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## Product Datasheet

### Cattle Ig(Total Immunoglobulin) ELISA Kit EBT-ELK0736

Article Name	Cattle Ig(Total Immunoglobulin) ELISA Kit
Biozol Catalog Number	EBT-ELK0736
Supplier Catalog Number	ELK0736
Alternative Catalog Number	EBT-ELK0736-96,EBT-ELK0736-48,EBT-ELK0736-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Bovine
Concentration	100 µg/mL
Range	1.57-100 µg/mL
Sensitivity	0.59 µg/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 precoated with an antibody specific to Cattle Ig. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle Ig. 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 Ig, 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 Ig in the samples is then determined by comparing the OD of the samples to the standard curve