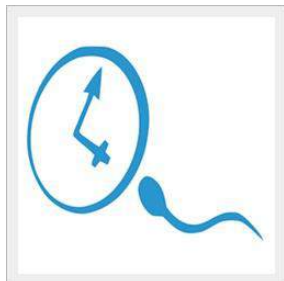


2015-04-30

OVUCHECK® Plasma



PRODUCT CODE: TRM-546

DESCRIPTION

The OVUCHECK® PLASMA ELISA kit is an immunoenzymatic test which provides a simple, reliable and precise measurement of progesterone in plasma or serum of cows and bitches. Each kit contains sufficient reagents for up to 92 tests plus four standards. OVUCHECK® PLASMA is used for oestrus detection and assessment of pregnancy status and luteal function.

SUMMARY AND EXPLANATION

The OVUCHECK® PLASMA test is based on the competitive binding of unlabelled progesterone present in the standard or sample, and a fixed quantity of progesterone labelled with the enzyme alkaline phosphatase (AP) (conjugate), to binding sites on a limited amount of specific progesterone antibodies. The wells are pre-coated with antibodies, providing a solid phase for the capture of the progesterone present in the samples, the standards or the conjugate. After incubation, all components other than those bound to the plate wells are washed away. The amount of bound AP-labelled progesterone remaining on the wells is inversely proportional to the concentration of the unlabelled progesterone present in the sample. The bound labelled progesterone is then measured by making the AP react with its substrate during a second incubation. The colour produced is measured spectrophotometrically and the concentration of progesterone in the sample is determined from a standard curve.

CHARACTERISTICS

- Qualitative test
- Competitive binding of progesterone
- Standard curve determined by progesterone standards (1, 2.5, 5 and 10 ng/mL)
- Tests per kit: 92 possible tests



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ASSAY PROCEDURE**INCUBATION TIME/ TEMP.**

1. Preparation of substrate	
2. Incubation of samples, standards and conjugate	30 min / AT
3. Successive washes	
4. Incubation with substrate	30 min / AT
5. Stop the reaction	
6. Reading of the results	405 nm

AT: Ambient Temperature