Ringbio

the food and animal diagnostic company

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, which is rapid, accurate and easy-to-operate.

3. Application

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

4. Kit Components

a) Test Cassette, 50 pcs

b) Sample buffer, 1 pc

c) Disposable pipette, 50 pcs
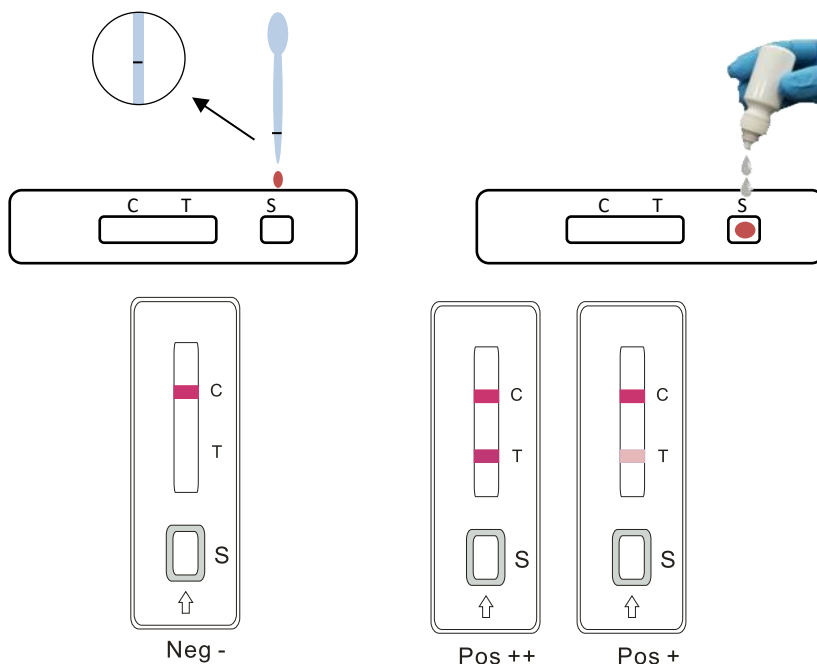
d) Kit instruction, 1 pc

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.

Observe the result from 10-20min 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 20min. 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 OR Line T has a very weak line or weak shadow.

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 2-8°C in dry and dark place. Do not freeze. Avoid direct sunlight.

Production date and expiry information are printed on the package.