the kit. Add **30ul** (one drop by plastic pipette) into the sample well on the test card.
- e) Add **120ul-140ul** sample buffer (about **4 drops of sample buffer** by **buffer tube**) slowly into the sample well on the test card.
- f) Observe the result from 10-15min after adding the buffer into sample well on the cassette.

**Note:** Strong positive result will be observed in 10min, while weak positive, negative result will be slower and will be observed in less than 15min. Result over 20min will be invalid.



## 7. Result interpretation

There are 2 lines on the cassette, Control Line (Line C) and Test Line (Line T). Line C is used for quality control. If Line C is invisible after testing, the result will be invalid, please run the test again with new cassette.

### **NEGATIVE**

Only Line C is visible, Line T is not visible.

### **POSITIVE**

Line C and Line T are both visible.

Stronger (Darker) Line T indicates **Strong Positive (++)**

Weak (Lighter) Line T indicates **Weak Positive (+)**

## 8. Sensitivity and specificity

The kit is 90% sensitive to ASFV antigen, the specificity is 100%.

The kit does NOT detect antigens of PRRSV, PRV, SIV, PEDV, FMDV, PCV, CSFV, etc.

## 9. Limitation of the methodology

- The kit is for screening purpose and on-site test. Positive result shall be further confirmed by PCR and/or other official methodologies. Diagnosis of ASF shall be determined by the vet, considering both clinical symptom and laboratory test.
- The Color of Line T is related to ASFV antigen contained in the sample. If the antigen concentration is at very high level, Line T may appear and then be lighter, in this case, please further dilute the sample solution with DD water and run the test again to see a stable Line T.

## 10. Storage and period of validity

The kit will be valid for 12 months when stored at 2-30°C in dry and dark place. Do not freeze. Avoid direct sunlight.

Production date and expiry information are printed on the package.