AIV Antigen

AffiVET® Rapid Test Kit

AFG-VR-72

30 Tests

Material Required

(30) Rapid AIV Ag Test Device
(30) Assay diluent tube
(30) Disposable Swab
(30) Disposable Dropper
(01) Instruction of Use
(01) Timer (Not Provided)

Storage

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

Principle

- The AffiVET® Rapid AIV Ag Test Kit utilizes chromatographic immunoassay technology to qualitatively detect avian influenza type A virus antigen in chicken or duck(excluding wild animal) cloaca, oropharynx or feces sample.
- The device features a test (T) line and a control (C) line, where the control line serves as a reference ensuring the test is functioning correctly. The appearance of the control line confirms proper test execution.
- Highly selective antibodies specific to avian influenza type A virus are employed in both capture and detection roles within the assay, enabling accurate detection of AIV antigen in chicken or duck(excluding wild animal) sample with a high accuracy.

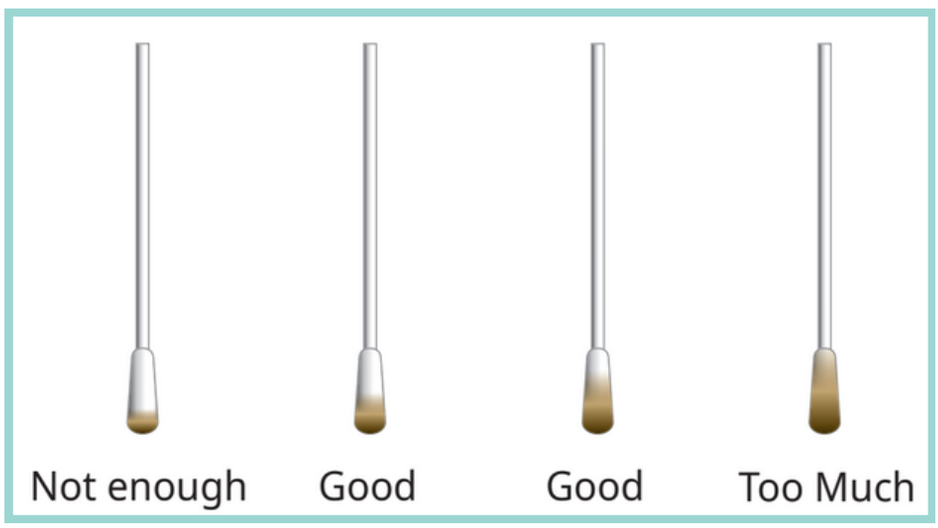
Precautions

1. The AffiVET® Rapid AIV Ag Test Kit is intended for use with chickens or ducks (excluding wild animals) only. Do not use for other animals.
2. The test device is sensitive to both humidity and heat. Perform the test immediately after removing the test device from the foil pouch.
3. Do not reuse any test components.
4. Apply the assay diluent vertically.
5. Avoid touching the membrane within the result window of the 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 if the seal is broken.
8. Do not mix components from different lot numbers. The components in this kit have been quality control tested as a standard batch unit.
9. Handle all samples as potentially infectious. Wear protective gloves when handling samples and wash hands thoroughly afterward.
10. Decontaminate and dispose of all samples, used kits, and potentially contaminated materials safely in accordance with national and local regulations.

Sample
Collection & Preparation

1. Use samples from chicken or duck(excluding wild animal) cloaca, oropharynx or feces sample to ensure accurate detection of AIV antigen.

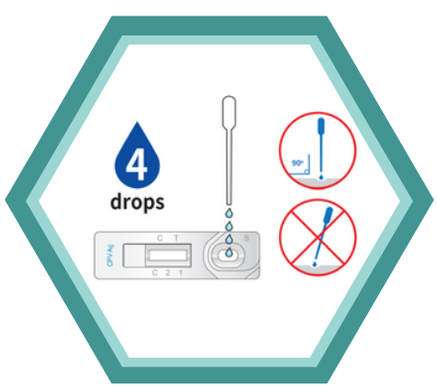
2. If the sample cannot be tested immediately, refrigerate it at 2-8°C for up to 24 hours. For longer storage, freeze the sample at -20°C or below. Frozen samples should be brought to room temperature (15~30°C) prior to use.



