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Product Datasheet

Rat Thyroid Stimulating Hormone (TSH) ELISA Kit BYT-ORB776147

Article Name	Rat Thyroid Stimulating Hormone (TSH) ELISA Kit
Biozol Catalog Number	BYT-ORB776147
Supplier Catalog Number	orb776147
Alternative Catalog Number	BYT-ORB776147-48, BYT-ORB776147-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Rat
Product Description	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Thyroid Stimulating Hormone(TSH) protein. Standards or samples are added to the appropriate microtiter plat...
Concentration	10 ng/mL
Range	234.38-15000 pg/mL
Sensitivity	74.5 pg/mL
Samples	serum, plasma and other biological fluids

Application Notes

Application Notes: standard: 10 ng/mL. 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 Rat TSH. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat TSH. 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 Rat TSH, 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 Rat TSH in the samples is then determined by comparing the OD of the samples to the standard curve