

Vitamin D3 (VD3) ELISA Kit | VD3 elisa kit

General Vitamin D3 (VD3) Mini Samples ELISA Kit

CATALOG #
AAA147374

REACTIVITY
Pan-species (General)

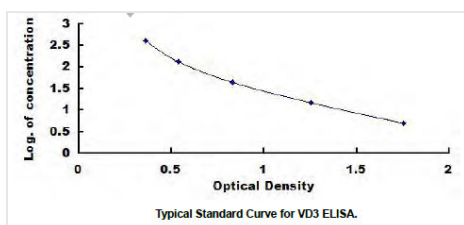
PRODUCT SYNONYMS

Vitamin D3 (VD3); General Vitamin D3 (VD3) Mini Samples ELISA Kit; Cholecalciferol; Toxiferol; Activated 7-Dehydrocholesterol; VD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pan-species (General)
Specificity	This assay has high sensitivity and excellent specificity for detection of VD3. No significant cross-reactivity or interference between VD3 and analogues was observed.
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	4.93-400ng/mL
Sensitivity	< 1.77ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VD3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level VD3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VD3 elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of VD3 in serum, plasma and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to VD3 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled VD3 and unlabeled VD3 (Standards or samples) with the pre-coated antibody specific to VD3. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of VD3 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of VD3 in the sample.
Product Categories/Family for VD3 elisa kit	Metabolic pathway; Reproductive science; Nutrition metabolism; Bone metabolism

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/general-elisa-kits/vitamin-d3-vd3/147374>