

# Canine Distemper Virus (CDV) Nucleic Acid Detection Kit

(Fluorescence PCR Method)

Canine distemper is a contagious disease caused by the canine distemper virus (CDV). The distemper virus works by attacking the respiratory, gastrointestinal, and neurologic systems of dogs. This highly transmissible virus can also infect wild animals, such as raccoons, foxes, etc. Young or unvaccinated dogs are most susceptible.

Tianlong Canine Distemper Virus (CDV) Nucleic Acid Detection Kit provides a reliable and rapid detection solution for the qualitative detection of CDV nucleic acid in swab samples from eye, nose, and mouth of infected dogs. Based on the fluorescence PCR method, the kit can assist professionals in fast and accurate diagnosis of CDV infections.

## SIGNS OR SYMPTOMS

- High fever
- Lack of appetite
- Discharge from the eyes and nose
- Vomiting
- Coughing
- Canine hyperkeratosis

## TRANSMISSION ROUTE

- Airborne exposure (such as sneezing or coughing)
- Direct contact with an infected animal
- Shared food and water bowls from an infected animal
- Through the placenta

## FEATURES

- Fast Detection**  
Reliable and fast detection of Canine Distemper Virus (CDV), report in only 40 min (15 min for extraction, 25 min for PCR detection)
- Stable and Convenient**  
Freeze-dried type reagent, easy for storage and transportation, also avoiding contamination
- Endogenous Internal Control**  
With endogenous internal control in the kit to monitor and prevent false negative results effectively
- Providing Integrated Solution**  
Provide complete solution including devices and reagents that detects CDV with a high degree of sensitivity and specificity
- GMP Certified**  
Stick to the high-standard production process with GMP certification for qualified manufacture

## DATA INTERPRETATION

Figure 1: Gradient concentration CDV amplification curve

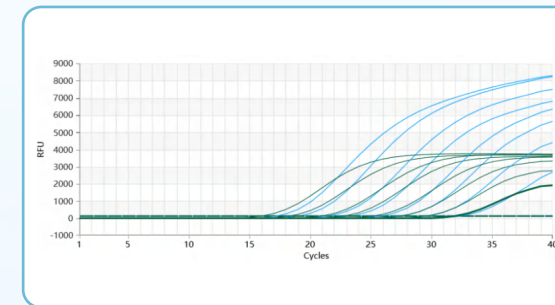
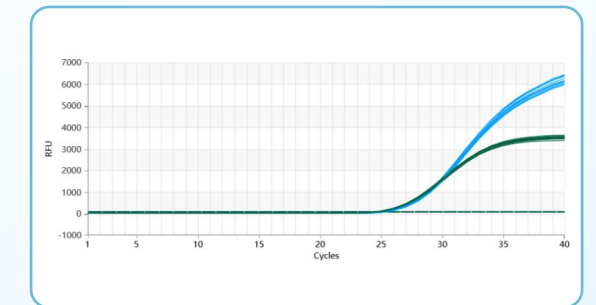


Figure 2: High concentration CDV repetitive amplification curve



## APPLICABLE INSTRUMENT

	Product Name	Sample Throughput	Certification
Nucleic Acid Extractor	Tianlong GeneFlex 16	16	CE/FDA
Real-Time PCR System	Tianlong Gentier mini	16	CE/FDA

## ORDERING INFORMATION

Product Name	Canine Distemper Virus (CDV) Nucleic Acid Detection Kit (Fluorescence PCR Method)
Cat.No	C101H
Specification	4T/Kit
Specimen	Body secretions (swab sample from eye, nose and mouth)
Sensitivity	≤1000 copies/mL
Precision	<1%
Storage & Validity	2°C to 30°C for 12 months

