

# ONE STEP Canine Distemper Virus Antigen and Canine Adenovirus Antigen

For veterinary diagnostic use only

## Anigen Rapid CDV/CAV Ag Test Kit

### Principles

The **Anigen Rapid CDV/CAV Ag Test Kit** is a chromatographic immunoassay for the qualitative detection of Canine Distemper virus antigen and Adenovirus antigen in canine conjunctiva.

The **Anigen Rapid CDV/CAV Ag Test Kit** has two letters which are test line (T) and control line (C) on the surface of the device. The test line and control line in the result window are not visible before applying any samples. The control line is a reference line which indicates the test is performing properly. It has to appear every time when the test has performed. If the CDV and/or CAV antigen is(are) present in the sample, a purple test line would appear in the result window.

The highly selective CDV antibodies and CAV antibodies are used as capture and detector materials. These are capable of detecting CDV antigen and CAV antigen in canine sample with high accuracy.

### Materials provided (10 Tests/Kit)

Materials	10 Tests/Kit
Anigen Rapid CDV/CAV Ag Test Device	10
Assay diluent tube	10
Disposable swab	10
Disposable dropper	10
Instructions for use	1

### Materials required, but not provided

- 1) Timer

### Precautions

- 1) The test Kit is for canine use only. Do not use for other animals.
- 2) The test device is sensitive to humidity as well as heat. Perform the test immediately after removing the test device from the foil pouch.
- 3) Do not reuse test components.
- 4) Apply the sample using disposable dropper vertically.
- 5) Do not touch the membrane in the result window of test device.
- 6) Do not use the test kit beyond the stated expiration date marked on the package label.
- 7) Do not use the test kit if the pouch is damaged or the seal is broken.
- 8) Do not mix components from different lot numbers because the components in this kit have been quality control tested as standard batch unit.
- 9) All samples should be handled as being potentially infectious. Wear protective gloves while handling samples. Wash hands thoroughly afterwards.
- 10) Decontaminate and dispose of all samples, used kits and potentially contaminated materials safely in accordance with national and local regulations.

### Storage and Stability

- 1) Store the test kit at 2~30°C. **DO NOT FREEZE.**
- 2) Do not store the test kit in the direct sunlight.
- 3) The test kit is stable within the expiration date that marked on the package label.

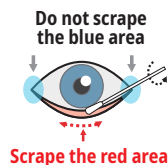
### Collection and Preparation of Sample

- 1) Canine conjunctiva swab sample should be used for this test.
- 2) The samples should be tested immediately after collection.

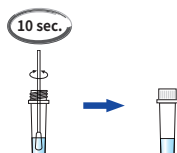
### Procedure of the Test

- 1) All reagents must be at room temperature(15~30°C) before use.

- 2) Collect the samples from conjunctiva using the disposable swab.



- 3) Insert the swab into the assay diluent tube and mix the swab for 10 seconds.
- 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 vertically.



- 6) Start the timer. The sample will flow across the result window. If the migration does not appear after 1 minute, add one more drop of the prepared sample to the sample hole.



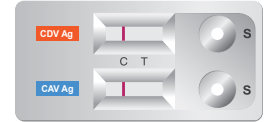
- 7) Interpret test results at 10 minutes. Do not read after 20minutes.

### Interpretation of the Result

#### 1) Negative result

##### \* No CDV and CAV infection

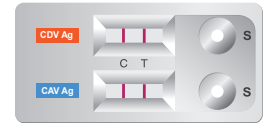
Only control ("C") line appears in the result window.



#### 2) Positive result

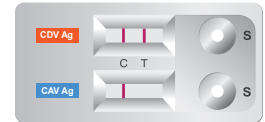
##### \* Simultaneous CDV and CAV infection

The presence of two color bands ("T" and "C") on both of the CDV Ag and CAV Ag test areas respectively.



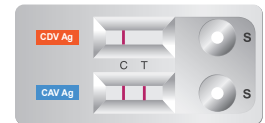
##### \* CDV infection

The presence of two color bands ("T" and "C") on the CDV Ag test area, and the presence of one band ("C") on the CAV Ag test area.



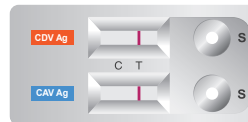
##### \* CAV infection

The presence of two color bands ("T" and "C") on the CAV Ag test area, and the presence of one band ("C") on the CDV Ag test area.



#### 3) Invalid Result

If the control("C") line does not appear, the result might be considered invalid. The sample should be retested.



### Limitations of the Test

- 1) Although the Anigen Rapid CDV/CAV Ag test kit is very accurate in detecting Canine Distemper Virus antigen and Canine Adenovirus 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.
- 2) The reading window may show a light pink background coloration; this will not affect the accuracy of the results.
- 3) BioNote and its distributors cannot be held responsible for the consequences of misuse or misinterpretation of the results given by the test.

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