Canine Parvovirus Antigen Lateral Flow Assay kit
Catalog No: E-AD-C023
50T

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

Phone: 240-252-7368(USA)   Fax: 240-252-7376(USA)
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Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.
**Test principle**
This kit applies the principle of Colloidal Gold Immunochromatography assay (GICA). The sample will move together with the colloidal gold marker along the chromatography membrane. If Canine Parvovirus (CPV) antigen exist in the samples, it will combine with the colloidal gold marker to make the detection line appear a purple color. Otherwise, it will not show the color reaction.

**Kit components**

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Detection card(with a straw)</td>
<td>50T</td>
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<tr>
<td>Sample diluent</td>
<td>50 vials</td>
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<tr>
<td>Cotton swab</td>
<td>50</td>
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<td>Manual</td>
<td>1 copy</td>
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**Sample preparation**
1. Take stool, rectum, vomitus or saliva of canine with with normal saline cotton swabs. Immediately, insert the cotton swab into the sample diluent, stir the swab until the sample is dissolved into the sample diluent fully. Discard the cotton swab after wiping it against the wall of the tube. Make sample solution stand for later use.
2. **Note:** Excessive stool sample may lead to wrong results (e.g. black line, etc.), please dilute the samples with sample diluent for the test.
3. Bring all reagents to room temperature (18~25°C) for 30 min before use.

**Assay procedure**
1. Take out the detection card and put it on a clean table.
2. Take the sample supernatant with the straw, add 2~3 drops (about 60 μL) of sample to the sample well vertically and slowly.
3. Keep the detection card stand at room temperature for 5~10 min, then judge the result. The result is invalid if the time is more than 30 min.
   **Note:** Excessive sample or buffer will lead to wrong results.
Judgment of result

1. **Negative:** Only the control line region (C) shows a purple line in the observation well.
2. **Positive:** Both the test line region (T) and the control line region (C) show a purple line in the observation well.
3. **Invalid:** No purple line shows in the observation well of the control line region (C).

Interpretation of the results

1. The negative result reveals that there is no CPV antigen in the sample. If there is a corresponding acute symptom, then CPV infection cannot be excluded.
2. The positive result reveals that there is CPV antigen in the sample. It might be infected with CPV, and the result should be combined with clinical and other methods to analyze.
3. As the CPV vaccine is generally with low virulence, the virus will increase in the body for a period of time which shows a positive result in the process of immunizing. The phenomenon will disappear in 3~10 days after the immunization. Animals treated with monoclonal antibodies may exhibit false-positive for a long time because the animals produce second antibodies to the monoclonal antibodies in the body.

Limitations

This kit can be used for detection of CPV antigen in canine only.
Notes
1. Please read the manual carefully before use. All kinds of reagents provided in this kit are only for this experiment.
2. Do not use water, PBS or serum of other animals or other ‘not required by sample’ liquid as the negative control.
3. Do not use product out of date or in a broken aluminum foil.
4. The detection card should be brought to room temperature before opening after take it out from the refrigerator. The opening detection card should be used as soon as possible.
5. The tested sample should be fresh and clear. Avoid of using samples of turbidity, polluted, high hemolysis or abnormal viscous.
6. Avoid of touching the chromatography membrane of the sample well and test well.
7. The waste of experiment should be considered as contaminant, and must be properly handled according to the local regulations.

Storage and valid period
Storage: Store at 2-30°C with cool and dry environment.
Valid Period: 2 years, expiration date is on the packing box.