INTENDED USE

The Felivet FCV-FHV-FPV Ab Combo Test is a lateral flow immunochromatographic assay for the semi-quantitative detection of FCV-FHV-FPV Antibody (FCV-FHV-FPV Ab) in cat's serum, or plasma.

Assay Time: 10 minutes

Specimen: serum or plasma

PRINCIPLE

The Felivet FCV-FHV-FPV Ab Combo Test is based on sandwich lateral flow immunochromatographic assay. The test card has a testing window for the observation of assay running and result reading. The testing window has an invisible T (test) zone and a C (control) zone before running the assay. When the treated sample was applied into the sample well on the device, the liquid will laterally flow through the surface of the test strip and react with the pre-coated FCV-FHV-FPV recombinant antigens. If there are FCV-FHV-FPV antibodies in the specimen, a visible T line will appear. The C line should always appear after a sample is applied, which indicates a valid result. By this means, the device can indicate the presence of FCV-FHV-FPV antibodies in the specimen.

REAGENTS AND MATERIALS

- 10 test pouches, with cards and disposable droppers
- 1 bottle of assay buffer
- 1 Standard color card
- 1 package insert

STORAGE AND STABILITY

The kit can be stored at room temperature (2-30°C). The test kit is stable through the expiration date (18 months) marked on the package label. DO NOT FREEZE. Do not store the test kit in direct sunlight.

SPECIMEN PREPARATION AND STORAGE

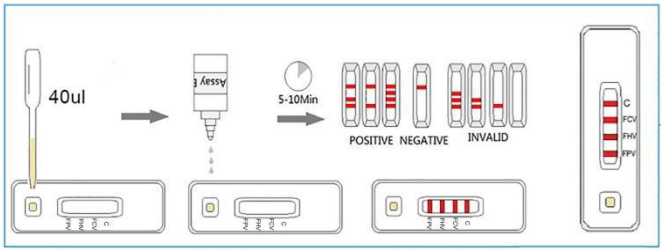
- Specimen should be obtained and treated as below.

Serum or plasma: collect the whole blood for the patient cat, centrifuge it to get the serum, or place the whole blood into a tube which contains anticoagulants to get plasma.

- All specimen should be tested immediately. If not for immediate testing, they should be stored at 2-8°C.

TEST PROCEDURE

- Allow all materials, including specimen and test device, recover to 15-25°C before running the assay.
- Take out the test device from the foil pouch and place it horizontally.
- Drop 1 drops (approx. 40μL) of the serum or plasma specimen into the sample well "S" of the test device then drop two drops (approx. 80μL) of buffer.
- Interpret the result in 10 minutes. Result after 15 minutes is considered as invalid.
- The sequence of the T line is shown in the figure.



INTERPRETATION OF RESULTS

The presence of "C" line indicates a valid result. Read the result by comparing the color intensity of the "T" line with the standard color reference scale (from "G1" to "G6").

The VN titer of FCV Ab are corresponding with the color intensity grades.

G1 ≤1:8	G2: 1:8~1:16	G3: 1:16~1:32
G4: 1:32~1:48	G5: 1:48~1:64	G6 > 1:64

The VN titer of FHV Ab are corresponding with the color intensity grades.

G1 ≤1:8	G2: 1:8~1:16	G3: 1:16~1:24
G4: 1:24~1:32	G5: 1:32~1:48	G6 > 1:48

The HI titer of FPV Ab are corresponding with the color intensity grades.

G1 ≤1:40	G2: 1:40~1:80	G3: 1:80~1:120
G4: 1:120~1:160	G5: 1:160~1:320	G6 > 1:320

- Positive (+): The presence of both "C" line and zone "T" line. T line at G3 is considered as standard positive. T line < G3, is weak positive and indicates low FCV-FHV-FPV antibody level. T line around G4-G5, is strong positive and indicates good immunization or previous exposure to the virus. T line >G6, is very strong positive and high FCV-FHV-FPV

antibody level, indicating the excellent immunization or recent exposure to the virus or current infection.

- Negative (-): Clear C line appears. No T line, or T line is weaker than G1. It indicates very low FCV-FHV-FPV antibody titer. Failed immunization may happen.
- Invalid: No colored line appears in C zone.

■ *RAPID TEST READER*



1. Press and hold the white start button for 2 ~ 3 seconds to start the machine.
2. Put the IC card into the card reading area.
3. Place the VETDiagnostix test card on the side.
4. Read the display results.

■ *PRECAUTIONS*

- All reagents must be at room temperature before running the assay.
- Do not remove test cassette from its pouch until immediately before use.
- Do not use the test beyond its expiration date.
- The components in this kit have been quality control tested as standard batch unit. Do not mix components from different lot numbers.
- All specimens are of potential infection. It must be strictly treated according to the rules and regulations by local states.

■ *LIMITATION*

Felivet FCV-FHV-FPV Ab Combo Test is for in vitro veterinary diagnosis use only. All result should be considered with other clinical information available with veterinarian.

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