

## Rapid Test Kit

# CPV/CCV Ag

**Anigen Rapid CPV/CCV Ag Test Kit** is a solid phase chromatographic immunoassay for the simultaneous qualitative detection and differentiation of Canine Parvovirus antigen and Coronavirus antigen in canine feces.



## Background

Canine Parvovirus and Coronavirus cause sporadic outbreaks of vomiting and diarrhea in dogs, and are widely distributed throughout the world. The rate of simultaneous infection of CPV and CCV is up to 25% of CPV infections (Evermann 1989). If a simultaneous infection with CPV occurs, it would be more severe than a single virus infection and often fatal. The clinical signs of CCV are usually mild to severe enteritis and a dog will usually recover, however deaths have been reported in young pups. The clinical signs of CPV and CCV are very similar (diarrhea and vomiting) making it difficult to differentiate which virus is the causative agent by clinical signs alone.

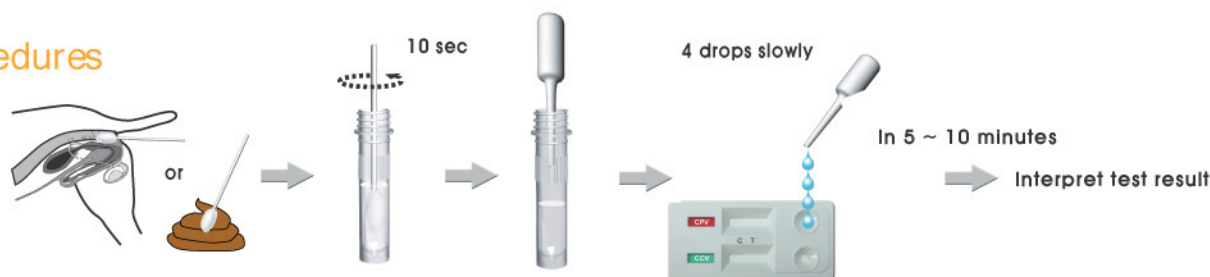
## Specifications

- Principle: Immunochromatographic assay using Direct Sandwich Method
  - Monoclonal anti-CPV(Capture) - CPV - Monoclonal anti-CPV(Detector)
  - Monoclonal anti-CCV(Capture) - CCV - Monoclonal anti-CCV(Detector)
- Purpose: Simultaneous detection and differentiation of Canine parvovirus antigen and Coronavirus antigen
- Specimen: Canine feces
- Reading time: 5 - 10 minutes
- Sensitivity: (1) CPV Ag - 100% (CPV 2, CPV 2a, CPV 2b) vs. HA Test  
(2) CCV Ag - 93.1% vs. nested PCR
- Specificity: (1) CPV Ag - 98.8% vs. HA Test  
(2) CCV Ag - 97.5% vs. nested PCR
- No cross reaction with CDV, ICH, PI2, other parasite
- Detection limit: (1) CPV Ag -  $10^{3.0}$  TCID<sub>50</sub>/ml (2) CCV Ag-  $10^{5.0}$ TCID<sub>50</sub>/ml
- Shelf life: 24 months
- Storage temperature: 2 ~ 30°C
- Packing size: 10 Tests/Kit
- CAT. No.: RG11-05

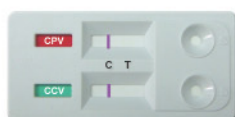
## Special Features

- Simultaneous detection of CPV Ag and CCV Ag with one specimen preparation ⇒ aids a veterinarian in the choice of treatment
- Excellent tool for prognosis:
  - (1) CPV/CCV dual infections are often fatal
  - (2) CCV only infection has a good prognosis
  - (3) CPV only infection has a poor prognosis
- Cost effective
- World's first CPV Ag and CCV Ag combo test
- No detection of CPV and CCV from vaccinations
- Rapid test result: 10 minutes
- One step testing procedure: Easy to use, saving time and labor
- No additional equipment is required

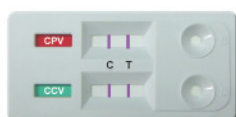
## Test Procedures



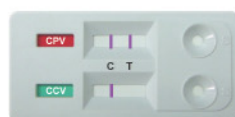
## Interpretation of the result



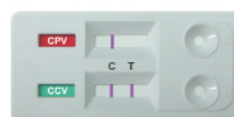
1) Negative result



2) Simultaneous CPV and CCV Positive result



3) CPV Positive result



4) CCV Positive result