

[PRODUCT NAME]

Pregnancy Relaxin Rapid Test Kit

[PACKING SPECIFICATIONS]

1/5/10/25/50 Test(s)/kit

[INTENDED USE]

This kit is for the detection of relaxin in dog and cat serum or plasma.

[TEST PRINCIPLE]

The Relaxin Rapid Detection Kit adopts the double-antibody sandwich method principle to qualitatively detect relaxin. Using gold-labeled relaxin antibody 1 as an indicator marker, the detection area (T) and control area (C) on the nitrocellulose membrane were coated with relaxin antibody 2 and goat anti-chicken respectively. During detection, the sample is chromatographed under the capillary effect. When the tested sample contains relaxin, the gold-labeled relaxin antibody 1 forms an antigen-antibody complex with relaxin. Then during the chromatography process, it combines with the relaxin 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 relaxin is present 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	Disposable plastic straw	Instruction manual
1Test/Kit	1	1	1
5Tests/Kit	5	5	1
10Tests/Kit	10	10	1
25Tests/Kit	25	25	1
50Tests/Kit	50	50	1

[OPTIONAL COMPONENTS]

- ☐ Blood collection tube (1/5/10/25/50 tests/kit)
- ☐ Disposable blood collection needle (1/5/10/25/50 tests/kit)
- ☐ Medical waste bag (1/5/10/25/50 tests/kit)

Note: The components in the kits of different batch numbers are not interchangeable

[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.

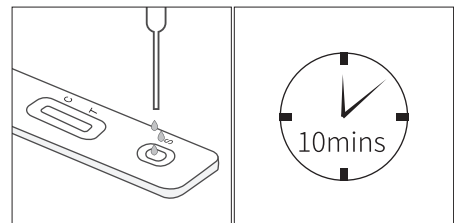
[SAMPLE REQUIREMENTS]

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.

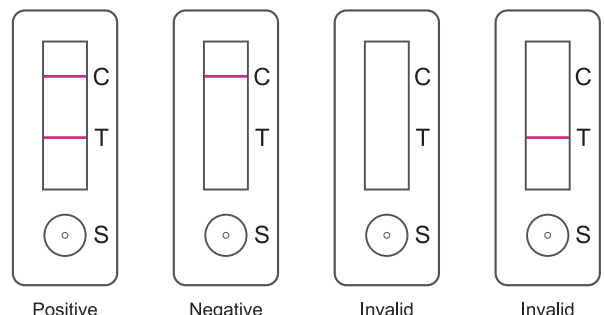
Samples should be equilibrated back to room temperature before testing. In addition, samples stored frozen must be completely thawed and mixed well before use. Avoid repeated freezing and thawing.

[TEST METHOD]

- Before testing, the unopened test card should be placed at room temperature to allow the temperature to reach equilibrium.
- Sample processing: Collect whole blood samples from dogs and cats, let them stand still to separate out serum or centrifuge to separate plasma for later use. Refrigerated samples need to be restored to 15°C-25°C before being used for testing.
- Operation steps: Take out a piece of aluminum foil bag and tear it open, take out the test card, and place it horizontally on the operating platform (do not pick it up from the platform during the test, only after the test is completed). In the sample well "S", drop 3 drops of serum or plasma sample with a dropper, start timing, and read the result 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 relaxin.

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 relaxin.

Invalid Result:

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

Note: 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.This kit is only used for veterinary diagnosis, please operate in strict accordance with the instruction manual.
- 2.Do not use expired or damaged products, and each component cannot be reused or mixed with different kits.
- 3.This product should be stored in a dark and dry environment at 2°C~30°C, and tested at room temperature. After tearing the aluminum foil bag and taking out the reagent strip, it should be used as soon as possible within 1 hour to prevent the reagent strip from getting wet.
- 4.Temperature has a great influence on the test results. All used consumables, test pad and other wastes should be put into medical waste bags and disposed of properly in accordance with local regulations. The desiccant in the aluminum foil bag cannot be taken internally.
- 5.Observe the results within the specified time. If the reaction time is too long or too short, the test results may be affected.

REFERENCES

- 1.Steinetz, Bernard G., Laura T. Goldsmith, and George Lust. "Plasma relaxin levels in pregnant and lactating dogs." Biology of reproduction 37.3 (1987): 719-725.
- 2.Bergfelt, Don R., Augustine T. Peter, and Mohd A. Beg. "Relaxin: A hormonal aid to diagnose pregnancy status in wild mammalian species." Theriogenology 82.9 (2014): 1187-1198.
- 3.Kustritz, Margaret V. Root. "Pregnancy diagnosis and abnormalities of pregnancy in the dog." Theriogenology 64.3 (2005): 755-765.

INSTRUCTIONS APPROVAL AND MODIFICATION DATES

2023.11.28

PRODUCTION DATE AND EXPIRATION DATE

Check the packaging

LABEL INTRODUCE FOR USER

Abbreviation	Explanation	Abbreviation	Explanation
LOT	Batch code		Temperature limit: 2~30°C
	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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