

Introduction

Canine Parvovirus (CPV) is a HIGHLY CONTAGIOUS virus that attacks the inner layers of the intestine of dog, causing loss of appetite, fever, vomiting, occasionally bloody diarrhea and rapid dehydration. The severe clinical symptom is a deadly threat to life of dog and puppy. The structure of CPV has a small nonenveloped single-stranded deoxyribonucleic acid (DNA) virus that is resistant to inactivation and remains infectious in the environment for 5–7 months. It is very important to clean and sterile room and isolate the infected dog for blocking spread of virus. The variants of CPV have been identified CPV2, CPV2a, CPV2b and CPV2c until nowadays. The viruses cause also panleukopenia to feline and the two diseases are almost identical.

Specifications

- Principle: Immunochromatographic assay
Gold conjugate; monoclonal anti-nucleocapsid protein of CPV
Test line detector; monoclonal anti-nucleocapsid protein of CPV
- Detection; variants, CPV2, CPV2a and CPV2b. Not assayed CPV2c.
- Specimen: Feces
- Sensitivity: 100% (79/79) to Hemagglutination test
- Specificity: 99.1% (2/243)
- No cross reaction: CCV, CDV, CPI, ICH, Mycoplasma and E.coli
- Detection limit: 10^2 TCID₅₀/ml (0.125 HAU)
- Detection time: 5– 10 minutes
- Shelf life: 18 months
- Storage temperature: 2~30°C
- Packing size: 10 Tests/Kit.

Table 1. Comparison result of sensitivity study with HA test

No of Specimen	RapiGEN CPV Ag Test	HA TEST
79	79/79	79/79
Sensitivity	100% to HA	

Table 2. Comparison result of sensitivity study with HA test

No of Specimen	RapiGEN CPV Ag Test	HA TEST
243	2/243	0/243
Specificity	99.3% to HA	

Features

- Powerful detection rate on a variety of CPV variants :
From many clinical experiences, we observed the cases that were positive by RapiGEN CPV Ag test and PCR method but negative by other CPV kits, leading to a serious and fatal result of patient dogs. When you encounter the same situation, we recommend you to treat the patient dogs for their healthy life.
- Smart sample collection tube will provide simple sample collection and experiment, protection of human, animal and environment from contamination with putative infectious agents
- Quick diagnosis of CPV in the field and laboratory without additional equipment and technical skill
- High sensitivity
- Save labor and time to deliver the specimens to clinical laboratory
- High specificity to other virus and bacteria.
- Long shelf life

Procedures

