



The first control is the fastest diagnosis

Rapid Test Kit NDV Ag

AniGen Rapid NDV Ag Test kit is a solid phase chromatographic immunoassay for the qualitative of Newcastle Disease virus antigen in avian oropharynx, spleen, or kidney.

CAT. No.: RG15-03



Background

Newcastle Disease (ND) is characterized by sneezing, coughing, and nervous behavior. Affected birds may show tremors, circling, falling, twisting of the head and neck, or complete paralysis. Mortality reaches 90% in very young birds but adult mortality is very low. Among affected laying hens, egg quantity and quality drop sharply at first but usually return to former levels within four to eight weeks. ND can cause death even in vaccinated poultry and is characterised by its sudden appearance and rapid spread to nearby flocks. Diagnosis is usually made by virus isolation, serology and clinical signs. The hemagglutination inhibition (HI) test is used widely in ND virus serology, with cross-reactions in HI tests between ND virus and some of the other paramyxoviruses being reported. The newly developed AniGen Rapid NDV Ag test kit is highly specific to NDV.

Specifications

- Principle: Immunochromatographic assay using Direct Sandwich Method
 - Monoclonal anti-NDV (Capture) – NDV – Monoclonal anti-NDV (Detector)
- Purpose: All new NDV strains(Lasota, B1, VG/GA)
- Specimens: Avian cloaca for trachea swab
- Reading time: 5-10 minutes
- Sensitivity: 94.7% vs. RT-PCR
- Specificity: 96.4% vs. RT-PCR
- No cross reaction against AIV, IBV(infectious bronchitis), IBDV, Mycoplasma
- Detection limit: 0.125 HAU(Hemagglutination Unit)
- Shelf life: 24 months
- Storage temperature: 2~30°C
- Packing size: 10 Tests/Kit

Special Features

- NDV control is aided by fast and accurate diagnosis.
- Detection of all strains of NDV
- World first commercialized rapid test kit for detection of NDV
- Sample swabs are included for convenient test specimen sampling
- Rapid test result: 10 minutes.
- Easy test procedure: No technical expertise required, Labor & Time saving.
- No additional equipment is required.

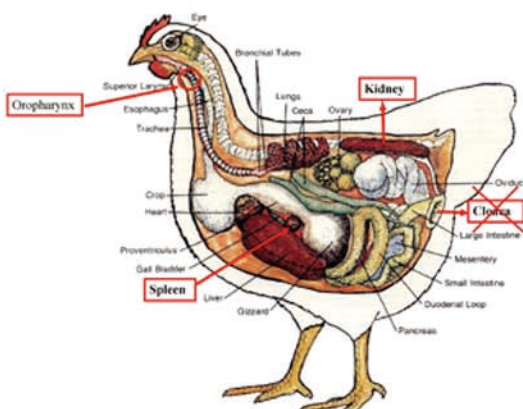
Test Procedures

1. Sample collection: Use oropharynx, spleen, or kidney
OR 20~50% Homogenates of spleen or kidney

2. Dilute the collected samples with assay diluent and add 4 drops into the sample hole.



3. Wait for 5~10 minutes and read the test result.



NDV Ag Positive



NDV Ag Negative

