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## Product Datasheet

### Rat Thyroxine (T4) ELISA Kit BYT-ORB782510

Article Name	Rat Thyroxine (T4) ELISA Kit
Biozol Catalog Number	BYT-ORB782510
Supplier Catalog Number	orb782510
Alternative Catalog Number	BYT-ORB782510-48, BYT-ORB782510-96
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 Thyroxine(T4) protein. Standards or samples are added to the appropriate microtiter plate wells then with a...
Concentration	300 ng/mL
Range	4.69-300 ng/mL
Sensitivity	1.49 ng/mL
Samples	serum, plasma and other biological fluids

Application Notes

Application Notes: standard: 300 ng/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Rat T4 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat T4. 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 Rat T4 in the samples is then determined by comparing the OD of the samples to the standard curve