

Feline Leukemia Virus Antigen (FELV Ag) Rapid Test Kit

Technical Manual

(GICA)



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Product Information

Intended Use

This test kit is used to detect antigens against Feline Leukemia Virus (FELV) in cat's blood.

Principle

The kit uses colloidal gold immunochromatography assay (GICA) for the detection of FELV antigen. After adding the diluted sample to sample hole ("S"), if FELV antigens are present in the sample, they will specifically bind to the colloidal gold-labeled monoclonal antibody against FELV, forming a complex that moves along the nitrocellulose membrane. It is then captured by the FELV monoclonal antibody coated on the membrane, which makes the test ("T") line colored. If there are no FELV antigens in the sample, the test ("T") line will not appear. Regardless of a negative or positive result, the control ("C") line should always appear, or else the

result is considered invalid.

Content

Package specification	20T/Kit
Test device	20
Capillary tube	20
Assay buffer	1
Instruction	1

Storage Conditions

Store in a cool and dry place at temperatures between 2°C to 30°C (35.6°F to 86°F). Avoid freezing.

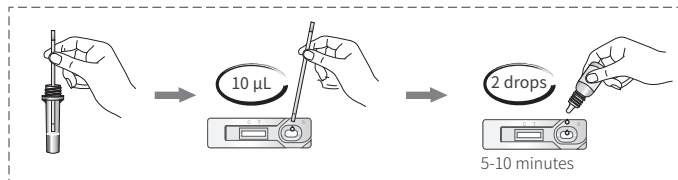
The shelf life is 24 months from the date of manufacture, which is indicated on the label of the box.

Preparation of Sample

Collect fresh whole blood, serum or plasma samples and ensure that the samples cannot be turbid or have precipitates.

Test Methods

- 1) Open the foil pouch, take out the test card and put it on a flat and clean work surface.
- 2) Draw the prepared sample with capillary tube until the liquid level is flush with the capillary scale line (about 10μL), and slowly add it into the sample hole ("S"); Then immediately add 3 drops (about 90 μL) assay buffer in the sample hole, and start timing.
- 3) Allow the test card to sit at room temperature for 5-10 minutes to determine the results. Results obtained after 15 minutes are considered invalid.



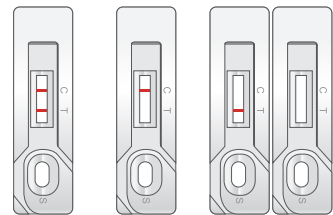
Results Judgement

Negative: Only control ("C") line appears in the result window.

Positive: Both test ("T") line and control ("C") line appear in the result window.

Invalid: If the control ("C") line does not appear, the result might be considered invalid.

(Note: Water, PBS, and other animal serum cannot be used as negative controls.)



Positive Negative Invalid

Results Interpretation

- 1) A negative test result indicates that there are no FELV antigens detected in the sample, and FELV infection cannot be ruled out if there are corresponding acute symptoms.
- 2) A positive test result indicates the presence of FELV antigens in the sample tested, suggesting a potential infection by the FELV. Further analysis is required, integrating clinical data and other diagnostic methods.

Limitation of the Test Method

Although this kit is highly accurate in detecting FELV antigens, there is still a possibility of occasional false results. If uncertain or questionable results are obtained, additional clinical or laboratory tests may be necessary. As with other diagnostic tests, a definitive clinical diagnosis should not rely solely on the outcome of a single test. Instead, it should be made by the veterinarian after evaluating all clinical and laboratory findings. By considering a comprehensive assessment,

veterinarians can ensure a more reliable and accurate diagnosis and provide appropriate care and treatment for the animal.

| Notice |

- 1) Please read the instructions carefully before testing. And a variety of reagents are only used for this experiment.
- 2) Avoid using expired or damaged products.
- 3) The kit should be allowed to return to room temperature after being removed from the refrigerator before opening. Once opened, it should be used as quickly as possible to avoid becoming ineffective due to moisture.
- 4) Avoid touching the white nitrocellulose membrane of the result window.
- 5) Avoid touching the sample hole.
- 6) Avoid direct sunlight and direct blowing of electric fans during detection.
- 7) The capillary tube is not reusable to avoid contamination.
- 8) The waste shall be regarded as pollutants. Please dispose of them properly in accordance with the relevant local regulations.