

Product Datasheet

Rat 25 Hydroxy Vitamin D (25-OH-D) ELISA Kit (orb2307978)

Catalog Number orb2307978

Description This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Rat 25-OH-D protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat 25-OH-D. 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 $450\text{nm} \pm 10\text{nm}$. The concentration of Rat 25-OH-D in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Rat

Range 3.13-200 ng/mL

Concentration 200 ng/mL

Note For research use only

Application notes standard: 200 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 25-OH-D protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat 25-OH-D. 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 $450\text{nm} \pm 10\text{nm}$. The concentration of Rat 25-OH-D in the samples is then determined by comparing the OD of the samples to the standard curve

Sample Types serum, plasma and other biological fluids

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Assay Time	2.5h
Sensitivity	0.93 ng/mL
Expiration Date	Please enquire.

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