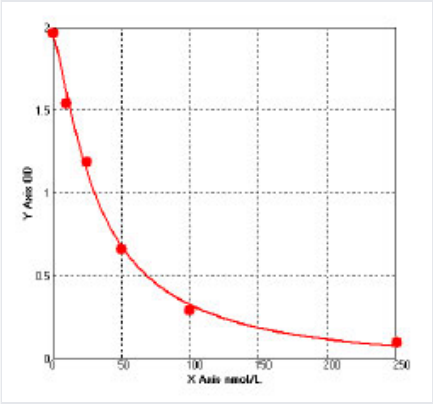
25 Hydroxy Vitamin D (25OHVD) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	25 Hydroxy Vitamin D (25OHVD), ELISA Kit
Full Product Name	Human 25 Hydroxy Vitamin D ELISA Kit
Product Gene Name	25OHVD elisa kit
Species Reactivity	Human
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 nmol/L
Specificity	This assay has high sensitivity and excellent specificity for detection of 25OHVD. No significant cross-reactivity or interference between 25OHVD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between 25OHVD and all the analogues, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store all reagents at 2-8 degree C.
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for 25OHVD elisa kit	Principle of the Assay: 25OHVD ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-25OHVD antibody and an 25OHVD-HRP conjugate. The assay sample and buffer are incubated together with 25OHVD-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the 25OHVD concentration since 25OHVD from samples and 25OHVD-HRP conjugate compete for the anti-25OHVD antibody binding site. Since the number of sites is limited, as more sites are occupied by 25OHVD from the sample, fewer sites are left to bind 25OHVD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 25OHVD concentration in each sample is interpolated from this standard curve. Intended Uses: This 25OHVD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human 25OHVD. This ELISA kit for research use only, not for therapeutic or test applications!
Other Notes	Small volumes of 25OHVD elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for 25OHVD purchase	MBS722906 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the 25 Hydroxy Vitamin D (25OHVD) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing 25OHVD. The ELISA analytical biochemical technique of the MBS722906 kit is based on 25OHVD antibody-25OHVD antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect 25OHVD antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, 25OHVD. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of 25OHVD elisa kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/25ohvd-human-elisa-kits/25-hydroxy-vitamin-d/722906