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## Product Datasheet

### General Tetrahydrobiopterin (THB) ELISA Kit BYT-ORB1946757

Article Name	General Tetrahydrobiopterin (THB) ELISA Kit
Biozol Catalog Number	BYT-ORB1946757
Supplier Catalog Number	orb1946757
Alternative Catalog Number	BYT-ORB1946757-48,BYT-ORB1946757-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	All
Product Description	General Tetrahydrobiopterin (THB) ELISA Kit...
Range	1.57-100ng/mL
Sensitivity	0.51 ng/mL
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Target	THB

Application Notes

Application Notes: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Tetrahydrobiopterin(THB) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Tetrahydrobiopterin(THB). 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 Tetrahydrobiopterin(THB) in the samples is then determined by comparing the OD of the samples to the standard curve