

Canine Early Pregnancy Test Kit (GICA)

REF E-AD-C103

INTENDED USE

This product is used for rapid detection of relaxin in canine serum and plasma by immunochromatography.

SUMMARY

Relaxin is a polypeptide hormone synthesized and secreted by the luteum and placenta during pregnancy that increases gradually as pregnancy progresses and decreases rapidly after delivery. As a kind of animal progesterone, relaxin is widely used in the auxiliary diagnosis of early pregnancy in animals. In dogs, the concentration of relaxin in the blood increases rapidly between 18 and 28 days after pregnancy and peaks at 35 days.

TEST PRINCIPLE

The kit applies the principle of colloidal gold immunochromatography assay. When an adequate volume of test specimen is dispensed into the sample well (S) of the test cassette, the specimen will migrate together with the colloidal gold marker along the chromatography membrane. Relaxin, if present in the sample, will combine with the colloidal gold marker and the antigen in the test line (T), forming a burgundy colored T line. Absence of the test line suggests a negative result. The test contains an internal control (C line), which should always exhibit a burgundy colored line of the immunocomplex of the control antibodies, regardless of color development on the test line. Otherwise, the test result is invalid and the specimen must be retested with another device.

MAIN COMPONENT

1. Test cassette
2. Dropper
3. Package insert

STORAGE AND STABILITY

The kit should be stored at room temperature (2-30 °C).

The test kit is stable through to the expiration date (18 months) on the package. It cannot be stored frozen.

SAMPLE PREPARATION

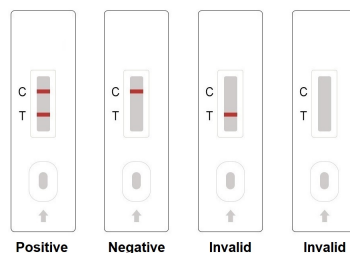
Serum and plasma samples could be collected by conventional methods. After blood collection, serum and plasma should be immediately separated for analysis. Samples can be stored at 2-8 °C in one week or -20 °C for long term storage if not tested immediately after separation.

TEST PROCEDURE

1. Open the sealed aluminum foil bag before use, and use it within 1 hour after opening the original packaging.
2. Put the test cassette on a clean, flat surface.
3. Draw serum/plasma sample with a dropper provided in the kit, then add 2 drops of serum/plasma to the sample well (S) of the test cassette.
4. Start the timer.
5. Read the results after 15 minutes. The interpretation after 20 minutes is considered invalid.

INTERPRETATION OF RESULTS

1. **Positive:** two burgundy colored lines (C and T) appear.
2. **Negative:** only one burgundy colored line (C) appears.
3. **Invalid:** no burgundy colored line (C) appears, indicating incorrect operation or deterioration of the reagent. In this case, please read the instructions again and retest with a new reagent.



Note: this figure is only used as a reference.

NOTES

1. For research use only.
2. Treat all biological material as a potential source of infection.
3. Please refer to the chemical safety technical specification for more information.
4. Do not drink or smoke in the area where the samples or reagents are being handled.
5. Used materials need to be disposed of harmlessly.
6. Kit components of different batch numbers should not be mixed.
7. Do not use the test cassette if the aluminum foil bag is damaged or improperly sealed.
8. Do not store the test cassette exposed to direct light.
9. Do not test in direct sunlight.
10. Do not use expired reagents.
11. Do not reuse pipette.
12. Avoid cross-contamination of samples.