VDRG® CIV Ag Rapid kit

CAT. NO. PC-CIV-11

GENERAL DESCRIPTION

VDRG® CIV Ag Rapid Kit is a lateral flow chromatographic immunoassay for the detection of Canine Influenza Virus (CIV) in canine pharyngeal swab or nasal swab. This is a diagnostic kit to detect CIV antigen by mixing canine pharyngeal swab or nasal swab with dilution buffer followed by putting them into the specimen hole. If there are CIV antigens in the canine pharyngeal swab or nasal swab, these antigens bind to CIV 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 CIV specific antibodies which are already applied on the membrane. This test kit, the diagnostic reagent can detect CIV antigens quickly and simply at 10 minutes after injection of specimens.

KIT COMPONENTS

Components	10 Tests/Kit
① CIV Ag Rapid device	10 tests
② Sample dilution buffer	10 vials
③ Swabs	10 ea
④ Dropper	10 ea
⑤ Instruction Manual	1 copy

APPEARANCE

1. In a test device : Specimen application round hole (S) is 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.

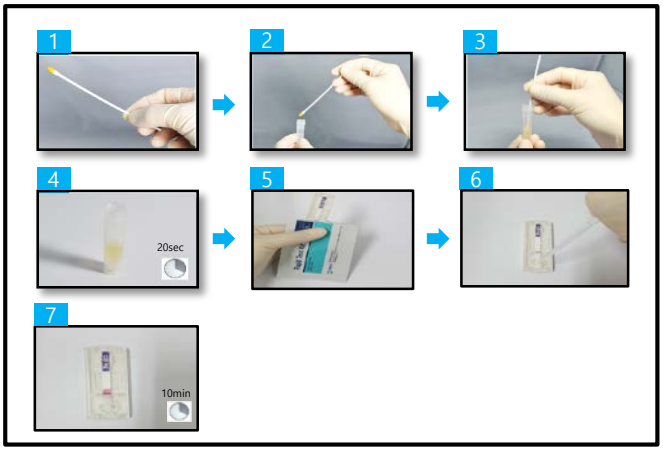
2. Sample dilution container : There is a transparent and colorless liquid buffer in the plastic container for dilution of a sample.

SAMPLE PREPARATION

1. Use canine pharyngeal swab or nasal swab as samples.
2. If the samples are not immediately tested, they should be refrigerated at 2~8℃. For storage not less than 48hours, freeze the Sample at -20℃ or below.

TEST PROCEDURE

1. Collect the sample from pharyngeal swab or nasal swab with the sample collection swab
2. Put the sample into the container that contains sample dilution buffer.
3. Stir well the solution with a swab in order to extract the virus from the sample thoroughly.
4. Place the tube upright until the large particles go down. (20 sec.)
5. Place the VDRG® CIV Ag Rapid Test device on a flat surface.
6. Take the supernatant of sample solution using dropper, and then instill 4 drops into the test device.
7. Verify the result at 10 minutes.



TEST METHOD SUMMARY

Sample dilution buffer 0.5ml
+
Swab sample

20sec

Device preparation

Drop the sample solution(4 drops)

10min

Reading the results

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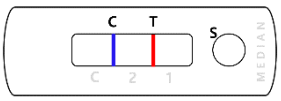
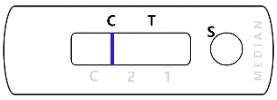
INTERPRETATION OF RESULT

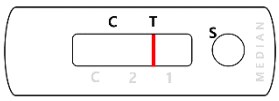
1. Positive : When there is blue control line and red test line.



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



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



* Regardless of CIV 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 marked on the package label.

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