pettie paw™

Rabies Virus Antigen Rapid Test Kit

Instruction Manual

【PRODUCT NAME】
Rabies Virus Antigen Rapid Test Kit
SELF-TEST

【PACKING SPECIFICATIONS】
1/5/10/25/50 Test(s)/kit

【INTENDED USE】
This product does not require any additional equipment and is used for in-vitro qualitative screening for rabies virus (RBV) antigen in saliva of cats and dogs. This product is used for self-test.

【TEST PRINCIPLE】
Rabies Virus Antigen Rapid Test Kit uses double-antibody sandwich method to qualitatively detect the presence of rabies virus antigen in the saliva of cats, dogs, etc. Using gold-labeled rabies virus antibody 1 as an indicator marker, the detection area (T) and control area (C) on the nitrocellulose membrane were coated with rabies virus antibody 2 and goat anti-chicken respectively. During detection, the sample is chromatographed under the capillary effect. When the tested sample contains rabies virus antigen, the gold-labeled antibody 1 forms an antigen-antibody complex with the rabies virus. Then during the chromatography process, it combines with the rabies virus antibody 2 fixed in the detection area to form an "antibody 1-antigen-antibody 2" sandwich, so that a purple-red strip appears in the detection area (T). On the contrary, no purple-red band appears in the detection area (T). Regardless of whether there is rabies virus antigen in the tested sample, the gold-labeled chicken IgY complex will continue to chromatograph upward to the control area (C) and a purple-red band will appear in the reaction. The purple-red band presented in the control area (C) is the standard for judging whether the chromatography process is normal, and it also serves as the internal control standard for the reagent.

【MAIN COMPONENTS】

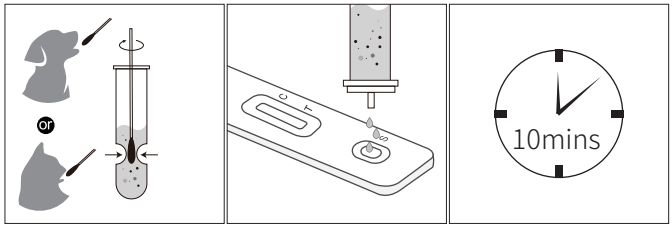
Specification	Test pad	Sample collection tube with diluent	Cotton swab	Instruction manual
1Test/Kit	1	1	1	1
5Tests/Kit	5	5	5	1
10Tests/Kit	10	10	10	1
25Tests/Kit	25	25	25	1
50Tests/Kit	50	50	50	1

【OPTIONAL COMPONENTS】
□ Medical waste bag (1/5/10/25/50 tests/kit)
Note: The components in the kits of different batch numbers are not interchangeable.
Warning: If the diluent gets onto the skin or eyes, the user should wash it off immediately with clean water.

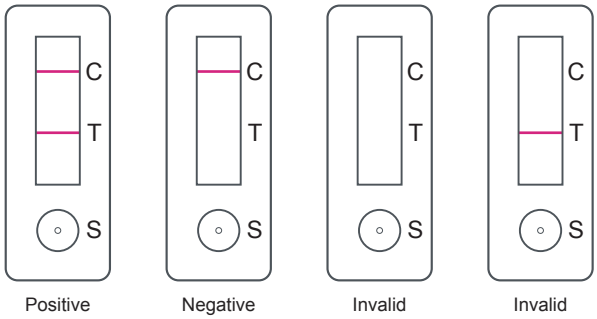
【STORAGE CONDITIONS AND VALIDITY PERIOD】
Storage conditions: The original package should be stored in a dry place at 2～30°C, avoiding light, and never frozen.
Validity period: 24 months.
The reagent should be used as soon as possible within 1 hour after the aluminum foil packaging is opened; it is recommended to use it as soon as possible when the ambient temperature is higher than 30°C or high humidity.

【SAMPLE REQUIREMENTS】
If the sample cannot be tested immediately, it should be placed in a refrigerator at 2°C~8°C. If sample is unable to be tested for >24 hours, it should be frozen below -20°C.
Samples should be equilibrated back to room temperature before testing. In addition, samples stored frozen must be completely thawed and mixed well before use. Avoid repeated freezing and thawing.

【TEST METHOD】
1. Unopened reagents should be allowed to equilibrate to room temperature before use.
2. Collect saliva sample using the cotton swab, then tear off the foil film of the extraction tube. Immerse the swab into the extraction tube, and rotate the swab head in the sample diluent for at least 10 seconds.
3. At the same time, squeeze the swab head through the outer wall of the extraction tube at least 5 times to ensure that the sample can be fully eluted into the diluent. Then squeeze the swab head as dry as possible through the outer wall of the extraction tube. Discard the swab and cover the extraction tube for use.
4. Place the kit on a horizontal surface. Add 3 drops of the mixture into the sample well of the test kit.
5. Read the results in 10 minutes. Do not read test results after 30 minutes as results may be invalid.



【INTERPRETATION OF TEST RESULTS】



Positive Result:
Red bands appear in both the test line (T) and the control line (C). The results showed that the sample contained rabies virus antigen.

Negative Result:
A red band will only appear in the control line (C) on the result window.The results showed that the sample did not contain rabies virus antigen.

Invalid Result:
If there is no red band in the control line (C), the result is invalid. A re-test is recommended.

Note: Even if the control line (C) or test line (T) is faint or not uniform, the test should be considered to have been performed properly, and the test result should be interpreted as above.
Positive results should be interpreted by the veterinarian in conjunction with the clinical history and other available data.

【PRECAUTIONS】
1.For animal use only.
2.The test kit must be used within 1 hour after opening.
3.Conduct the test in strict accordance with the instructions provided. The results may be invalid if performed incorrectly.
4.Do not use if expired or aluminum foil packaging is damaged.
5.Do not use tap water, purified water, etc. as negative controls.
6.All used consumables, test pad and other wastes should be put into medical waste bags and disposed of properly in accordance with local regulations.

【REFERENCES】
[1] (2013). Rabies (Third Edition).

[2] Nel, L. H., & Markotter, W. (2007). Lyssaviruses. Critical reviews in microbiology, 33(4), 301-324.

【INSTRUCTIONS APPROVAL AND MODIFICATION DATES】
2024.01.18

【PRODUCTION DATE AND EXPIRATION DATE】
Check the packaging

LABEL INTRODUCE FOR USER

Abbreviation	Explanation	Abbreviation	Explanation
LOT	Batch code	30℃ 2℃	Temperature limit: 2~30℃
Σ	Contains sufficient for<n>tests		Date of manufacture
	Manufacturer		Use-by date
	Consult instructions for use		Do not re-use
	Keep dry		Do not use if package is damaged
	Keep away from sunlight		

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