

# Rapid Test Kit CDV/CAV Ag

How do you differentiate CAV from CDV?



## Background

Canine distemper is a highly contagious and often fatal disease in dogs, and is transmitted through contact with mucous and watery secretions discharged from the eyes and noses of infected dogs.

The canine adenovirus has two types of virus that can be and harmful to dogs, Type 1 is highly contagious and the cause of ICH (Infectious Canine Hepatitis) that results in damage to the liver, kidney and eyes, type 2 causes kennel cough that affects respiratory organs.

The Antigen CDV/CAV Ag Rapid Test Kit can discriminate between this two diseases when they are both suspected in a dog showing

## [Differentiation between CDV and CAV]

Symptoms \ Disease	CDV	CAV
Fever	Transient fever	High fever, Severe cough
Tonsils	Showing clinical sign at terminal stage	Acute tonsillitis
Clinical sign	Encephalitis, Pneumonia	Leukoma, Pneumonia
Neurologic	Yes	No
Inclusion body	Form within the cytoplasm of nerve cell	Form within the nucleus of liver, cell and endothelium
The Route of infection	Droplet infection, airborne infection	Respiratory infection
Mortality	50%	Less than 10%, Death at the beginning of disease

## Specifications

- Principle : Chromatographic immunoassay  
Monoclonal anti - CDV (Capture) – **CDV**  
– Monoclonal anti - CDV (Detector)  
Monoclonal anti - CAV (Capture) – **CAV**  
– Monoclonal anti - CAV (Detector)
- Purpose : Simultaneous detection and differentiation of Canine Distemper virus antigen and Adenovirus antigen
- Specimen : Conjunctiva and Nasal fluid
- Reading time : 10 minutes
- Sensitivity : CDV-97%, CAV-96.3%
- Specificity : CDV-97%, CAV-97.8%
- Shelf life : 24 months
- Storage temperature : 2~30°C
- Packing size : 10 Tests/Kit
- CAT. No.: RG11-08

## Clinical study of CAV Ag Test

1. Specimen: Canine adenovirus suspected 61 samples (Secretion of eye and nasal discharge) from the local animal hospital.
2. Gold standard : RT-PCR for Adenovirus

Sensitivity: 94% Specificity: 97%

		Anigen Adenovirus Ag test kit		Total
		Positive	Negative	
RT-PCR	Positive	11	7	18
	Negative	6	37	43
	Total	17	44	61

## Test procedures

