## ONE STEP IgG to Canine Parvovirus TEST

# Anigen Rapid CPV Ab Test Kit 2.0

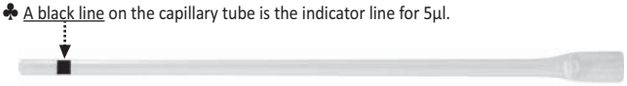
### ■ Principles

**Anigen Rapid CPV Ab Test Kit 2.0** is a chromatographic immunoassay for the semi-quantitative detection of IgG to parvovirus in canine serum, plasma or whole blood.
**Anigen Rapid CPV Ab Test Kit 2.0** has two letters which are test("T") line and control("C") line on the surface of device. 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 antibodies are present in sample, a purple test line would appear in the result window.
The highly selective antigens are used as each capture and detector in the assay. These antigens are capable of detecting IgG antibody to canine parvovirus in sample with high accuracy.

### ■ Materials provided (10Tests/Kit)

1) Ten (10) Anigen Rapid CPV Ab Test 2.0 Devices
2) Ten (10) Assay diluents tubes
3) Ten (10) Disposable capillary tubes (5µl)
4) Ten (10) Anticoagulant tubes
5) Ten (10) Disposable droppers
6) One (1) Color scale (1~6) measurement
7) One (1) Instructions for use

♣ A black line on the capillary tube is the indicator line for 5µl.



### ■ 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 re-use 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, reaction 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 kits in the direct sunlight.
3) The test kit is stable within the expiration date marked on the package label.

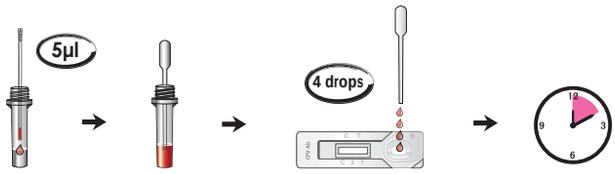
### ■ Collection and Preparation of Sample

1) Canine whole blood, serum, or plasma should be used with this test.
**[Whole blood]** Collect the whole blood into the anticoagulant tube (Max. vol. 1.5ml) provided. If anticoagulated whole blood is not used immediately or tested within 24 hours, it should be refrigerated at 2~8°C.
**[Serum]** Collect the whole blood into the collection tube (NOT containing anticoagulants such as heparin, EDTA and sodium citrate), leave to settle for 30 minutes for blood coagulation and then centrifuge to get serum supernatant.
**[Plasma]** Collect the whole blood into the collection tube (containing anticoagulants such as heparin, EDTA and sodium citrate) and then centrifuge to get plasma.
2) If serum or plasma samples are not tested immediately, they should be refrigerated at 2~8°C. For longer storage, freezing is recommended. Frozen samples should be brought to room temperature (15~30°C) prior to use.
3) Samples containing precipitate may yield inconsistent test results. Such samples must be clarified prior to assaying.
4) The use of hemolytic, lipaemic, icteric or bacterially contaminated samples should be avoided. Erroneous result may occur.

### ■ Procedure of the Test

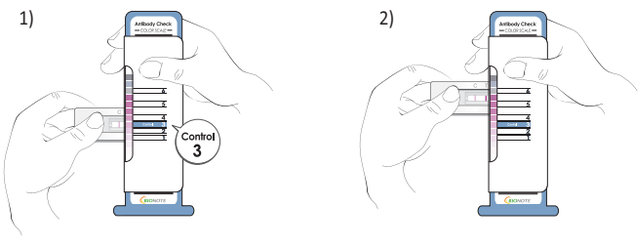
1) Allow all kit components and sample to reach room temperature prior to testing.
2) Collect **5µl of sample** using capillary tube (black line), and then add the specimen into the assay diluents tube.
3) Remove the test kit from the foil pouch prior to use.
4) Using the disposable dropper provided, take the samples in the tube.
5) **Add four (4) drops** into the sample hole, drop by drop vertically.
6) Start the timer. The sample will flow across the result window. If it does not appear after 1 minute, add one more drop of prepared sample to the sample hole.
7) Interpret the test results at **10 minutes**. Do not interpret after 20 minutes.

**[Figure of Test procedure]**



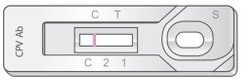

### ■ Use of color scale

1) Compare the color development on the control line with color scale and fix it to the scale 3.
2) Interpret the color intensity of the test line.



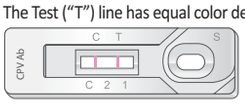

### ■ Interpretation of the Result

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

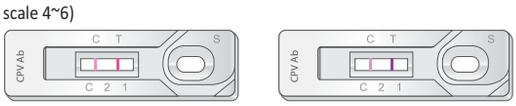



2) **Positive result**
• **Low titer (Below 1:40 as HI titer)**
The color development of Test ("T") line is weaker than that of control ("C") line. (Color scale 1~2)

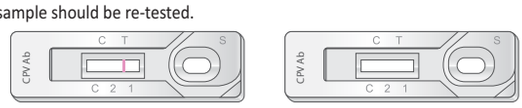

**Antibody titer is low against CPV.
• **Medium Titer (1:80 as HI titer)**
The Test ("T") line has equal color development with control ("C") lines. (Color scale 3)




**Antibody titer is medium against CPV. This is indicative of a good immune status.
• **High Titer (Above 1:160 as HI titer)**
The color development of Test ("T") line is higher than that of control ("C") line. (Color scale 4~6)




**Antibody titer is high against CPV. This is indicative of a good immune status.
3) **Invalid result**
If the control ("C") line is does not appear, the result might be considered invalid. The sample should be re-tested.




### ■ Limitation of the Test

1) Although the Anigen Rapid CPV Ab Test kit 2.0 is very accurate for detecting IgG to Canine parvovirus, a low incidence of false results can be occurred. Other clinical and/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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