

Product Datasheet

Cattle Thyroxine (T4) ELISA Kit (orb1146811)

Catalog Number	orb1146811
Category	Assays and Kits
Description	<p>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 biotin-conjugated antibody specific to Thyroxine(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 \pm 10nm. The concentration of Thyroxine(T4) in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Bovine
Concentration	300 ng/mL
Application notes	<p>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 Cattle T4 protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle 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 \pm 10nm. The concentration of Cattle T4 in the samples is then determined by comparing the OD of the samples to the standard curve</p>
Assay Type	Competitive
Assay Time	2h
Range	4.69-300 ng/mL

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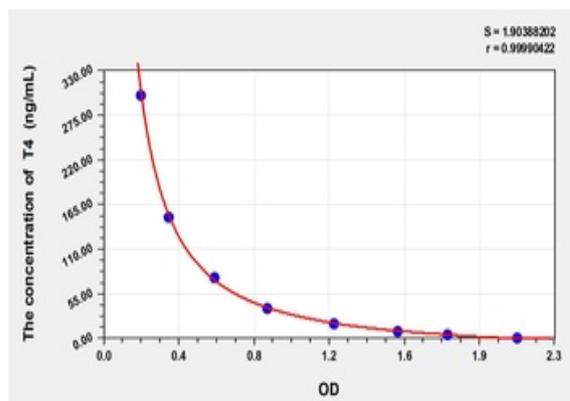
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Sensitivity	1.37 ng/mL
Sample Types	serum, plasma and other biological fluids
Note	For research use only

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