

H5 AIV Ag

Avian Influenza type A antigen subtyping rapid

Avian Influenza Virus Antigen 3line Test is a chromatographic immunoassay for the qualitative detection of avian influenza type A virus antigen and a specific subtype antigen in avian cloaca, trachea, kidney or feces.

Avian influenza A viruses can be classified as low and high pathogenic form based on the severity of the illness they cause. Avian influenza A subtype H5 viruses can be considered as “high pathogenic” strains on the basis of genetic features of the virus and the severity of the illness. Both test lines on the device mean the sample positive of AIV type A and its specific subtype H5. Only AIV Ag line on the device means sample positive of AIV type A.



Indications

- Field monitoring of Avian Influenza virus and its subtypes H5
- Tentative diagnosis for swift control in suspected outbreak situation
- Differentiation between low pathogenic and high pathogenic

Special Features

- Discriminate between a common AIV and a specific subtype AIV
- Differential diagnosis of AIV subtype H5
- World’s first commercialized rapid test kit for AIV H5
- High sensitivity and high specificity
- Applicable to various species

Cross reaction tests

| | H5 Ag |
|--|-------|
| A/PR/8/34(H1N1) | - |
| A/Singapore/1/57(H2N2) | - |
| A/Duck/Ukraine/1/63(H3N8) | - |
| A/Duck/Czechoslovakia/56(H4N6) | POS |
| A/Duck/Hongkong/820/80(H5N3) | - |
| A/Shearwater/Australia/1/72(H6N5) | - |
| A/Duck/Hong Kong/301/78(H7N1) | - |
| A/Turkey/Ontario/6118/68(H8N4) | - |
| A/Turkey/Wisconsin/1/66(H9N2) | - |
| A/Chicken/Germany/N/49(H10N7) | - |
| A/Duck/England/56(H11N6) | - |
| A/Duck/Alberta/60/76(H12N5) | - |
| A/Gull/Maryland/704/77(H13N6) | - |
| A/Mallard/Gurjev/263/82(H14N5) | - |
| A/Shearwater/West Australia/2576/79(H15N9) | - |

Test Procedures

- 1 Collect swab sample from trachea, kidney, spleen or cloaca(feces.)
- 2 Insert the swab into the sample tube containing assay diluent, and mix the swab until the sample has been dissolved into the assay diluent. Squeeze the swab against the well of tube and then discard it.
- 3 Take the supernatant with disposable dropper provided.
- 4 Add 4 drops into the sample hole with disposable dropper.

20 min.

Interpretation

| | | | |
|---|---|---|-----------------|
| C | 2 | 1 | Negative |
| C | 2 | 1 | H5 AIV Positive |
| C | 2 | 1 | AIV Positive |
| C | 2 | 1 | Invalid |

Ordering Information

| Cat. No. | Description | Type | Packing size |
|----------|--------------------------|--------------|------------------|
| RG1505MH | Rapid H5 AIV Ag (3lines) | Multi device | 10 Tests x 3/Kit |