

General Cortisol (Cor) RTU ELISA Kit | Cor rtu elisa kit

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CATALOG #
AAA69904

REACTIVITY
General

PRODUCT SYNONYMS

Cortisol (Cor); General Cortisol (Cor) ELISA Kit; Hydrocortisone; Cor rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of Cor. No significant cross-reactivity or interference between Cor and analogues was observed.
Samples	General serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Competitive
Detection Range	1.56-100ng/mL
Sensitivity	<0.62ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Cor 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 Cor 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 Cor rtu elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of Cor in general serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

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

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Online datasheet: <https://www.aaabiotech.com/general-rtu-elisa-kits/cortisol-cor/69904>