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## Product Datasheet

### EasyStep Rat E2(Estradiol) ELISA Kit EBT-ELK022ES

Article Name	EasyStep Rat E2(Estradiol) ELISA Kit
Biozol Catalog Number	EBT-ELK022ES
Supplier Catalog Number	ELK022ES
Alternative Catalog Number	EBT-ELK022ES-96, EBT-ELK022ES-48, EBT-ELK022ES-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Rat
Concentration	1600 pg/mL
Range	25-1600 pg/mL
Sensitivity	25 pg/mL
Samples	Serum

Application Notes

Assay Type: Competitive Inhibition. Assay length: 1.5h. Research Area: Endocrinology, Reproductive science, Hormone metabolism, .  
Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Rat E2 antigen, and the Rat E2 standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells, then added a HRP-conjugated antibody specific to Rat E2 to each microplate well and incubated. After TMB substrate solution is added, the enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm 10nm. The concentration of Rat E2 in the samples is then determined by comparing the OD of the samples to the standard curve