

Newcastle Disease Virus Nucleic Acid Detection Kit

(Fluorescent PCR Method)

Newcastle disease is a highly contagious and sometimes fatal illness affecting poultry. It is caused by virulent strains of avian paramyxovirus type 1.

The disease often appears in three forms: lentogenic, mesogenic, and velogenic. The severity of the disease is a function of the virulence of the infecting viral strain. When the virus is introduced into a susceptible flock, virtually all the birds will be infected within two to six days. ND can present a clinical picture similar to avian influenza, so laboratory testing is important to confirm the diagnosis.

SIGNS OR SYMPTOMS



Respiratory signs
gaspings, coughing, sneezing and rales



Nervous signs
tremors, paralyzed wings and legs, twisted necks, circling, spasms, and paralysis



Digestive signs
diarrhoea



Reproductive signs
drop in egg production, watery albumen, egg abnormal in color, shape, or surface

FEATURES



Confidence in results

Screening flocks for presence or absence of Newcastle Disease Virus (NDV), detects all NDV strains



Various Specimen

Compatible with multiple sample types, including serum, pharyngeal/anal swab, tissue sample



Real-time RT-PCR based NDV detection

Provides a rapid test solution that detects NDV with a high degree of sensitivity and specificity



User-friendly

Widely applicable in instruments with FAM and Cy5 channels



Providing Integrated Solution

Highly efficient and reliable, Tianlong integrated PCR lab solution from devices to reagents can ensure great compatibility and minimized errors

DATA INTERPRETATION

Figure 1: Gradient concentration NDV amplification curve

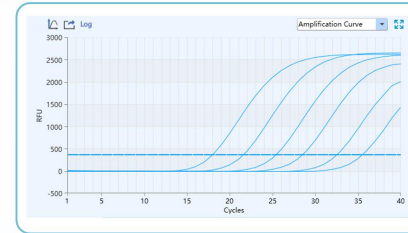
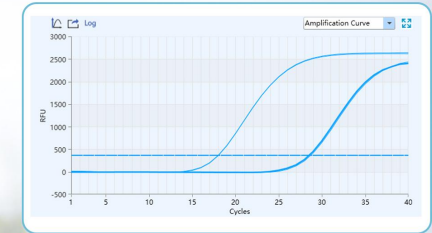


Figure 2: High concentration and low concentration NDV repetitive amplification curve



ORDERING INFORMATION

Product Name	Newcastle Disease Virus Nucleic Acid Detection Kit (Fluorescent PCR Method)
Cat.No	P695H
Specification	50T/Kit
Specimen	Serum, pharyngeal/anal swab, tissue sample
Sensitivity	500 copies/mL
Precision	< 5%
Storage & Validity	-25~-15°C for 12 months
Applicable Equipment	Instruments with FAM and Cy5 channels, such as Tianlong Gentier Real-time PCR systems, Applied Biosystems 7500 Real-time PCR Systems

ASSAY WORKFLOW

- 1 Sample Collection
- 2 Nucleic Acid Extraction
- 3 PCR Detection
- 4 Analysis and Report

