pettie paw™

Canine Adenovirus Antigen Rapid Test Kit

Instruction Manual

【PRODUCT NAME】
Canine Adenovirus 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 Canine adenovirus (CAV) antigen in canine ocular and nasal secretions. This product is used for self-test.

【TEST PRINCIPLE】
This product adopts the principle of immunocolloidal gold technology and immunochromatography technology. Canine adenovirus (CAV) antigen in samples were qualitatively determined by double-antibody sandwich method. When the sample contains CAV antigen, the antigen reacts with the colloidal gold labeled antibody (CAV monoclonal antibody 1) on the conjugate pad to form a labeled antigen-antibody complex. The complex moves upward by capillary action and captured by the test line (T line) antibody (CAV monoclonal antibody 2) coated on the nitrocellulose membrane, and a red band appeared. The complex continues to chromatograph upward, and was captured by the control line (C line) antibody (goat anti-chicken IgY antibody) coated on the nitrocellulose membrane, and a red band appears. When the content of the analyte in the sample is lower than the limit of detection, the test line (T line) will not show color.

【MAIN COMPONENTS】

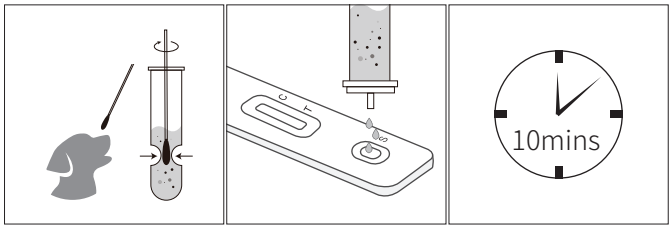
Component	1test/kit	5tests/kit	10tests/kit	25tests/kit	50 tests/kit
Test pad	1	5	10	25	50
Sample extraction tube with diluent	1	5	10	25	50
Instruction manual	1	1	1	1	1
Cotton swab	1	5	10	25	50
Medical waste bag (optional)	1	5	10	25	50

Note: The components in kits from 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.

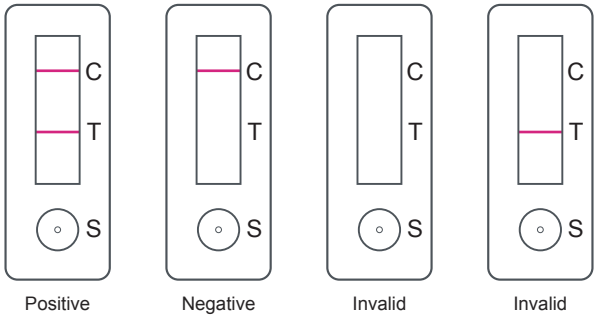
【STORAGE CONDITIONS AND VALIDITY PERIOD】
1. Storage conditions: The original packaging should be stored in a dry place at 2~30°C, protected from light, and do not freeze.
2. Validity period: 24 months.
3. The test pad should be used as soon as possible within 1 hour after unpacking the aluminum foil bag; it is recommended to use it as soon as possible when the surrounding temperature is higher than 30°C or in a high humidity condition.

【SAMPLE REQUIREMENTS】
1. 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 within 24 hours, it should be frozen below -20°C.
2. Samples should be equilibrated back to room temperature before testing. In addition, frozen samples must be completely thawed and mixed well before use. Avoid repeated freezing and thawing.

【TEST METHOD】
1. Unopened test pads should be allowed to equilibrate to room temperature before test.
2. Tear open the aluminum foil bag along the incision, take out the test pad and place it flat on a clean table. Collect appropriate amount of sample by the cotton swab, then tear off the foil film of the extraction tube with sample diluent. Immerse the swab into the sample diluent, and rotate the swab tip in the sample diluent for at least 10 seconds.
3. At the same time, squeeze the swab tip through the outer all of the extraction tube at least 5 times to ensure that the sample can be fully eluted into the diluent. Then squeeze the swab tip as dry as possible through the outer wall of the extraction tube. Discard the swab and cover the extraction tube for use.
4. Add 3 drops of the mixture into the sample well of the test pad.
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 area (T) and the control area (C). The results showed that the sample

contained CAV antigen.

Negative Result: There is no red band in the test area (T), and a red band appears in the control area (C). The results showed that the sample did not contain CAV antigen.

Invalid Result: If no red band appears in the control area (C), regardless of whether a red band appears in the test area (T), the test pad is deemed invalid and retesting 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.

【LIMITATIONS OF TEST METHODS】
1. This kit is for in vitro qualitative diagnosis only.
2. The test results of this kit are for clinical reference only. The clinical management should be comprehensively considered in conjunction with symptoms/signs, medical history, other laboratory tests, and treatment response.

【PRECAUTIONS】
1. For animal use only.
2. Do not use expired or damaged products. Each component cannot be reused or mixed with different kits.
3. This product should be stored in an environment of 2°C ~30°C. If you use test kit stored in the refrigerator, it is recommended to take it out of the refrigerator before testing and return to room temperature before use, otherwise, the test result will be affected. After tearing open the aluminum foil bag and taking out the test pad, it should be used as soon as possible within 1 hour to prevent the test pad from getting damp.
4. All samples, waste liquids and wastes should be treated as infectious agents, and attention should be paid to the biological safety of operations. The desiccant in the aluminum foil bag cannot be taken orally.
5. Observe the results within the specified time. If the reaction time is too long or too short, it may affect the test results.
6. Only the sample treatment solution in the kit can be used during testing. Do not use tap water, purified water, or distilled water.

【REFERENCES】
1. Zhu Y, Xu J, Lian S et al. Difference Analysis Between Canine Adenovirus Types 1 And 2.[J] .Front Cell Infect Microbiol, 2022, 12: 854876.
2.Balboni A, Terrusi A, Urbani L et al. Canine circovirus and Canine adenovirus type 1 and 2 in dogs with parvoviral enteritis.[J] .Vet Res Commun, 2022, 46: 223-232.
3.Hogans MD, Kretzschmar WP, Higgins TA et al. Characterization of Canine Adenovirus Type 2 Virus Infection Pattern in Canine and Human Cell Lines.[J] .Adv Virol, 2022, 2022: 3658970.

【VERSION AND UPDATE DATE】
Version: 1.0
Updated date: 2024.01.24

【PRODUCTION DATE AND EXPIRY DATE】
See label for production date and expiry date.

LABEL INTRODUCE FOR USER

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

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