

## Canine Distemper Virus (CDV) Ag Rapid Test Card

**Product Number:** C11291

**Product Unit:** 15T

For veterinary use only

### 1. Precaution

- a) The kit is to detect canine distemper virus (CDV) antigen in nose mucus, saliva, and conjunctiva secreta, please make sure you are fully aware of the intended use.
- b) Check the kit package carefully and read this instruction through to confirm the validity of the kit, and the appearance of the package. Only valid kit can be used.
- c) If any damage or leakage were found, please contact your vendor for replacement. Do not use in test unless otherwise agreed by the vendor.
- d) All samples collected may be contagious, please handle carefully according to local laws and regulations. Used test kit and tested sample shall be handle carefully to avoid further contamination.
- e) The test cassette, the buffer and swab shall be used within 5min after opening the foil package. Do not open it without planned experiment.
- f) Do not use component from other sources, otherwise the result is not valid.
- g) The kit is designed for one single use, do not use repeatedly.

### 2. Principle and application

The kit is based on sandwich immunochromatographic assay, to detect canine distemper virus (CDV) antigen in nose mucus, saliva, and conjunctiva secreta, which is rapid, accurate and easy-to-operate.

### 3. Kit Components

- a) Test Cassette, 15 pcs,
- b) Swabs, 15 pcs,
- c) Sample buffer, 15 pcs,
- d) Disposable pipette, 15 pcs,
- e) Kit instruction, 1 pc

### 4. Test Steps

**For canine nose mucus, conjunctiva secreta and saliva** collect with swab, then insert it into the sample buffer, mix thoroughly, then wait for 1 minute.

- Take the needed test cassette, plastic pipette.
- Take the supernate with plastic pipette provided in the kit
- Add 4-5 drops (around 80  $\mu$ l) into the sample well on the test card.
- Wait for 5-10 minutes, then observe the results.

**Note:** Result over 30min will be invalid.

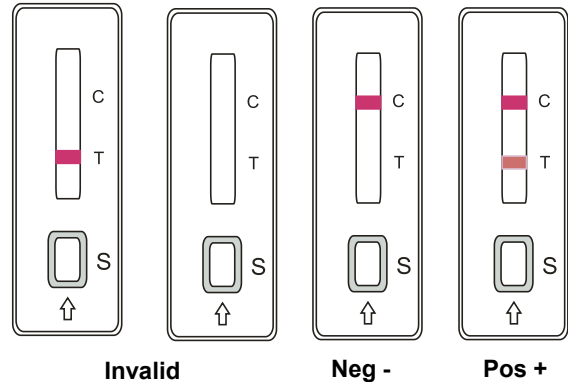
## 5. Result interpretation

There are 2 lines on the cassette, Control Line (Line C) and Test Line (Line T). Line C is used for quality control.

**INVALID** Line C is invisible, please run the test again with new cassette.

**NEGATIVE** Only Line C is visible, Line T is not visible.

**POSITIVE** Line C and Line T are both visible.



## 6. Sensitivity and specificity

The kit is 95% sensitive to CDV antigen, the specificity is 100%.

The kit does NOT detect antigens of CPV, Rabies, CCV, CPIV, CAV etc.

## 7. Limitation of the methodology

- The kit is for screening purpose and on-site test. Positive result shall be further confirmed by PCR and/or other official methodologies. Diagnosis of CDV shall be determined by the vet, considering both clinical symptom and laboratory test.
- Negative result indicates that there are not CDV antigen in the tested sample, but if acute symptom were observed, we cannot exclude the possibility of CDV infection.
- CDV vaccine is a kind of attenuated vaccine, the test card maybe gives a false positive result under this condition, but this phenomenon will disappear after vaccination (3-10 days). In addition, those animals treated with monoclonal antibody will generate corresponding secondary antibody, so false positive result is possible in this condition.

## 8. Storage and validity

The kit is valid for 12 months when stored at 2-30°C in dry and dark place. Do not freeze. Avoid direct sunlight.

Production date and expiry information are printed on the package.