

General Progesterone (Pg) RTU ELISA Kit | Pg rtu elisa kit

General Progesterone (Pg) ELISA Kit

CATALOG #
AAA217771

REACTIVITY
General

PRODUCT SYNONYMS

Progesterone (Pg); General Progesterone (Pg) ELISA Kit; P4; Pregn-4-Ene-3; 20-Dione; Pg rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of Pg. No significant cross-reactivity or interference between Pg and analogues was observed.
Samples	General Serum, Plasma Or Other Biological Fluids
Assay Type	Quantitative Competitive
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Pg were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Pg were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

ADDITIONAL INFORMATION

Related Product Information for Pg rtu elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of Pg in general serum, plasma or other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Pg has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Pg and unlabeled Pg (Standards or samples) with the pre-coated antibody specific to Pg. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Pg in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Pg in the sample.

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.