

Vitamin D (VD) Rapid ELISA kit

This Rapid ELISA kit applies Competitive Inhibition enzyme immunoassay technique for the quantitative detection. The micro ELISA plate provided in this kit has been pre-coated with Vitamin D (VD) protein. Standards or samples are added to the appropriate micro ELISA plate wells then with a biotin-conjugated antibody specific to Vitamin D (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 Vitamin D (VD) in the samples is then determined by comparing the OD of the samples to the standard curve.

Catalog No.	3510111
Size	96-Well Tests
Product Category	Rapid ELISA
Reactivity	Various
Sample	Serum; Plasma; Other Biological Fluids
Assay Method	Competitive Inhibition ELISA
Assay Duration	45 min
Sensitivity	2.19 ng/mL
Standard Curve Range	6.25-400 ng/mL
Storage/Stability	-20°C/1 year; 4°C/6 months