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## Product Datasheet

### VB1(Vitamin B1) ELISA Kit EBT-ELK7916

Article Name	VB1(Vitamin B1) ELISA Kit
Biozol Catalog Number	EBT-ELK7916
Supplier Catalog Number	ELK7916
Alternative Catalog Number	EBT-ELK7916-96,EBT-ELK7916-48,EBT-ELK7916-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	All
Concentration	300 ng/mL
Range	4.69-300 ng/mL
Sensitivity	1.7 ng/mL
Samples	serum, plasma and other biological fluids

Application Notes

Assay Type: Competitive Inhibition. Assay length: 2h. Research Area: Nutrition metabolism, 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 VB1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to VB1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added 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 VB1 in the samples is then determined by comparing the OD of the samples to the standard curve