

African Swine Fever Virus Antibody Rapid Test

Catalog No.: JIP514

INTENDED USE

The African Swine Fever Virus Antibody Rapid Test is a lateral flow immunochromatographic assay for the qualitative detection of African Swine Fever Virus Antibody (ASFV Ab) in pig's serum, plasma or whole blood specimen.

Assay Time: 5-10 minutes

Specimen: serum, plasma, whole blood

PRINCIPLE

The African Swine Fever Virus Antibody Rapid Test is based on sandwich lateral flow immunochromatographic assay. The test device has a testing window for the observation of assay running and result reading. The testing window has an invisible T (test) zone and a C (control) zone before running the assay. When the treated sample was applied into the sample hole on the device, the liquid will laterally flow through the surface of the test strip and react with the pre-coated antigen. If there is ASFV antibody in the specimen, a visible T line will appear. The C line should always appear after a sample is applied, which indicates a valid result. By this means, the device can accurately indicate the presence of ASFV virus antibody in the specimen.

REAGENTS AND MATERIALS

- 20 Test devices
- 1 Bottle of Assay buffer
- 20 Capillary droppers
- 1 Products Manual

STORAGE AND STABILITY

The kit can be stored at room temperature (4-30°C). The test kit is stable through the expiration date (18 months) marked on the package label. **DO NOT FREEZE**. Do not store the test kit in direct sunlight.

SPECIMEN PREPARATION AND STORAGE

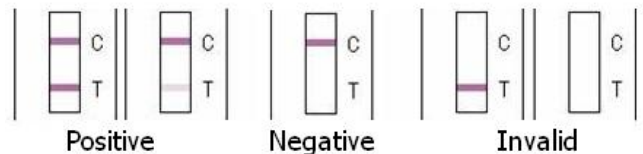
1. Specimen should be obtained and treated as below.
 - Serum or plasma: collect the whole blood from the pig, centrifuge it to get the serum, or place the whole blood into a tube which contains anticoagulants to get plasma.
 - Whole blood: collect fresh blood for use directly or make anticoagulant blood for storage at 2-8°C.
2. All specimen should be tested immediately. If not for testing right now, they should be stored at 2-8°C.

TEST PROCEDURE

- Allow all materials, including specimen and test device, recover to 15-25°C before running the assay.

- Take out the test device from the foil pouch and place it horizontally.
- Using the capillary dropper, place 1 drop of the prepared specimen into the sample hole "S" of the test device. Then drop 3 drops of the assay buffer into the sample hole immediately.
- Interpret the result in 5-10 minutes. Result after 15 minutes is considered as invalid.

INTERPRETATION OF RESULTS



- **Positive (+):** The presence of both "C" line and zone "T" line, no matter T line is clear or vague.
- **Negative (-):** Only clear C line appears. No T line.
- **Invalid:** No colored line appears in C zone. No matter if T line appears.

PRECAUTIONS

- All reagents must be at room temperature before running the assay.
- Do not remove test cassette from its pouch until immediately before use.
- Do not use the test beyond its expiration date.
- The components in this kit have been quality control tested as standard batch unit. Do not mix components from different lot numbers.
- All specimens are of potential infection. It must be strictly treated according to the rules and regulations by local states.

LIMITATION

The African Swine Fever Virus Antibody Rapid Test is for in vitro veterinary diagnosis use only. It is suggested to apply a further confirmative method such as antibody neutralization test when positive result was observed.



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