

Rapid Test Kit CIV Ag

Anigen Rapid Canine Influenza Virus Antigen Test Kit is a chromatographic immunoassay for the qualitative detection of Canine influenza virus H3N2 strain antigen in a canine nasal swab.



Background

It is new emerging disease for dogs. Canine Influenza is caused by a type A influenza virus. It is spreaded via aerosolized respiratory secretion and contaminated objects and people moving between infected and uninfected dogs. Clinical sign is similar to other respiratory diseases (CDV or Kennel cough) such as fever, cough, and nasal discharge. Some dogs are more severely affected with clinical signs of pneumonia, a high-grade fever and increased respiratory rate and effort. The morbidity rate associated with canine influenza is 100% and the mortality rate has ranged from 5%~8%.

[Canine Influenza Q&A]

■ When did outbreak of canine Influenza virus (CIV) recognize?

It is believed to have occurred in racing greyhound in January 2004 in Florida, U.S. Molecular studies indicated that canine influenza represents a mutation from Equine influenza Virus (H3N8). However, CIV was confirmed as H3N2 similar to Avian influenza virus of Asia in May 2007, Korea by the Anigen laboratory.

■ Can people be infected by canine influenza?

It is not an evidence of people being infected by this virus, but there may still be possible to infect human.

■ When is detected CIV Ag by Rapid kit?

Anigen Rapid CIV Ag test kit can detect CIV for 2 to 6 days after clinical signs. After 6 days, we recommend Anigen Rapid CIV Ab test kit for CIV diagnosis.

- We provide also Anigen Rapid CIV Ab test kit in late phase of CIV infection.

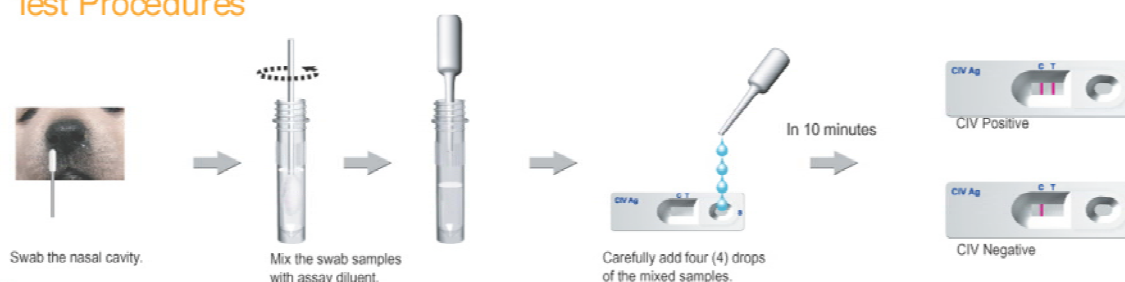
Specifications

- Principal : Chromatographic immunoassay
Monoclonal anti-influenza type A antibody (Capture) - CIV - Monoclonal anti-influenza type A antibody (detector)
- Purpose : Detection of CIV Ag
- Specimen : Nasal fluid
- Shelf life : 24 months
- Storage Temperature : 2~30°C
- Sensitivity : 90% Vs. PCR
- Specificity : 100% Vs. PCR
- Recommendation : Use after 2-4days of infection.
Anigen Rapid CIV Ab test kit is useful to detect antibody after that period.
- CAT. No.: RG11-07

Special features

- Early diagnosis of CIV using rapid detection kit.
- Confirm the pathogen causing generalized respiratory symptoms.
- World's first Rapid CIV Ag test kit

Test Procedures



Sensitivity and Specificity Study

Anigen CIV Ag		Nested PCR		
		Positive	Negative	Total
	Positive	9	0	9
	Negative	1	303	104
	Total	10	303	313

Sensitivity : 90% Vs. PCR
Specificity : 100% Vs. PCR

Cross Reaction Study

Pathogen	Titer	Results
Canine distemper	10 ^{4.5} EID ₅₀ /ml	Negative
Canine parvovirus	10 ⁶ EID ₅₀ /ml	Negative
Canine hepatitis virus	10 ⁶ EID ₅₀ /ml	Negative
Canine parainfluenza	10 ^{6.5} EID ₅₀ /ml	Negative
Boedetella bronchiseptica	10 ^{6.5} EID ₅₀ /ml	Negative