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## Product Datasheet

### Cattle IgE(Immunoglobulin E) ELISA Kit EBT-ELK0799

Article Name	Cattle IgE(Immunoglobulin E) ELISA Kit
Biozol Catalog Number	EBT-ELK0799
Supplier Catalog Number	ELK0799
Alternative Catalog Number	EBT-ELK0799-96, EBT-ELK0799-48, EBT-ELK0799-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Bovine
Concentration	4000 ng/mL
Range	62.5-4000 ng/mL
Sensitivity	28.3 ng/mL
Samples	Serum, plasma and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Infection immunity, Immune molecule, Hematology, Autoimmunity,. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cattle IgE. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle IgE. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cattle IgE, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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 Cattle IgE in the samples is then determined by comparing the OD of the samples to the standard curve