

Rat Luteinizing Hormone (LH) RTU ELISA Kit | LH rtu elisa kit

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CATALOG #
AAA216791

REACTIVITY
Rat

PRODUCT SYNONYMS

Luteinizing Hormone (LH); Rat Luteinizing Hormone (LH) ELISA Kit; ICSH; Lutropin; Interstitial Cell Stimulating Hormone; LH rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of LH. No significant cross-reactivity or interference between LH and analogues was observed.
Samples	Serum, plasma or other biological fluids
Assay Type	Quantitative Competitive
Detection Range	0.468-30ng/mL
Sensitivity	< 0.14ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LH 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 LH 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 LH rtu elisa kit

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

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to LH has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled LH and unlabeled LH (Standards or samples) with the pre-coated antibody specific to LH. 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 LH in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of LH 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.