Canine Parvovirus CPV, Coronavirus CCV & Giardia Antigen

AffiVET® Rapid Test Kit

AFG-VR-45

5 Tests

Material Required

(5) 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)
(10) Disposable Swab
(10) Disposable Dropper
(01) Instruction of Use
(01) Timer (Not Provided)

Storage

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

Principle

- The AffiVET® Canine CPV/CCV & Giardia Ag Test Kit is a chromatographic immunoassay designed for the qualitative detection of Canine Parvovirus, Canine Coronavirus, and Giardia antigen in canine fecal samples.
- This kit is designed with precision, offering two distinct components: the CPV/CCV section and the Giardia section. Within the CPV/CCV part, each vital component is designated by three letters: 'T2' signifies the test line for Canine parvovirus antigen, 'T1' indicates the test line for Canine coronavirus antigen, and 'C' denotes the control line. Similarly, the Giardia part is labeled with two letters: 'T' for the test line detecting Giardia antigen, and 'C' for the control 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.

Precautions

1. This test kit is specifically designed for canine use only. It should not be used for other animals.
2. The test device is sensitive to both humidity and heat. Ensure to perform the test immediately after removing the device from the foil pouch.
3. Avoid reusing any test components.
4. Apply the sample using the dropper vertically.
5. Refrain from touching the membrane in the result window of the test device.
6. Do not utilize the test kit beyond the expiration date stated on the package label.
7. Do not use the test kit if the pouch shows signs of damage or if the seal is broken.
8. Do not mix components from different lot numbers, as each kit's components have undergone quality control testing as standard batch units.
9. Handle all samples as potentially infectious. Wear protective gloves during sample handling and ensure thorough handwashing afterward.
10. Safely decontaminate and dispose of all samples, used kits, and potentially contaminated materials following national and local regulations.
11. The Giardia Ag test targets a protein known for its stability and resistance to various intestinal conditions. Therefore, in some cases, even after Giardia treatment, false positive results may occur. Consequently, this test kit's Giardia segment is not suitable for verifying treatment progress or determining a cure. It is solely recommended for primary antigen screening purposes.

Sample
Collection & Preparation

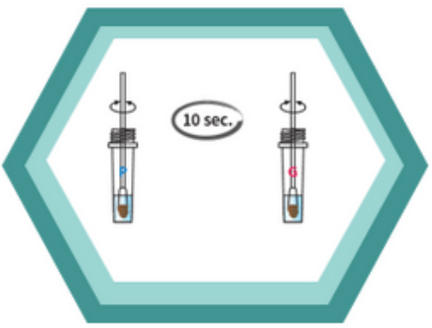
1. Use canine feces exclusively as sample for this test.

2. Test the samples immediately after collection.

3. If immediate testing isn't possible, store the samples at 2~8°C for up to 24 hours. For longer storage periods, freeze the samples at -20°C or below.

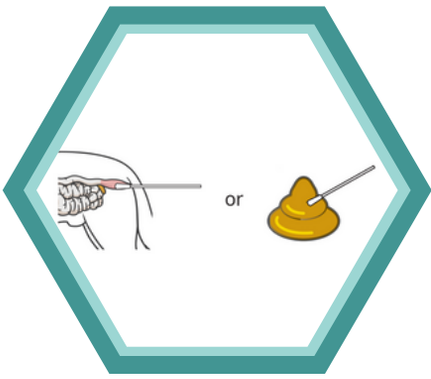
4. Ensure to use the appropriate amount of fecal swab as indicated in the provided picture. Excessive fecal material may lead to false positive results and slow migration.

Test Procedure



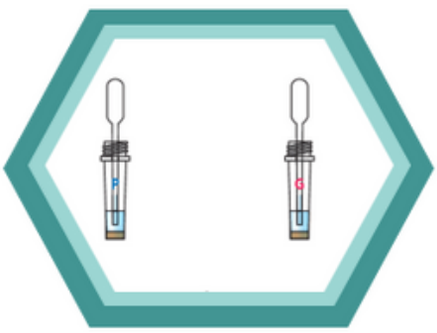
1. All reagents and samples must be at room temperature (15~30°C) before use.

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

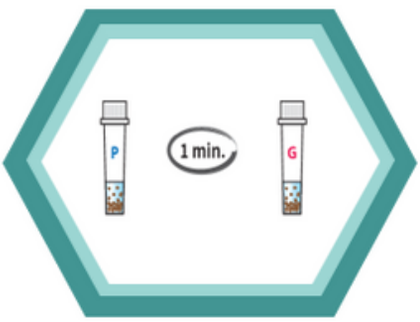


3. Insert each swab into a separate assay diluent tube and mix the swabs until the sample has been dissolved into the assay diluent (Approximately 10 sec).

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

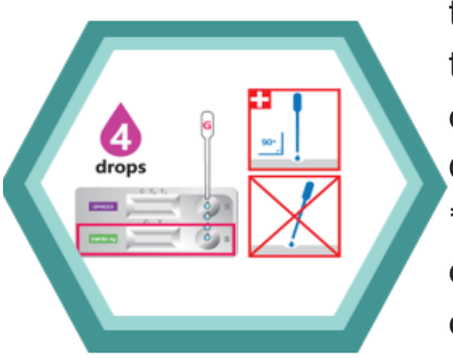


4. Wait for 1 minute to settle down the large particles.

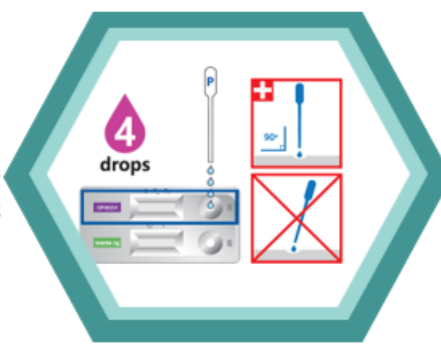


5. Remove the test device from the foil pouch, and place it on a flat and dry surface.

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.

Result Interpretation

Negative Result

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

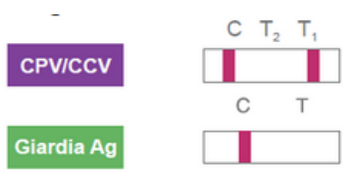
Positive Result

- **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.

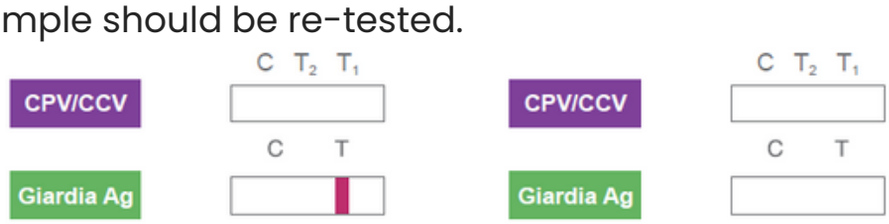


- **Giardia Ag Positive Result**

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

Invalid Result

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



Limitations

1. While The AffiVET® Canine CPV/CCV & Giardia Ag Test Kit is highly 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 exhibit a light pink background coloration, which will not impact the accuracy of the results.

3. AffiGEN Inc. and its distributors cannot be held liable for any consequences resulting from the misuse or misinterpretation of the test results.

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