VDRG® FeLV Ag/FIV Ab Rapid kit

CAT. NO. PF-FEI-11

MEDIAN Diagnostics

GENERAL DESCRIPTION

VDRG® FeLV Ag/FIV Ab Rapid kit is a lateral flow chromatographic immunoassay for the detection of Feline Leukemia virus (FeLV) antigen and Feline immunodeficiency virus (FIV) antibody in feline serum, plasma, or whole blood. This is a diagnostic kit to detect FeLV antigen and FIV antibody by feline serum, plasma, or whole blood followed by putting them into the sample hole. If there are FeLV antigen in the specimen, these antigens bind to FeLV specific antibody-gold particle conjugates and move on the membrane by capillary forces, and then shows a red line on the test line due to the binding with FeLV specific antibodies which are already applied on the membrane. Similarly, a red line appears on the FIV side test line when FIV antibody is present. This test kit, the diagnostic reagent can detect FeLV Ag/FIV Ab quickly and simply within 10 minutes after injection of samples.

KIT COMPONENTS

Components	10 Tests/Kit
① FeLV Ag/FIV Ab Rapid device	10 tests
② Dilution buffer bottle (4ml)	1 vial
③ Capillary tube	10ea
④ Anticoagulant tube	10ea
⑤ Instruction Manual	1copy

APPEARANCE

1. In a test device : 2 Specimen application round holes (S) are located at lower part of plastic cassette. The location of the test (T) and control (C) lines are marked on the rectangle display. The sample pad, feces separation pad, conjugate pad, nitrocellulose membrane, and absorption pad are attached to the test strip with them overlapped one after another.

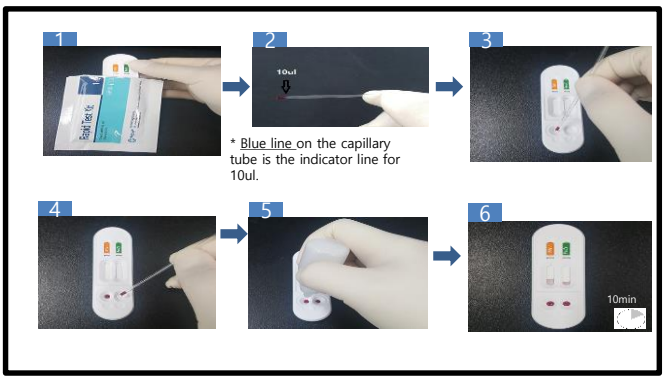
2. Assay dilution bottle : There is a transparent and colorless liquid buffer in the plastic bottle.

SAMPLE PREPARATION

1. Whole blood : Collect on anti-coagulated blood sample in EDTA, heparin for citrate using standard clinical laboratory procedures. Anti-coagulated whole blood samples should be tested within 24 hours of drawing. If delays are expected between samples should be stored either on ice or refrigerated(2~8℃), but should not be frozen. If anti-coagulated whole blood samples cannot be tested within this period of time, separate plasma by centrifugation and store as described in the next section.
2. Plasma : Collect an anti-coagulated blood sample using standard clinical laboratory procedures. Separate plasma by centrifugation. Plasma samples may be stored refrigerated(2~8℃) for up to 72hours; for longer storage, freeze at or below -20℃ in vials with air-tight seals.
3. Collect and prepare serum samples using standard clinical laboratory procedures. Serum samples may be stored refrigerated (2~8℃) for up to 72 hours; for longer storage, freeze at or below -20℃ in vials with air-tight seals.

TEST PROCEDURE

1. Remove the test device from the foil pouch, and place it on a flat and dry surface.
2. Take the supernatant of sample using capillary tube.
3. add 1 drop (approximately 10ul) of feline serum, plasma or whole blood into the sample hole.
4. Put 1 drop in the sample hole next to it.
5. add 2 drops (approximately 60ul) of the assay diluents.
6. Interpret test results at 5 ~ 10 minutes



TEST METHOD SUMMARY

Device preparation

↓

Add the specimen (10ul)

↓

Drop 2 drops (60ul) of assay diluent

5 ~ 10 min ↓

Reading the results

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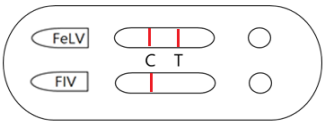
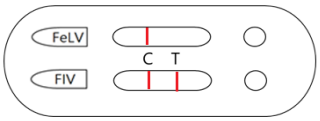
INTERPRETATION OF RESULT

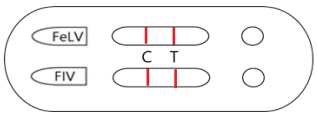
1. FeLV Positive : When there are both control line and test line on the FeLV side.



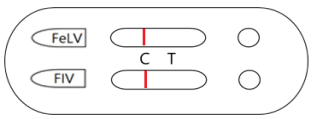
2. FIV Positive : When there are both control line and test line on the FIV side.



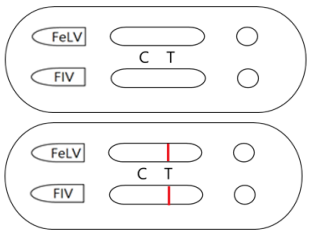
3. FeLV and FIV Positive : When there are both control line and test line on the FeLV and FIV side.



4. Negative : When there is a control line but no test line.



5. Re-test : When there is a test line but no control line, or there are no control line and test line.



* Regardless of virus presence, a control line should always appear. The control line is needed to check whether abnormal reaction occurs or not, so if there is no control line, re-test should be performed.

PRECAUTIONS

1. For in-vitro animal diagnostic use only.
2. Read this instruction manual thoroughly and follow all steps strictly for successful use of the product.
3. Extended exposure of this Rapid Test Device to moisture may decrease test performance. Therefore, open the device right before use (<10 minutes).
4. Make sure to use a separate test tube, dropper, and cotton swab for each sample.
5. Do not touch the membrane in the device. The results may be affected.
6. Do not use test device and reagents after expiration date.
7. Wear personal protective equipment (PPE) such as lab coat, goggle, and disposable gloves while performing the assay. Wash hands thoroughly afterwards.
8. All test samples should be considered potentially infectious and all items contacting the samples should be considered contaminated.
9. After use, all wastes should be sterilized with high-pressure steam at 121 degrees Celsius for ≥15 minutes or comparable methods.
10. This Rapid Kit is made for preliminary test only. The result should be confirmed by other laboratory tests for final diagnosis.

STORAGE AND STABILITY

Store all reagents at 2~30℃. Do not freeze. Reagents remain stable until the expiration date when stored as instructed.

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