

Product Datasheet

General Vitamin D (VD) ELISA Kit (orb781821)

Catalog Number	orb781821
Category	Assays and Kits
Description	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Lumisterol(Lum) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Lumisterol(Lum).
Reactivity	All
Concentration	400 ng/mL
Tested applications	ELISA
Application notes	standard: 400 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 VD protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to VD. 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 VD in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Competitive
Assay Time	2.5h
Range	6.25-400 ng/mL
Sensitivity	2.18 ng/mL

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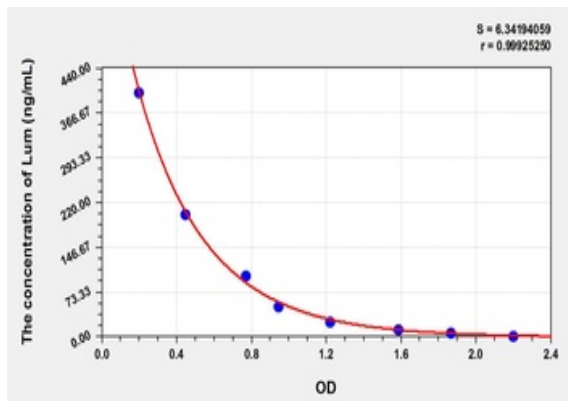
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Sample Types

Serum, plasma and other biological fluids

Note

For research use only

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