Test Procedure

1. Bring all kit components and samples to room temperature before use to ensure optimal performance.
2. Collect samples using a swab for accurate testing.
3. Insert the swab into the assay diluent tube and gently mix it for 10 seconds.
4. Wait for 1 minute to allow the samples to settle down before proceeding with the test.

5. Remove the test device from the foil pouch and place it on a flat, dry surface.
6. Using the disposable dropper provided, extract the supernatant sample from the tube.

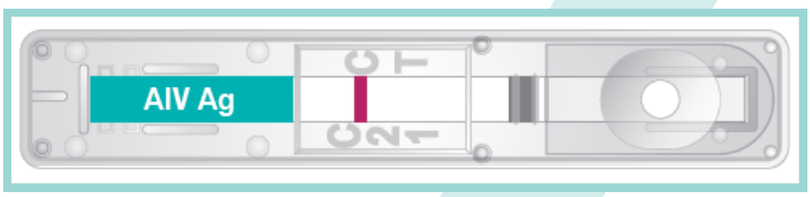


7. Apply (4) four drops of the sample into the sample hole on the test device, adding each drop one at a time.
8. Start the timer and observe as the sample flows across the result window. If the sample does not appear after 1 minute, add one more drop of the prepared sample to the sample hole.

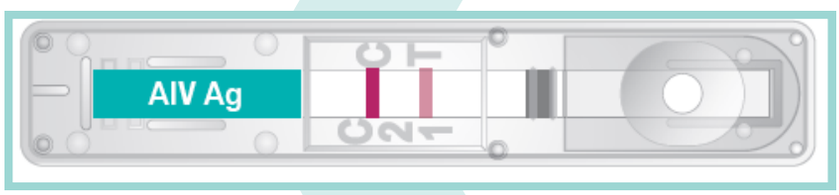
9. Interpret test results at 20 minutes. Do not read the results after 30 minutes.

Result Interpretation

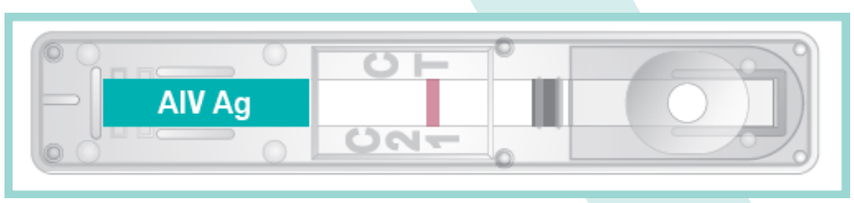
- Negative Result
  - Presence of C-Line
  - Absence of T-Line



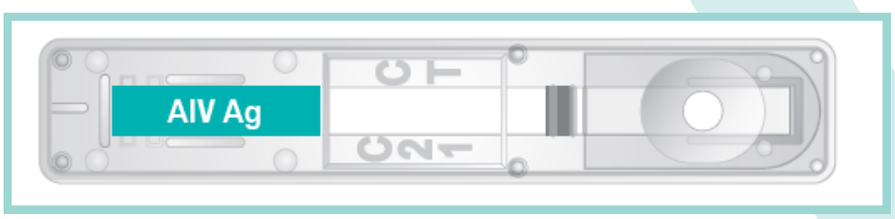
- Positive Result
  - Presence of C-Line
  - Presence of T-Line



- Invalid Result
  - Absence of C-Line
  - Presence of T-Line



  - Absence of C-Line
  - Absence of T-Line



Limitations

1. While the AffiVET Rapid AIV Ag Test kit is highly accurate in detecting Call avian influenza virus type A antigen, occasional false results may occur. In cases of uncertainty, additional clinically or laboratory tests may be necessary. It is important to note that definitive clinical diagnosis should not rely solely on the results of a single test but should be made by the veterinarian after considering all clinical and laboratory findings.
The detection limit is 104.8EID50/ml.

2. The reading window may exhibit a light pink background coloration, which will not impact the accuracy of the results.

3. AffiGEN Inc. and its distributors cannot be held liable for any consequences resulting from the misuse or misinterpretation of the test results.

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