

INFORMATION FOR USE

Version 08/2009

I. INTRODUCTION

Canine distemper is caused by a paramyxovirus that is highly contagious at of Canidae, Mustilidae and Procyonidae seen world-wide. Distemper should be considered in the diagnosis of any febrile condition in puppies with multisystemic manifestations. While the typical clinic case is not difficult to diagnose, the characteristic signs sometimes fail to appear until late in the disease. The degree of viremia and extend of spread of virus to various tissues is moderate by the level of specific humoral immunity in the host during the viremic period. The symptoms most commonly associated with canine distemper are runny eyes and nasal discharge. Vomiting, diarrhea, fever followed by various neurologic disorders. Hyperkeratosis of the foodpads („hardpad“ disease) and epithelium of the nasal plane may be seen. **FASTest[®] DISTEMPER Strip** is a sensitive, reliable and specific immunochromatographic assay designed to detect canine distemper virus antigen in nasal and ocular discharge.

II. TEST PRINCIPLE

The **FASTest[®] DISTEMPER Strip** is a rapid immunochromatographic screening test for the detection of canine distemper virus antigen in nasal and ocular discharge. The method employs a unique combination of a specific antibody binding protein, which is conjugated on dye particles, and a second monoclonal antibody which is immobilized to the solid phase membrane. As the test sample flows laterally across the membrane, the specific antibody binding protein-dye conjugate binds to the canine antigens in the sample. Then, if the sample contains any antigen to canine distemper, the complex binds to the antibody on the solid phase in the test zone producing a pink/purple band. In the absence of canine distemper antigen, there is no line in the test zone. The liquid continues to migrate along the membrane and produces a pink/purple band in the control zone demonstrating that the reagents are functioning properly and that the test has been carried out correct.

III. TEST COMPONENTS

- 10 x Dipsticks Distemper tests in foil pouches
- 10 x Specimen tubes
- 10 x Sample collection swabs
- 1 x Dropper bottle A containing 5,0 ml of Buffer diluent
- 1 x Information for use

V. STORAGE AND SHELF LIFE

- Store test kit at room temperature (15 - 25°C)
- When stored correctly the product can be kept up to the expiry date.
- Avoid excessive heat or cold. DO NOT FREEZE.

FASTest[®] DISTEMPER Strip ad.us.vet.
Test-Kit for the Detection of Canine Distemper Virus Antigen
(CDV) in Nasal or Ocular Discharge

IN VITRO DIAGNOSTICUM

DIAGNOSTIK
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INFORMATION FOR USE

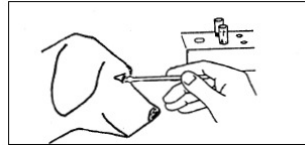
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TEST PROCEDURE

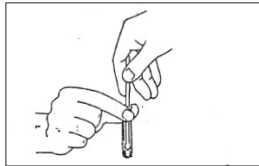
1. Remove as many Specimen tubes as needed for testing and label them correct.

Add 10 drops of Buffer diluent from Dropper bottle A into each Specimen tube.

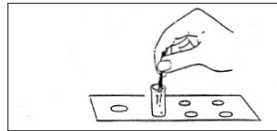
3. Using the disposable sample collection swab take a portion of secretion of eye mucus or snivel. Insert **the well moistened** Collection swab into the specimen tube containing the **10 drops of Buffer diluent**.



4. Mix the swab until the sample has been dissolved into the Buffer diluent. Squeeze out well the swab to get back all fluid into the Specimen tube. Discard the swab and repeat procedure for each sample.



5. Remove the Dipstick from the foil poche and insert into the specimen tube containing the **specimen-Buffer diluent fluid** for 1 minute. Then remove the dipstick from the Specimen tube and place it on a flat, dry surface.

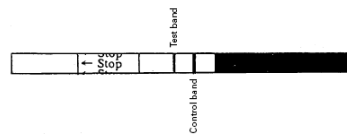


6. Read results after **10 minutes**.

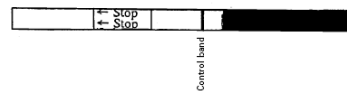


INTERPRETATION of The TEST RESULTS

Positive: The Test zone and Control zone shows a pink/purple band. This indicates the presence of canine distemper virus antigens.



Negative: Only the Control zone shows a pink/purple line. The sample do not contains canine distemper virus antigens.



Inconclusive: There are no pink/purple bands neither in the Test- nor Control zone. Or only a pink/ purple band is present in the Test zone. This results indicates the test should be repeated with new Dipstick.

PLEASE NOTE: The clinical and epidemiological status of the dog must be taken into account for the Interpretation to the test result.

V. TEST PROCEDURE

A. Remove as many of the test devices from the Test-kit as needed for testing.

B. Label the Specimen tubes appropriately and **add 10 drops** of Buffer Diluent (A) into each Specimen tube.

C. Using the disposable Sample collection swab take a portion of secretion of eye mucus or snivel. **The swab must be moistened well!**

D. Insert the Collection swab into the Specimen tube containing **10 drops of Buffer diluent**.

E. Mix the swab until the sample has been dissolved into the Buffer diluent. **Squeeze out well the swab to get back all fluid into the Specimen tube.** Discard the swab and repeat procedure for each sample.

F. Insert the Dipstick into the Specimen tube containing the Specimen-Buffer diluent-fluid for 1 minute.

G. Remove the dipstick from the specimen tube and place it on a flat, dry surface.

H. Read results after **10 minutes**.

VI. INTERPRETATION of the TEST RESULTS

Positive: The Test zone and Control zone shows a pink/purple band. This indicates the presence of canine distemper virus antigens.

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Inconclusive: There are no pink/purple bands neither in the Test- nor Control zone. Or only a pink/ purple band is present in the Test zone.

This results indicates the test should be repeated using a new Dipstick.

VII. INFORMATION ON

TEST SAMPLE MATERIAL

Nasal and ocular discharge should be preferably collected fresh! But exceptional the Sample collection swab containing the sample material could be stored in the Specimen Tube at 2° to 8° C up to three days!

Prior to testing, all samples should be allowed to warm to room temperature.

VIII. SPECIAL INFORMATION

FOR VETERINARY USE ONLY!

- This **FASTest[®] DISTEMPER** Strip can be used only for dogs and related species.
- Do not use Test kit components past the expiry date printed on the Test kit
- Do not mix reagents from different lots of Test kits.
- Follow Information for use carefully.
- The sample materials should be considered potentially infectious and handled accordingly.