SensPERT® CCV Ag/CPV Ag/GIA Ag Test kit
(Canine Coronavirus/Parvovirus/Giardia)

◆ Principles

CCV Ag test Kit: SensPERT Canine Coronavirus Test Kit is designed to detect the antigens of canine coronavirus in canine feces. Two monoclonal antibodies in the kit specifically bind with different epitopes of the antigens. After being absorbed into the cellulose pad, the antigens of canine coronavirus move and bind with gold-colloid complex of monoclonal anti-canine coronavirus of the conjugate pad, forming Ab-Ag complex. This complex, then, forms Ab-Ag-Ab direct sandwich binding with the antibody of another monoclonal anti-canine coronavirus in the nitrocellulose membrane. The test results can appear on Control and Test lines where the principles of immunochromatography are applied.

CPV Ag test Kit: SensPERT Canine Parvovirus Test Kit is designed to detect the antigens of canine parvovirus in canine feces. Two monoclonal antibodies in the kit specifically bind with different epitopes of the antigens. After being absorbed into the cellulose pad, the antigens of canine parvovirus move and bind with gold-colloid complex of monoclonal anti-canine parvovirus of the conjugate pad, forming Ab-Ag complex. This complex, then, forms Ab-Ag-Ab direct sandwich binding with the antibody of another monoclonal anti-canine parvovirus in the nitrocellulose membrane. The test results can appear on Control and Test lines where the principles of immunochromatography are applied

GIA Ag test Kit: SensPERT Giardia Test Kit is designed to detect the antigens of *Giardia lamblia* in feces. Two antibodies in the kit specifically bind with different epitopes of the antigens. After being absorbed into the cellulose pad, the antigens of *Giardia lamblia* move and bind with gold-colloid complex of anti-Giardia of the conjugate pad, forming Ab-Ag complex. This complex, then, forms Ab-Ag-Ab direct sandwich binding with the antibody of another monoclonal anti-Giardia in the nitrocellulose membrane. The test results can appear on Control and Test lines where the principles of immunochromatography are applied.

◆ Characteristics

1) One-step rapid test of CCV Ag/CPV Ag/GIA Ag
2) Rapid test results between 5 ~ 10 minutes
3) Expensive equipment not required
4) Easy storage and maintenance
5) High-purity and high-quality materials of the test kit increase its sensitivity and specificity.

◆ Materials (10 tests/kit)

1) Test ---------- 10 units
2) Sample collection bottle with diluent buffer---------- 1 ㎖ x 10 units
3) Disposable dropper ---------- 10 units
4) Swab for sample collection ---------- 10 units

◆ Composition

Specimen well (S: for dropping), Test line (T), and Control line (C) are marked on the device. Inside of it, the strip is composed of sample pad, conjugate pad, nitrocellulose membrane (test paper) and absorbent pad

◆ Effect

Simultaneous detection of antigens of CCV and CPV and GIA in canine feces

◆ Uses

1) Specimen

Canine feces

2) Test procedure

a) Collect canine feces with a swab and put the swab into a sample tube containing 1㎖ of buffer.

♠ Do not use sticky feces or a lump of feces.

b) Swirl the buffer with the swab.

c) Drop 4 drops (100 ㎕) into each specimen well (S).

d) Read the test results within 5~10 minutes.

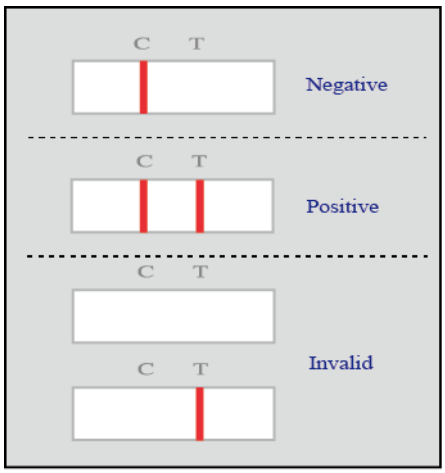
♠ Invalid result after 10 minutes

3) Interpretation of the results

A purple band should appear on the control line regardless of the test result. The presence of another band on the test line determines the result.

