

Ethinylestradiol (EE) ELISA Kit | EE elisa kit

General Ethinylestradiol (EE) Mini Samples ELISA Kit

CATALOG #
AAA147423

REACTIVITY
Pan-species (General)

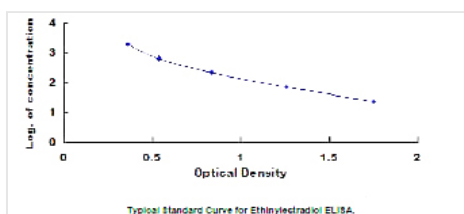
PRODUCT SYNONYMS

Ethinylestradiol (EE); General Ethinylestradiol (EE) Mini Samples ELISA Kit; Ethinyl Estradiol ; Ethynyl Estradiol; Ethinyl Oestradiol; EE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pan-species (General)
Specificity	This assay has high sensitivity and excellent specificity for detection of ethinylestradiol. No significant cross-reactivity or interference between ethinylestradiol and analogues was observed.
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	24.69-2,000pg/mL
Sensitivity	Typically less than 9.51pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ethinylestradiol 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 ethinylestradiol were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EE elisa kit

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

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to ethinylestradiol has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled ethinylestradiol and unlabeled ethinylestradiol (Standards or samples) with the pre-coated antibody specific to ethinylestradiol. 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 ethinylestradiol in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of ethinylestradiol 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://stage.aaabiotech.com/general-elisa-kits/ethinylestradiol-ee/147423>