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HS ANV AG Test RR

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CAT. No.: RG15-05

Independent Comparison Study

Virus

A/Chicken/Vietnam #8 (γ-irradiated) - A(H5N1)

A/Duck/Vietnam #7A (7-irradiated) - A(H5N1)

A/?/Vietnam #Pooled (7-irradiated) - A(H5N1)

A/Human/New Caledonia6/2002 - A(H3N2)

Species

Egg Layers Egg Layers Egg Layers

Egg Layers

Egg Layers

Egg Layers

Egg Layers

Positive rate by Farms 7/7(100%)

Positive rate by Specimens: 23/28(82.1%)

A/Human/Ulan Ude/1/2001- A(H3N2)

(*ICT: Immunocharomatographic test)

Name of the farm infected with HPAI

1.LKB

4.SWS

5.CMK

6.STB

Anigen H5

Positive

Positive

Positive

Negative

Negative

No. of random

specimen

Positive

Positive

Positive

Positive

Positive

Anigen H5 ICT

No. of Positive

Anigen Rapid H5 AIV Ag Test Kit is a solid phase chromatographic immunoassay for the qualitative detection of avian influenza type A subtype H5 virus antigen (High pathogenic avian influenza virus: HPAI) in avian cloaca swab, trachea swab, kidney swab and feces.

Background

Avian influenza A viruses can be classified into low and high pathogenic forms based on the severity of the illness they cause. Avian influenza A subtype H5 and subtype H7 viruses can be distinguished as "high pathogenic" form on the basis of genetic features of the virus and the severity of the illness. Avian influenza A subtype H5 potentially has nine different subtypes (H5N1 \sim H5N9) and these subtypes can be highly pathogenic (HPAI) or low pathogenic (LPAI). The Influenza type A subtype H5 infection has been reported among humans and sometimes causing severe illness and death.

Specifications

- Principle: Immunochromatographic assay using Direct Sandwich Method
 - Monoclonal anti-AIV H5 (Capture) AIV H5 Monoclonal anti-AIV H5 (Detector)
 - Monoclonal antibody against subtype H5 specific protein of avian influenza virus
- Purpose: Detection of Avian influenza type A subtype H5 virus (H5N1 ~ H5N9)
- Specimen: Avian cloca, trachea, kidney swab and feces
- Reading time: 5~10 minutes
- Sensitivity: 100% by farm (n=13), 76.6% by feces (n=115) vs. Virus isolation
- Specificity: 100% vs. Virus isolation, PCR (n=1,402)
- No cross reaction against NDV, IBV, ILTV, Pneumovirus, Reovirus, IBDV, MDV, and REV
- Detection limit: 10^{4,9} EID₅₀/ml or 0.125 HAU
- Shelf life: 24 months
- Storage temperature: 2~30°C
- Packing size: 25 Tests/Kit
- The Pigeons have very low possibility of AIV infection and the specimens from pigeon feces may show unsual result in the kit. To test the pigeon feces, Choose Anigen pigeon feces preperation kit that is commercially available.

Special Features

- Optimal screening method of High pathogenic AIV subtype H5 in the farm or laboratory
- Detection of all avian influenza subtype H5 viruses (H5N1 ~ H5N9)
- High sensitivity compared with the virus isolation method
- High specificity: No cross-reaction with other avian viruses
- Detection of AIV H5 in Chickens, Ducks, Turkeys, and Geese
- World's first commercialized rapid test kit for detection of avian influenza virus subtype H5 since December 2003
- Easy test procedure: No technical expertise required, and Saving Labor & Time
- No additional equipment is required.
- Anigen AIV Ag test can be performed for initial screening, and Anigen H5 AIV Ag test for second line screening, HPAI subtype H5.

Test Procedures



- 1. Collect a cloaca feces swab, traceal swab, kidney swab or scattered wet feces swab.
- 2. Dilute the swab sample with assay diluent and drop 4 drops.
- 3. Interpret the test result.