Control Line (C) : The line should always appear. If this line does not appear, the test should be considered invalid. This might be because of impure buffer or the lack of specimen. It should be tested again with another kit.

Test Line (T) : The presence of CCV Ag and/or CPV Ag and/or GIA Ag determines the test line.



◆ Further examinations

This test is for primary screening only. Consult veterinarians for further necessary examinations to obtain clinical test results.

◆ Precautions

1) Use for canine *in-vitro* diagnostic purposes only.
2) Use within 10 minutes after opening the pouch because the test kit is very sensitive to moisture and its effect may diminish.
3) Be careful of not touching the result window.
4) Every specimen should be used with different droppers.
5) For testing, the buffer included should be used.
6) Do not use specimen showing hemolysis or being contaminated with microbes, which may cause false positive or false negative result.
7) Deal with specimen carefully. They can deliver unknown virus or infectious bacteria.
8) Use disposable gloves when you suspect the infection caused by specimen. And wash your hands later.
9) Dispose solid wastes after sterilizing them at 121℃ for over 1 hour.
10) Do not use the kit when its pouch is torn, sealing is not good in shape or expiration date is passed.

◆ Storage method

The test kits stored at 2~30℃ can be used for 24 months after manufacturing. Do not keep them in a refrigerator. However, if they are stored under cold circumstances, keep them at room temperature for 15 ~ 30 minutes before use.

◆ Exchange

The test kits are manufactured under strict quality control system. Nevertheless, if they are deteriorated during delivery, ask our distributors for exchange.

◆ Liability

The entire risk due to the performance of this product is assumed by the purchaser. The manufacturer shall not be liable for indirect, special or consequential damages of any kind resulting from use of this product.

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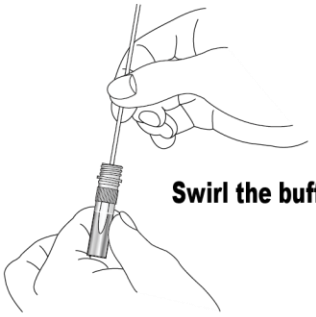
SensPERT®

Instruction for CCV/CPV/GIA Ag test

The amount of sample : 100 ㎕

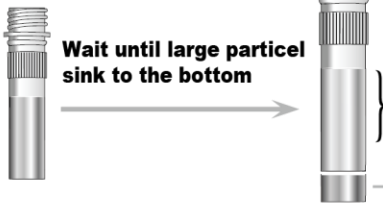
1 Sampling

1. Do not use sticky or a lump of feces.
2. Do not collect too much feces.
   Maximum quantity : 30 mg
   (Fig : Swab with 30 mg of feces)



Swirl the buffer with the swab

2 Use the Supernatant layer



Wait until large particel sink to the bottom

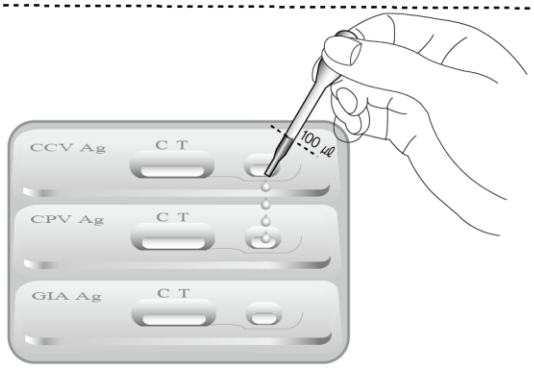
Supernatant layer for use

Large particle layer

3 Loading

4 drops (100㎕) each into the sample hole

** Do not overload the sample



4 Reading

00:05:00~00:10:00

\+ −

Read the result 10 min

5 Discard

00:10:00

Discard the used device

In valid result after 10 min