Anigen Rapid CDV Ag Test Kit

Principles
The Anigen Rapid CDV Ag Test Kit is a chromatographic immunoassay for the qualitative detection of Canine Distemper virus antigen in conjunctiva, urine, serum or plasma.

Materials provided (10 tests/kit)
1) Ten(10) Anigen Rapid CDV Ag Test Kits
2) Ten(10) Specimen tubes containing assay diluent buffer
3) Ten(10) Sample collection swabs
4) Ten(10) Disposable droppers
5) One(1) Instruction for use

Precautions
1) For veterinary diagnostic use only.
2) For best results, strict adherence to there instructions is required.
3) All specimens should be handled as being potentially infectious.
4) Do not open or remove test kit from their individually sealed pouches until immediately before their use.
5) Do not use the test kit if the pouch is damaged or the seal is broken.
6) Do not reuse test kit.
7) All reagents must be at room temperature before running the assay.
8) Do not use reagents beyond the stated expiration date marked on the label.
9) The components in this kit have been quality control tested as standard batch unit.
   Do not mix components from different lot numbers.

Storage and Stability
The kit can be stored at room temperature(2~30℃) or refrigerated. The test kit is stable through the expiration date marked on the package label. DO NOT FREEZE. Do not store the test kit in direct sunlight.

Specimen Collection and Preparation
1) The test should be performed using the canine secretion of eye/the conjunctiva), saliva, urine, serum or plasma.
2) After collecting the specimen using swab, the specimen should be immediately extracted and tested.
3) If specimens are not immediately tested, they should be refrigerated at 2~8℃. For storage not less than 48 hours, freeze the specimen at -20℃ or below.

Procedure of the test
1) Collect the samples from conjunctiva or urine using the sample collection swab pre-wetted with saline solution. In case of serum or plasma samples, you can use the dropper.
2) Insert the swab into the specimen tube containing 300ul of assay diluent. In case of serum or plasma samples, add 2-3 drops of the serum or plasma into the specimen tube containing 300ul of assay diluent using the dropper.
3) Mix the swab samples with assay diluent to extract well.
4) Remove the test device from the foil pouch, and place it on a flat and dry surface.
5) Add four (4) drops of the mixed sample into the sample hole using the dropper, drop by drop and slowly
6) As the test begins to work, you will see purple color move across the result window in the center of the test device. If the migration has not appeared after 1 minute, add one more drop of the mixed sample to the sample well.
7) Interpret test results at 5-10 minutes.

Interpretation of the test
A color band will appear in the left section of the result window to show that the test is working properly. This band is the control band. The right section of the result window indicates the test results. If another color band appears in the right section of the result window. This band is the test band.

1) Negative result
The presence of only one band within the result window indicates a negative result.

2) Positive result
The presence of two color bands (“T” and “C”) within the result window, no matter which band appears first indicates a positive result.

3) Invalid Result
If the purple color band is not visible within the result window after performing the test, the result is considered invalid. The directions may not have been followed correctly or the test may have deteriorated. It is recommended that the specimen be re-tested.

Limitations of the test
Although the Anigen Rapid Canine Distemper virus Ag Test kit is very accurate in detecting Canine Distemper virus antigen, a low incidence of false results can occur. Other clinically available tests are required if questionable results are obtained. As with all diagnostic tests, a definitive clinical diagnosis should not be based on the results of a single test, but should only be made by the veterinarian after all clinical and laboratory findings have been evaluated.

Bibliography of suggested reading
4) Veronika von Messling, Timm C. Harber, Volker Moenning, Peter Rautenberg, Ingo Molte and Ludwig Haas “Rapid and Sensitive Detection of Immunglobulin M(IgM) and IgG antibodies against Canine Distemper Virus by a New Recombinente Nucleocapsid Protein – Based Enzyme- Linked Immunosorbent Assay” Journal of Clinical Microbiology Vol. 37, No. 4 Apr. 1999, P. 1040–1056