

Instructions for Use

Version: 2.0.1
Revision date: 28-Jan-22

Canine Distemper Virus Antigen Rapid Test Kit

Catalog No.: abx092034

Size: 40 tests

Storage: Store all reagents at 2-30 °C. Keep dry.

Application: For qualitative detection of Canine Distemper Virus Antigen in Dog serum, urine, nasal fluid, saliva and conjunctival secretions.

Introduction and assay principle

Abbexa's Canine Distemper Virus Antigen Rapid Test Kit is a qualitative lateral flow immunochromatographic assay for the detection of Canine Distemper Virus (CDV) Antigen in dog (canine) samples. The cassette contains a colloidal gold conjugated antibody against CDV, which combines with any CDV antigen present in the samples. The complex binds with the antibody coated on the test region of the cassette. A colored band develops within 15 minutes in the test region if the concentration of CDV antigen in the sample is higher than the detection limit. A control region on the upper end of the cassette confirms if the test has been successful.

Kit Components

- Test cassettes with pipettes: 40
- Sample diluent: 40 vials
- Cotton swabs: 1 pack

Material Required But Not Provided

- Timer

Sample preparation

- **Nasal fluid, saliva and conjunctival secretions:** Collect the sample using a cotton swab. Immediately insert the cotton swab into a Sample Diluent vial. Stir until the sample has completely dissolved. Wipe the swab against the inside of the tube, then discard the swab. Allow the mixture to stand.
- **Serum and urine:** Add 4-5 drops (approximately 100 µl) into a Sample Diluent vial. Mix fully, then allow the mixture to stand.

Note: In the initial stage of CDV infection, there are no symptoms such as conjunctivitis, dry cough, and diarrhea. It is therefore recommended to test blood (serum) samples if the animal is not displaying any CDV infection symptoms. If symptoms typical of CDV infection are present, it is more convenient to take conjunctival epithelial cells or urine as the sample.

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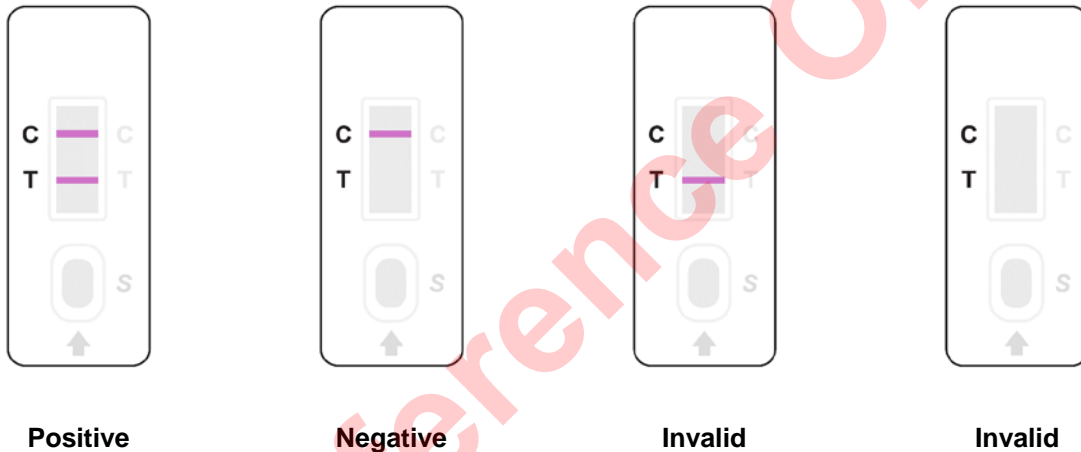
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Assay procedure

1. Take a test cassette and lay it flat on a clean table. Using the provided pipette, add 2-3 drops (approximately 60 µl) of prepared sample to the sample well on the test cassette. Avoid touching the membrane in the middle of the sample well, and avoid foaming.
2. Leave at room temperature for 5-10 min, then analyze the result immediately.

Results analysis

- **Negative result:** A line is observed in the control (C) section but not the test (T) section.
- **Positive result:** A line is observed in both the control (C) section and the test (T) section.
- **Invalid result:** No line is observed in the control (C) section.



Notes

1. The test cassettes and reagents should be brought to room temperature for at least 30 minutes before use.
2. After opening the aluminum foil, use the test cassette as soon as possible.
3. Samples should be clear with no visible particles, turbidity or bacterial pollution.
4. Do not mix or re-use the disposable pipettes to avoid cross-contamination.
5. Do not use water, PBS or serum from other animals as the negative control.
6. Avoid touching the cassette membrane through the sample well or test result window.
7. This kit is for qualitative detection of CDV antigen in dog (canine) samples.
8. Samples from animals taken 3-10 days after being vaccinated against CDV may show a positive result, as attenuated CDV vaccines can cause CDV antigen concentrations to increase in animals.
9. Samples from animals treated with monoclonal antibodies may exhibit false-positive results, as these animals generate anti-monoclonal antibodies which may interfere with the assay.
10. This kit is for research use only and the results are for reference only. It is recommended to use this kit in conjunction with another detection method.