

General 25-Hydroxyvitamin D3 (HVD3) ELISA Kit | HVD3 elisa kit

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CATALOG #
AAA67251

REACTIVITY
General

PRODUCT SYNONYMS

25-Hydroxyvitamin D3 (HVD3); General 25-Hydroxyvitamin D3 (HVD3) ELISA Kit; 25-HVD3; 25HVD3; Calcifediol; Calcidiol; H-VD3; 25-Hydroxycholecalciferol; 25-Hydroxy Vitamin D3; 25(OH)D; HVD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of HBF. No significant cross-reactivity or interference between HBF and analogues was observed.
Samples	Human Serum, Plasma, Erythrocyte Lysates And Other Biological Fluids
Assay Type	Quantitative Competitive
Detection Range	2.47-200ng/mL
Sensitivity	0.94ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HBF 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 HBF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for HVD3 elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of HBF in human serum, plasma, erythrocyte lysates and other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to HBF has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled HBF and unlabeled HBF (Standards or samples) with the pre-coated antibody specific to HBF. 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 HBF in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of HBF in the sample.

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.