

«LTFLOW ASF»

lateral flow test for detection antibodies to African swine fever virus

INTENDED USE

«LTFLOW ASF» is a one-step qualitative immunochromatographic assay for antibodies detection against African Swine Fever (ASF) Virus in the swine and wild boar samples of whole blood, serum or plasma.

Assay time: 10-15 min

Sample: whole blood, serum, plasma

PRINCIPLE OF THE ASSAY

The test strip has an invisible T (test) zone and C (control) zone. When sample is applied into the sample pad on device, the liquid will laterally flow on the surface of the test strip. If there are enough detection antibodies to ASF Virus in the sample, a visible T line will appear. The C line should always appear after a sample is applied, indicating a valid result.

KIT COMPONENT

1. Lateral flow tests (35 strips in desiccant vial)
2. Assay buffer (12ml in bottle with dropper)
3. Disposable tube (35 pieces)
4. Product Manual

ADDITIONAL MATERIALS AND EQUIPMENT REQUIRED

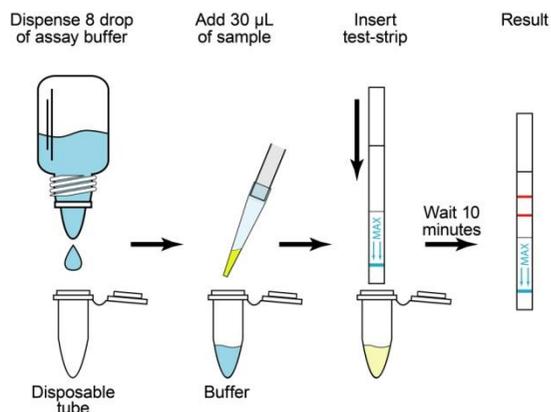
1. Automatic single-channel pipette (5-40 μ L)
2. Disposable pipette tips (1-200 μ L)
3. Microcentrifuge tube rack
4. Timer
5. Disposable gloves;
6. Disinfectants
7. Biohazard waste containers for potentially contaminated materials

SAMPLE PREPARATION

Collect animal whole blood, serum or plasma for assay according to standard procedure. Do not use specimen showing hemolysis or being contaminated with microbes.

TEST PROCEDURE

1. When sample and test kits are stored at cold circumstances, put them at room temperature for 15-30 minutes before use.
2. Using dropper, dispense 8 drop of assay buffer in a disposable tube.
3. Add 30 μ L of serum (whole blood or plasma) into a buffer tube, mix.
4. Take out a test strip from a vial. Holding the strip vertically, dip it with the arrow end into the tube with sample.
5. Wait for 10 minutes and read results between 10 and 15 minutes. Don't read results after 15 minutes.

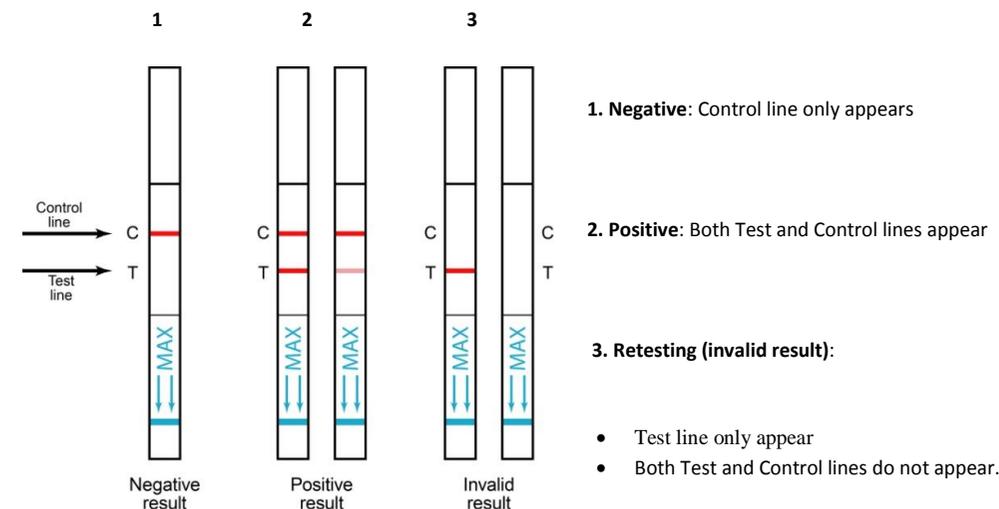


INTERPRITATION OF RESULTS

A purple band should appear on the control line regardless of the test result. The presence of another band on the test line determines the result.

Control Line (C): The line should always appear regardless of the presence of the antibodies of ASF Virus. If this line does not appear, the test should be considered invalid. This might be because of impure or the lack of sample. It should be tested again with another kit.

Test Line (T): The presence of antibodies of ASF Virus the test line



PRECAUTIONS

1. For the best results please strictly adhere to this instruction.
2. Use for in-vitro diagnostic purposes only.
3. Use within 10 minutes after opening the vial, because the test strips is very sensitive to moisture and its effect may diminish.
4. Do not use the kit when its expiration date is passed.
5. Be careful of not touching the test zone of the test-strips.
6. Every sample should be used with different pipette tips.
7. Do not use specimen showing hemolysis or being contaminated with microbes, which may cause false positive or false negative result.
8. Use disposable gloves when you suspect the infection caused by sample. And wash your hands later.
9. Dispose solid wastes after sterilizing them at 121 $^{\circ}$ C for over 1 hour.

STORAGE

The kit should be stored at temperature (8-25 $^{\circ}$ C). The test kit is stable during the expiration date (12 months) marked on the vial. Do not freeze. Do not store the kit in direct sunlight.