

Anigen Rapid Swine Influenza Virus Antigen Test Kit

■ Principles

Anigen Rapid Swine Influenza Virus Antigen Test Kit is a chromatographic immunoassay for the qualitative detection of swine influenza type A virus antigen in swine nasal fluid or tracheal swab and lung tissue in autopsy.

Anigen Rapid Swine Influenza Virus Antigen Test Kit has a letter of "T" as **test line** and "C" as **control line** on the surface of the device. The test line and the control line in result window are not visible before applying any samples. The control line is used for procedural control. Control line should be always appeared if the test procedure is performed properly and the test reagents of control line are working. A purple test line respectively will be visible in the result window if there is enough swine influenza virus antigen in the specimen.

A monoclonal anti nucleocapsid protein (A type) is used in the test line as capture and detector materials. These enable **Anigen Rapid Swine Influenza Virus Antigen Test Kit** to identify common Swine influenza virus antigen in swine nasal fluid or tracheal swab and lung tissue with high degree of accuracy.

■ Materials provided (10Tests/Kit)

- 1) Anigen Rapid Swine Influenza Virus Antigen Test Devices x 10
- 2) Sample collection tubes containing 1ml of assay diluent x 10
- 3) Sample collection swabs x 10
- 4) Disposable droppers x 10
- 5) Instruction for use x 1

■ Precautions

- 1) **For veterinary research use only.**
- 2) For best results, strict adherence to these instructions is required.
- 3) All specimens should be handled as being potentially infectious.
- 4) Do not open or remove the test kits from their individually sealed pouches until immediately before their use.
- 5) Do not use the test kits if the pouch is damaged or the seal is broken.
- 6) Do not reuse test kits.
- 7) All reagents must be at room temperature before running the assay.
- 8) Do not use reagents beyond the stated expiration date marked on the package label.
- 9) The components in this kit have been quality control tested as standard batch unit.
- 10) Do not mix components from different lot numbers.

■ Storage and Stability

The kit can be stored at room temperature (2~30℃) or refrigerated. The test kit is stable through the expiration date marked on the package label. **DO NOT FREEZE**. Do not store the test kit in direct sunlight.

■ Sample Collection and Preparation

- 1) Swine nasal fluid or tracheal swab and lung tissue in autopsy samples should be used with this test.
- 2) If the specimen is not immediately tested, they should be refrigerated at 2~8℃ for up to 48 hours. If testing is to be performed after 48 hours from collection, the specimens should be stored frozen at -20℃ or below.

■ Procedure of the test

- 1) Using the sample collection swab, take swine nasal fluid with deep insertion or tracheal swab and lung tissue.
- 2) Insert the swab into the specimen tube containing assay diluent.
- 3) Mix the swab until the sample has been dissolved into the assay diluent.
- 4) Leave the test tube until the large particles have settled down to the bottom of the tube.
- 5) Remove the test device from the foil pouch, and place it on a flat and dry surface.
- 6) Using the disposable dropper provided, take the supernatant from extracted sample in the tube.
- 7) Add **4(four) ~ 5(five) drops** into the sample hole with disposable dropper.
- 8) As the test begins to work, you will see purple color move across the result window in the center of the test device.
- 9) Interpret test results at **10 minutes**. Do not read the reaction after 10 minutes.

■ Interpretation of the test

A color band will appear in the left section of the result window to show that the test is working properly. This band is the control band. The right section of the result window indicates the test results. If another color band appears in the right section of the result window. This band is the test band.

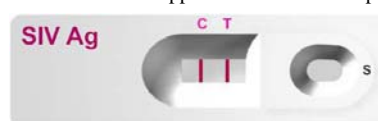
1) Negative result

The presence of only one band within the result window indicates a negative result.



2) Positive result

The presence of two color bands ("T" and "C") within the result window, no matter which band appears first indicates a positive result.



3) Invalid Result

If the purple color band is not visible within the result window after performing the test, the result is considered invalid. The directions may not have been followed correctly or the test may have deteriorated. It is recommended that the Sample be re-tested.



■ Limitations of the test

This kit can detect all Swine influenza virus type A antigen. Although the Anigen Rapid SIV Ag Test Kit is very accurate in detecting Swine influenza virus antigen, a low incidence of false results can be occurred. Other clinically available tests are required if questionable results are obtained. As with all diagnostic tests, a definitive clinical diagnosis should not be based on the results of a single test, but should only be made by the veterinarian after all clinical and laboratory findings have been evaluated.

■ Performance data

This kit could detect as following Swine Influenza Virus.

- 1) A/Swine/Korea/GC0503/2005 (H1N1)
- 2) A/Swine/Korea/GC0502/2005 (H1N2)
- 3) A/Swine/Korea/Suwon/107/1999 (H3N2)
- 4) A/Swine/Korea/GC0407/2005 (H3N2)
- 5) A/Swine/Tx/98 (H3N2)