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Product Datasheet

General Beta-Hydroxybutyric Acid (bHB) ELISA Kit BYT-ORB1946672

Article Name	General Beta-Hydroxybutyric Acid (bHB) ELISA Kit
Biozol Catalog Number	BYT-ORB1946672
Supplier Catalog Number	orb1946672
Alternative Catalog Number	BYT-ORB1946672-48,BYT-ORB1946672-96
Manufacturer	Biorbyt
Category	Kits/Assays
Species Reactivity	All
Product Description	General Beta-Hydroxybutyric Acid (bHB) ELISA Kit...
Range	1.57-100µg/mL
Sensitivity	0.48 µg/mL
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Target	bHB

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 Beta-Hydroxybutyric Acid(bHB) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Beta-Hydroxybutyric Acid(bHB). 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 Beta-Hydroxybutyric Acid(bHB) in the samples is then determined by comparing the OD of the samples to the standard curve