

## ONE STEP Avian Influenza Virus Antigen Test

For veterinary diagnostic use only

# Anigen Rapid AIV Ag Test Kit

### ■ Principles

**Anigen Rapid AIV Ag Test Kit** is a chromatographic immunoassay for the qualitative detection of avian influenza type A virus antigen in avian cloaca, trachea or feces sample.

**Anigen Rapid AIV Ag Test Kit** has two letters which are test line (T) and control line (C) on the surface of device. Test line and control line in the result window are not visible before applying any samples. The control line is a reference line which indicates the test is performing properly. The control line has to appear every time when the test has performed. A purple test line would appear in the result window if the avian influenza virus antigens are present with the detectable concentration in the sample.

The highly selective antibodies to avian influenza type A virus are used as a capture and detector in the assay. These antibodies are capable of detecting avian influenza virus antigen in avian sample with a high accuracy.

### ■ Materials provided

Reagent	30 Tests/Kit
Anigen Rapid AIV Ag Test Device	30
Assay diluent tube	30
Disposable swab	30
Disposable dropper	30
Instructions for use	1

### ■ Materials required, but not provided

- 1) Timer

### ■ Precautions

- 1) The test kit is for chicken use only. Do not use for other animals.
- 2) The test device is sensitive to humidity as well as heat. Perform the test immediately after removing the test device from the foil pouch.
- 3) Do not reuse the test components.
- 4) Apply the assay diluent vertically.
- 5) Do not touch the membrane in the result window of test device.
- 6) Do not use the test kit beyond the stated expiration date marked on the package label.
- 7) Do not use the test kit if the pouch is damaged or the seal is broken.
- 8) Do not mix components from different lot numbers because the components in this kit have been quality control tested as standard batch unit.
- 9) All samples should be handled as being potentially infectious. Wear protective gloves while handling samples. Wash hands thoroughly afterwards.
- 10) Decontaminate and dispose of all samples, used kits and potentially contaminated materials safely in accordance with national and local regulations.

### ■ Storage and Stability

- 1) Store the test kit at 2~30°C. **DO NOT FREEZE.**
- 2) Do not store the test kit in the direct sunlight.
- 3) The test kit is stable within the expiration date that marked on the package label.

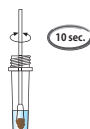
### ■ Collection and Preparation of Sample

- 1) Avian feces sample should be used with this test.
- 2) If the sample is not immediately tested, they should be stored at 2~8°C for 24 hours. For longer storage, freeze the sample at -20°C or below. Frozen samples should be brought to room temperature (15~30°C) prior to use.

### ■ Procedure of the Test

- 1) Cloacal(or rectum) swab or tracheal swab is recommended for the best sensitivity. Take a swab sample from a cloaca or trachea with the disposable swab. Scattered wet feces are also available.

- 2) Insert the swab sample into the assay diluent tube and mix the swab sample for 10 seconds.



- 3) Wait for 1 minutes to settle down the samples.



- 4) Remove the test device from the foil pouch, and place it on a flat and dry surface.
- 5) Using a disposable dropper provided, take the supernatant sample in the tube.



- 6) **Apply four(4) drops of sample** into the sample hole, drop by drop.



- 7) Start the timer. The sample will flow across the result window. If it does not appear after 1 minute, add one more drop of prepared sample to the sample hole.



- 8) Interpret test results at **20 minutes**. Do not read the result after 30 minutes.

### ■ Interpretation of the Result

#### 1) Negative result

Only control("C") line appears in the result window.



#### 2) Positive result

Test("T") line and control("C") line appear in the result window to indicate the presence of AIV antigen.



#### 3) Invalid Result

If the Control line "C" does not appear, the result might be considered invalid. The sample should be retested.



### ■ Limitations of the Test

- 1) This kit can detect all avian influenza virus type A antigen (H1~H16) regardless of high or low pathogenic avian influenza virus. Although Anigen Rapid AIV Ag Test Kit is very accurate in detecting avian influenza virus antigen, a low incidence of false results can be occurred. Other clinically or laboratory tests might be required if questionable results are obtained. As other diagnostic tests, a definitive clinical diagnosis should not be based on the result of a single test, but should be diagnosed by the veterinarian after all clinical and laboratory findings have been evaluated. The detection limit is  $10^{3.0} \text{EID}_{50}/\text{ml}$ .
- 2) The reading window may show a light pink background coloration; this will not affect the accuracy of the results.
- 3) BioNote and its distributors cannot be held responsible for the consequences of misuse or misinterpretation of the results given by the test.
- 4) In case of Pigeon samples, the false positive result could be occurred. This test kit is not available in the pigeon samples.

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