

**CANINE DISTEMPER VIRUS (CDV)  
ANTIGEN RAPID TEST CARD  
MANUAL**

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

Catalogue Number. IP100159

### ***Product Usage***

Canine distemper (CDV) is a highly contagious disease that is highly contagious and has a mortality rate of up to 80%. Its causative agent is canine distemper virus, a single-stranded RNA virus. The natural host of the virus is canine and scorpion, mainly transmitted by air and droplets. This product is used to detect the infection of canine prion in dogs by immunochromatographic test on secretion samples of canine conjunctiva, nasal cavity and saliva, as an auxiliary diagnosis of canine distemper virus infection. The test results are for reference only.

### ***Principle***

This product uses rapid immunochromatography to detect CDV antigen. After the diluted sample is added to the “S” hole on test card, if the CDV antigen is present in the sample, the antigen will specifically bind to the colloidal gold-labeled CDV monoclonal antibody, and the complex will move along the chromatographic membrane and be chromatographed. The pre-coated CDV monoclonal antibody on the membrane is captured, and a wine red detection line is formed at the T-position of the cartridge. If there is no CDV antigen in the sample, no visible lines will be formed at the T line. In addition, the system has also designed a C-line for verifying that the test is valid—whether negative or positive, the line should be colored, otherwise it will be invalid.

### ***Technical specifications***

40 tests/kit

### ***Components***

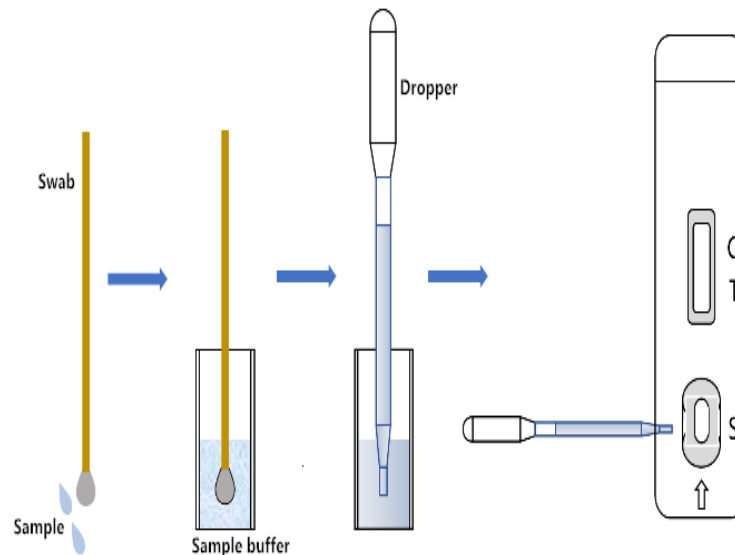
1	CDV Ag Test Card	10 pieces
2	Swab	10 pieces
3	Sample buffer	10 pieces
4	Dropper	1pieces
5	Manual	1 piece

### ***Operation procedures***

1. Read the manual carefully and return the test card, sample into room temperature 15~25°C before use.
2. Sample collection: Use a cotton swab to collect a sample of freshly excreted feces or vomit, or take a sample directly from the rectum. Immediately insert the cotton swab with the secretion into the sample tube containing the sample buffer and shake vigorously. Stand for a few minutes and ready to test. (Note: When the sampling amount is too much, it will affect the

stability of the colloidal gold particles, which may cause false positive. The sample size should cover 1/3 to 2/3 of the cotton swab.)

3. Open the package, take out test card, put it on desk flatly.
4. Use the supplied dropper to absorb the diluted sample, drop 3~4 drops (about 100ul) into "S" hole on test card.
5. Read the result in 5~10min, result is invalid beyond 15 min.



### **Result Interpretation**

1. Positive(+): Both on T Line and C line being seen wine-red color reaction, it means there is CPV antigen in the sample.
2. Negative(-): no color reaction on Test Line (T Line), only on Control Line (C Line) being seen wine-red color reaction, it means there is no CPV antigen in the sample.
3. Invalid(X): No color reaction on C Line, it means the operation is wrong or the test card is invalid, test again.

### **Precautions**

1. Please use the test card within the shelf life and within 1 hour after opening.
2. Avoid direct sunlight and direct fan blowing during testing.
3. Try not to touch the white film surface of the non-plastic part of the test card.
4. Sample droppers should not be mixed to avoid cross contamination.
5. Do not use sample buffer that are not supplied with this reagent.
6. When the detected substance content is very high, the T line may appear, and then the red color will gradually fade or even disappear. It is recommended to dilute the sample by 10 times before testing, so that the T line can be stable.
7. The used test card should be treated as microbiological dangerous goods.

**Storage:** store at 2-30°C, dark, sealed, dry place, no frozen.

**Expiry date:** 18 months; date of production is on box.