

AIV Ab ELISA

Validated from

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Avian Influenza type A virus antibody

Wild birds and some poultry infected by HPAI show no clinical signs, and their virus shedding amount is too small to be detected by an antigen capture immunoassay. The BIONOTE AIV Ab ELISA has been developed for screening these latent AIV carriers by detecting AIV antibodies.



Indications

- Avian influenza virus antibody detection
- Monitoring of Avian Influenza virus carrier
- Antibody detection for migratory bird surveillance

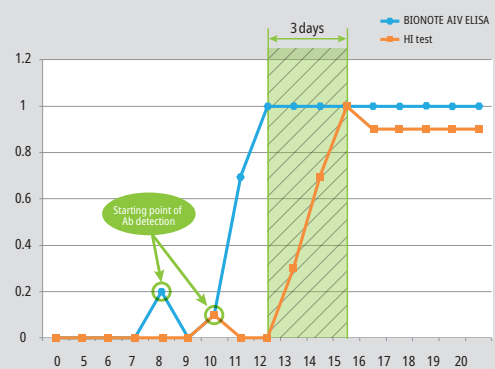
Special Features

- No cross-reaction with other avian virus positive sera
- Applicable to various species
- Specimen: Serum, plasma or egg yolk
- No sample dilution is required
- Reading time: 45 minutes
- Sensitivity: Chicken 98.2%, Duck 97.5%, Turkey 97.1%
- Specificity: Chicken 97.3%, Duck 93.8%, Turkey 100%

Quick Procedure

1. Prepare AIV NP antigen coated test plate
2. Add 50 µl of controls and sample to wells
3. Add 50 µl of anti AIV antibody-HRP to each well
4. Incubate plate for 30 minutes at 37°C
5. Wash plate 6 times
6. Add 100 µl of substrate (Ready to use) and incubate the wells for 10 minutes at room temperature
7. Add 100 µl of stopping solution
8. Measure the optical density (OD) at 450nm with reference wavelength at 620nm
9. PI value=[1-(OD_{sample}/mean OD_{NC})] x 100

Evaluation of AIV Antibody detection in egg yolk



*BIONOTE AIV Ab ELISA kit showed that it can detect the antibody in egg yolk approximately 3-5 days earlier than HI test.

Ordering Information

Cat. No.	Description	Type	Packing size
EB4502PO	AIV Ab ELISA	Microplate	480 Wells/Kit