

AIV Ag

Validated from

- *VLA, Veterinary Laboratory Agency, United Kingdom
- *FLI, Friedrich Loeffler Institute FLI, Germany
- *CSIRO, Australian Animal Health Laboratory
- *FGI «ARRIAH», Federal Center For Animal Health, Russia

Avian Influenza type A virus antigen

Influenza viruses that infect birds are called "Avian Influenza virus (AIV)" with only influenza type A viruses infecting birds. Influenza type A viruses are divided into subtypes based on two proteins, hemagglutinin (HA) and neuraminidase (NA), on the surface of the virus. AIV can infect chickens, turkeys, pheasants, quail, ducks, geese, and guinea fowl, as well as wide variety of birds. AIV is transmitted primarily through direct contact from infected birds to healthy birds, and through indirect contact with contaminated equipment and materials. The virus is excreted through infected birds' feces and secretions from their noses, mouths, and eyes.



Indications

- Field monitoring of Avian Influenza virus
- Tentative diagnosis for swift control in outbreak suspected situation
- Differential diagnosis of other avian major diseases

Detection Limit Study

Evaluated by	IZS institution (Italy)		Konkuk Univ. (Korea)		
	Virus	A/ty/It/214845 /02/H7N3	A/ty/It/90302 /05/H5N2	H9N2 H5N8	NWS/33 H1N1
Detection Limit (EID ₅₀ /ML)		10 ^{4.5}	10 ^{4.5}	10 ^{4.5}	10 ^{3.5}

Special Features

- Detection of all AIV type A
- No cross-reaction with other avian viruses
- Applicable to various species
- World's first commercialized rapid test kit for AIV
- Validated from OIE reference laboratories
- Specimen: Trachea, kidney, spleen or cloaca(feces)
- Sensitivity: 100% by farm (n=19), 77.3% by feces (n=150)
- Specificity: 100% vs. HA, PCR (n=1,402)

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.

10 min.

Interpretation

C	T	Negative
C	T	Positive
C		Invalid
	T	Invalid

Ordering Information

Cat. No.	Description	Type	Packing size
RG1501MH	Rapid AIV Ag	Multi device	10 Tests x 3/Kit