

Horse Progesterone ELISA Kit | PROG elisa kit

Horse Progesterone (PROG) ELISA Kit

CATALOG #
AAA55688

REACTIVITY
Horse

PRODUCT SYNONYMS

Progesterone; Horse Progesterone (PROG) ELISA Kit; PROG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Horse
Specificity	This assay has high sensitivity and excellent specificity for detection of Fish 17-alphaMT. No significant cross-reactivity or interference between Fish 17-alphaMT and analogues was observed.
Samples	Serum And Plasma And Other Biological Fluids
Assay Type	Competitive
Detection Range	0.5 ng/mL-100 ng/mL
Sensitivity	0.25 ng/mL (mean of 6 independent assays).
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PROG elisa kit

Principle of the Assay: This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with goat-anti-rabbit antibody. Standards or samples are added to the appropriate microtiter plate wells with an antibody specific for 17-alphaMT and Horseradish Peroxidase (HRP) conjugated 17-alphaMT. The competitive inhibition reaction is launched between with HRP labeled 17-alphaMT and unlabeled 17-alphaMT with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of 17-alphaMT in the sample. The color development is stopped and the intensity of the color is measured!!Background/Introduction: Methyltestosterone is one of the oldest available oral steroids. It is produced by many various manufacturers and sold in a number of countries including the U.S.. It is quite androgenic, with minimal anabolic effects. For athletic purposes, methyltestosterone is generally only used to stimulate aggression among power lifters and those looking to boost up their workouts. Testosterone and the synthetic androgen, 17 alpha-methyltestosterone (MT), have been shown to increase uterine weights and alter uterine morphology. However, whereas the mechanism of action of testosterone in the uterus has been studied, it is not known if the actions of MT are mediated through androgen (AR) or estrogen (ER) receptors. MT, at 0.5 or 10 mg/kg per day, increases uterine weight and alters uterine morphology in a dose-dependent manner.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.