

**Dynamiker Pets Biotechnology (Tianjin) Co., Ltd.**

Canine Rotavirus Antigen Test

Catalogue No: DNP-025

User Manual / 10 tests

**1. INTENDED USE**

The Canine Rotavirus Antigen Test is a lateral flow immunochromatographic assay for the qualitative detection of canine rotavirus antigen (CRV Ag) in dog's feces or vomit specimen.

Assay Time: 5-10 minutes

Specimen: dog's feces or vomit

**2. PRINCIPLE**

The Canine Rotavirus Antigen Test is based on sandwich lateral flow immunochromatographic assay. The test cassette 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 testing. When the treated sample was applied into the sample well on the cassette, the liquid will laterally flow through the surface of the test strip and react with the pre-coated monoclonal antibodies. If there is CRV antigen 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 cassette can accurately indicate the presence of CRV antigen in the specimen.

**3. REAGENTS AND MATERIALS**

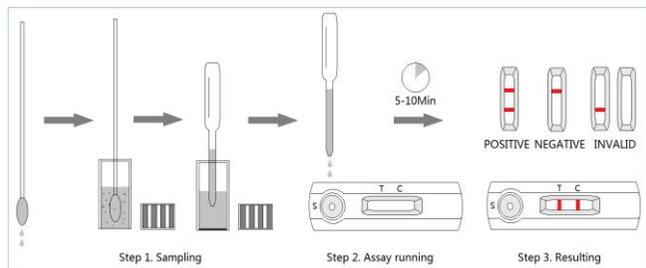
| Components                     | Quantity  |
|--------------------------------|-----------|
| Test Cassette in Foil Bag      | 10 Tests  |
| Desiccant in Foil Bag          | 10 Pcs    |
| Disposable Dropper in Foil Bag | 10 Pcs    |
| Assay Buffer                   | 10*1.0 mL |
| Cotton Tipped Applicator       | 10 Pcs    |
| User Manual                    | 1 Pc      |

**4. STORAGE AND STABILITY**

The kit can be stored at room temperature (4-30°C). The test kit is stable through the expiration date marked on the package label. DO NOT FREEZE. Do not store the test kit in direct sunlight.

**5. TEST PROCEDURE**

- 5.1 Allow all materials, including specimen and test cassette, recover to 15-25°C before testing.
- 5.2 Collect dog's fresh feces or vomit with the cotton tipped applicator stick from dog's anus or from the ground.
- 5.3 Insert the applicator into the provided assay buffer tube. Agitates it to get efficient sample extraction.
- 5.4 Take out the test card from the foil bag and place it horizontally.
- 5.5 Pipette the treated sample extraction from the assay buffer tube and place 3 drops into the sample well labelled "S" of the test cassette.
- 5.6 Interpret the result in 5-10 minutes. Result after 10 minutes is considered as invalid.



**6. INTERPRETATION OF RESULTS**

- Positive (+): Presence of both "C" line and "T" line, no matter "T" line is clear or vague.
- Negative (-): Appearance of single "C" line. No red "T" line.
- Invalid: No red "C" line appears. No matter if "T" line appears.

**7. PRECAUTIONS**

- All reagents must be at room temperature before testing.
- Do not remove test cassette from its bag 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.

**8. LIMITATION**

The Canine Rotavirus Antigen Test is designed for in vitro veterinary diagnosis use only. All result should be considered with other clinical information available with veterinarian. It is suggested to apply a further confirmative method such as PCR when positive result was observed.

**9. MANUFACTURER**

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**[SYMBOLS USED]**

| Symbol | Description             |
|--------|-------------------------|
|        | Use-by date             |
|        | Lot Number              |
|        | Manufacture Date        |
|        | Keep Away from Sunlight |
|        | Temperature Limitation  |

REVISED: 04/2023