

Newcastle Disease Virus Nucleic Acid Detection Kit

(Fluorescence 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

<p>Respiratory signs gasping, coughing, sneezing and rales</p>	<p>Nervous signs tremors, paralyzed wings and legs, twisted necks, circling, spasms, and paralysis</p>
<p>Digestive signs diarrhoea</p>	<p>Reproductive signs drop in egg production, watery albumen, egg abnormal in color, shape, or surface</p>

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 poultry serum, tissues, organs, excretory secretions, and swabs of cloaca and throat
- 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 VIC 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

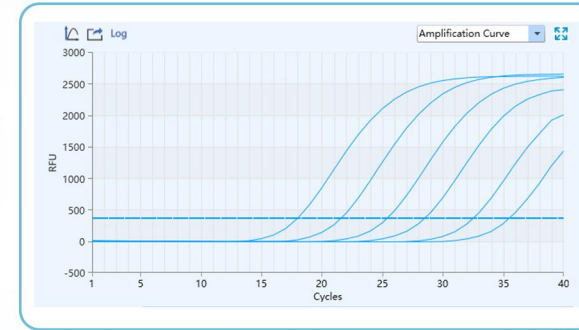
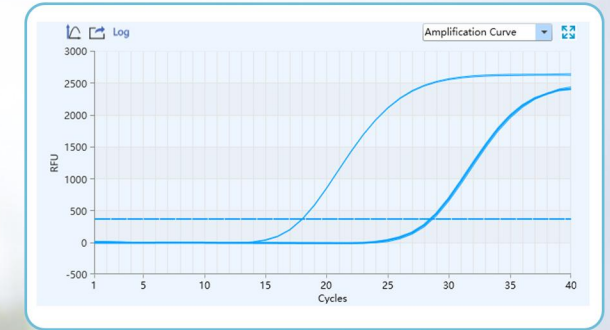


Figure 2: High concentration and low concentration NDV repetitive amplification curve



ORDERING INFORMATION

Product Name	Newcastle Disease Virus Nucleic Acid Detection Kit (Fluorescence PCR Method)
Cat.No	P695H
Specification	50T/Kit
Specimen	Poultry serum, tissues, organs, excretory secretions, and swabs of cloaca and throat
Sensitivity	500 copies/mL
Precision	< 5%
Storage & Validity	-25~-15°C for 12 months
Applicable Equipment	Instruments with FAM and VIC channels, such as Tianlong Gentier Real-time PCR systems, Applied Biosystems 7500 Real-time PCR Systems

ASSAY WORKFLOW

