ONE-STEP Canine Parvovirus, Canine Coronavirus and Giardia Antigen Test

For veterinary diagnostic use only

Anigen Rapid CPV/CCV/Giardia Ag Test Kit 2.0

■ Principles

The Anigen Rapid CPV/CCV/Giardia Ag Test Kit 2.0 is a chromatographic immunoassay for the qualitative detection of Canine parvovirus, Canine coronavirus, and Giardia antigen in canine feces.

The Anigen Rapid CPV/CCV/Giardia Ag Test Kit 2.0 is divided into CPV/CCV part and Giardia part. CPV/CCV part is inscribed with three letters which represent the test("T2") line for Canine parvovirus antigen, test("T1") line for Canine coronavirus antigen, and control("C") line. Giardia part is inscribed with two letters which represent the test("T") line for Giardia antigen, and control("C") line. 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. The control line has to appear every time when the test has performed. If the target antigens are present in sample, a purple test line would appear in the result window.

The highly selective antibodies to target antigen are used as each capture and detector in the assay. These are capable of detecting Canine parvovirus, Canine coronavirus, and Giardia antigen in sample with high accuracy.

■ Materials provided

Reagent	5 Tests/Kit
Anigen Rapid CPV/CCV/Giardia Ag Test Device 2.0	5
Assay diluent tube for CPV/CCV Ag (P)	5
Assay diluent tube for Giardia Ag (G)	5
Disposable swab	10
Disposable dropper	10
Instructions for use	1

■ Materials required, but not provided

1) Timer

■ Precautions

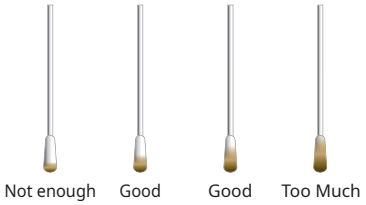
1) The test kit is for canine use only. Do not use for other animals.
2) The test device is sensitive to humidity as well as heat. Perform the test immediately after removing the test device from the foil pouch.
3) Do not reuse the test components.
4) Apply the sample using dropper vertically.
5) Do 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.
11) The target protein of Giardia Ag test is very stable and resistible to various intestinal condition, so some cases after the treatment of Giardia may still show false postive result. Thus, the Giardia part of this test kit is not suitable to be used for verifying the progress of treatment and determining cure, and is only recommended for primary antigen screening.

■ 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

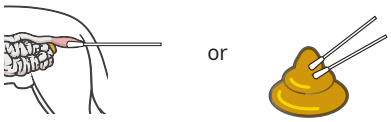
1) The canine feces should be used as a sample for this test.
2) The samples should be tested immediately after collection.
3) If samples are not tested immediately, they should be stored at 2~8°C for 24 hours. For longer storage, freeze at -20°C or below.
4) The amount of fecal swab may affect the results. It is required to follow the swab amount of feces as shown in the picture on the below. Excessive fecal amount may induce a false positive result and slow migration.



■ Procedure of the Test

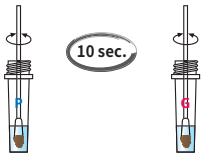
1) All reagents and samples must be at room temperature (15~30°C) before use.

2) Collect the sample for CPV/CCV Ag using a swab. Then collect the sample for Giardia Ag test using a new swab.



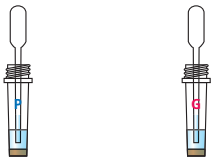
3) Insert each swab into a separate assay diluent tube and mix the swabs until the sample has been dissolved into the assay diluent (Approximately 10 sec).

*** CPV/CCV Ag (P) Giardia Ag (G)**

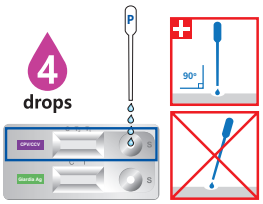


4) Wait for 1 minute to settle down the large particles.

5) Remove the test device from the foil pouch, and place it on a flat and dry surface.

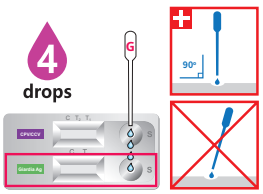


6) Using a disposable dropper, take the supernatant sample from the CPV/CCV tube (P). Then add 4 drops into the sample hole (S) of CPV/CCV, drop by drop vertically.



7) Using a new disposable dropper, take the supernatant sample from the Giardia tube (G). Then add 4 drops into the sample hole (S) of Giardia Ag, drop by drop vertically.

* NOTE: Use different disposable droppers for assay diluent (P) and assay diluent (G).



8) Start the timer. The sample will flow across the result window. If it does not appear after 1 minute, add one more drop of mixed sample to the sample hole.

9) Interpret test results at 10 minutes. Do not read the result after 20 minutes.

■ Interpretation of the Result

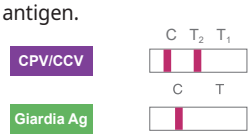
1) Negative Result

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

2) Positive Result

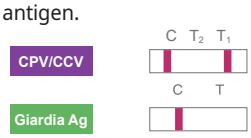
- **CPV Ag Positive Result**

Test (“T2”) line and control (“C”) line within the result window indicate the presence of CPV antigen.



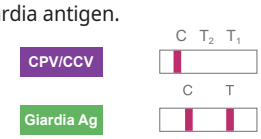
- **CCV Ag Positive Result**

Test (“T1”) line and control (“C”) line within the result window indicate the presence of CCV antigen.



- **Giardia Ag Positive Result**

Test (“T”) line and control (“C”) line within the result window indicate the presence of Giardia antigen.



3) Invalid Result

If the control(“C”) line does not appear, the result is considered invalid. The sample should be re-tested.

■ Limitations of the test

1) Although the Anigen Rapid CPV/CCV/Giardia Ag Test Kit 2.0 is very accurate in detecting Canine parvovirus, Canine coronavirus, and Giardia antigen, a low incidence of false results can be occurred. Other clinical or laboratory tests might be required if questionable results are obtained. As other diagnostic tests, a definitive clinical diagnosis should not be based on the result of a single test, but should be diagnosed 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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Manufactured by BIONOTE
BioNote, Inc.
22 Samsung1ro 4-gil, Hwaseong-si, Gyeonggi-do 18449, Republic of Korea
TEL: 82-31-211-0516 I FAX : 82-31-8003-0618 I www.bionote.co.kr