

## Estrone (E1) ELISA Kit | E1 elisa kit

General Estrone (E1) Mini Samples ELISA Kit

CATALOG #  
**AAA147379**

REACTIVITY  
**Pan-species (General)**

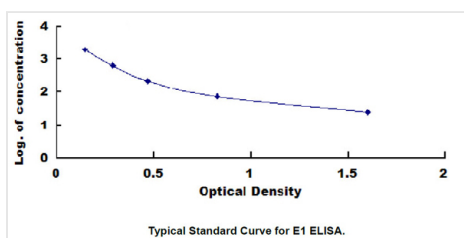
### PRODUCT SYNONYMS

Estrone (E1); General Estrone (E1) Mini Samples ELISA Kit; Oestrone; E1 elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Pan-species (General)                                                                                                                                                                                  |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of E1. No significant cross-reactivity or interference between E1 and analogues was observed.                                  |
| Assay Type            | Quantitative Competitive                                                                                                                                                                               |
| Samples               | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                   |
| Detection Range       | 24.69-2,000pg/mL                                                                                                                                                                                       |
| Sensitivity           | < 8.83pg/mL                                                                                                                                                                                            |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level E1 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 E1 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 E1 elisa kit

**Principle of the Assay:** This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to E1 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled E1 and unlabeled E1 (Standards or samples) with the pre-coated antibody specific to E1. 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 E1 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of E1 in the sample.

**Intended Uses:** The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of E1 in serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

**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/estrone-e1/147379>