

General 1,25-Dihydroxyvitamin D3 (DHVD3) RTU ELISA Kit | DHVD3 rtu elisa kit

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CATALOG #
AAA70220

REACTIVITY
General

PRODUCT SYNONYMS

1; 25-Dihydroxyvitamin D3 (DHVD3); General 1; 25-Dihydroxyvitamin D3 (DHVD3) ELISA Kit; DH-VD3; Calcitriol; Rocaltrol; Calcijex; 25-(OH)2D3; 25-Dihydroxycholecalciferol; 25-Dihydroxy Vitamin D3; DHVD3 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of DHVD3. No significant cross-reactivity or interference between DHVD3 and analogues was observed.
Samples	Serum, plasma or other biological fluids
Assay Type	Quantitative Competitive
Detection Range	15.6-1000pg/mL
Sensitivity	< 4.1pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DHVD3 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 DHVD3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

ADDITIONAL INFORMATION

Related Product Information for DHVD3 rtu elisa kit

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of DHVD3 in general serum, plasma or other biological fluids.

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to DHVD3 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled DHVD3 and unlabeled DHVD3 (Standards or samples) with the pre-coated antibody specific to DHVD3. 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 DHVD3 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of DHVD3 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.

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Online datasheet: <https://www.aaabiotech.com/general-rtu-elisa-kits/125-dihydroxyvitamin-d3-dhvd3/70220>