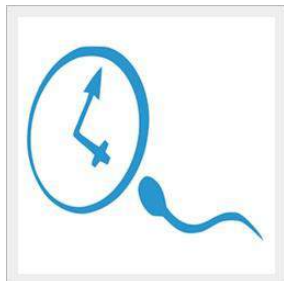


2015-04-30

OVUCHECK® Premate 5 and 10



PRODUCT CODE: TRM-540-541

DESCRIPTION

OVUCHECK® PREMATE is a semi-quantitative test for the measurement of progesterone in a drop of plasma or serum of the bitch. The quantity of progesterone present is indicated by a change in colour, which is compared with high and low progesterone standards.

This kit is quick and simple to use. It gives reliable information which allows you to:

- plan mating at the optimum time
- determine the time of whelping
- investigate the causes of infertility (anovular cycles, silent heats with normal ovulation)

SUMMARY AND EXPLANATION

Hormonal changes occurring in the bitch in the course of pro-oestrus, oestrus, beginning of dioestrus, and gestation are described below.

At the end of pro-oestrus, the drop in oestrogen levels, secreted by the maturing ovarian follicle, causes the luteinising hormone (LH) surge. Ovulation normally happens 24 to 48 hours after the LH surge.

The follicle gradually produces progesterone above basal levels (<0.5 ng/mL) a few days before the LH surge. When the LH surge occurs, progesterone levels may reach 2 to 4 ng/mL.

At the time of ovulation, the progesterone level is generally between 4 and 10 ng/mL. This normally happens 11 to 13 days after the start of pro-oestrus (characterized by the presence of blood and swelling of the vulva).

After ovulation, progesterone levels continue to rise to reach maximal levels 2 to 3 weeks after the start of dioestrus. However, there are large variations between breeds and individuals. The determination of progesterone level with OVUCHECK® PREMATE in association with other elements such as the behaviour of the dog and vaginal cytology allows determination of the time of ovulation and therefore the optimal time for mating.

At the end of gestation, 12 to 24 hours before giving birth, the level of progesterone falls again to reach values of less than 2 ng/mL. Thus, a level of progesterone higher than the low standard of the OVUCHECK® PREMATE test shows that parturition will not occur in the next 12 to 24 hours.



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CHARACTERISTICS

- Semi-quantitative test
- Competitive binding of progesterone
- Rapid (less than 1 hour)
- Tests per kit: 5 tests Premate 5
10 tests Premate 10

ASSAY PROCEDURE

INCUBATION TIME/ TEMP.

1. Preparation of substrate	
2. Incubation of samples, standards and conjugate	15 min / AT
3. Successive washes	
4. Incubation with substrate	15 min / AT
5. Interpretation of the results	

AT: Ambient Temperature