

NDV Ag

Newcastle Disease virus antigen

Newcastle Disease (ND) is characterized by sneezing, coughing, and neurologic sign. Mortality rate is especially very high in the young age group (about 90%). Affected layer has poor egg quality and reduced egg production in initial phase but usually return to normal levels within four to eight weeks. ND can cause sudden death even in vaccinated poultry and spread rapidly to nearby flocks. Diagnosis is usually made by virus isolation, serology and clinical signs. It has been reported that hemagglutination inhibition (HI) test which is used widely in ND virus serology has cross reactions with other paramyxoviruses. The Anigen Rapid NDV Ag test kit is highly specific to NDV.



Indications

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

Special Features

- Detection of all NDV
- No cross-reaction with other avian viruses
- World's first commercialized rapid test kit for detection of NDV
- Specimens: Trachea, kidney or spleen
- Sensitivity: 94.7% vs. RT-PCR
- Specificity: 96.4% vs. RT-PCR

Sensitivity and Specificity tests

		RT-PCR	
		+	-
Anigen Rapid	+	18	3
NDV Ag	-	1	81

* Sensitivity : 94.7%, Specificity : 96.4%

Test Procedures

- 1 Collect swab sample from oropharynx, kidney or spleen.
- 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	Result
—	—	Negative
—	—	Positive
—	—	Invalid
—	—	Invalid

Ordering Information

Cat. No.	Description	Type	Packing size
RG1503DD	Rapid NDV Ag	Device	1 Test x 10/kit