

Product Datasheet

General 25 Hydroxy Vitamin D (25-OH-D) ELISA Kit (orb1146945)

Catalog Number orb1146945

Description This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with 25 Hydroxy Vitamin D(25-OH-D) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 25 Hydroxy Vitamin D(25-OH-D). 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 $450\text{nm} \pm 10\text{nm}$. The concentration of 25 Hydroxy Vitamin D(25-OH-D) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity All

Range 3.13-200 ng/mL

Concentration 200 ng/mL

Note For research use only

Application notes standard: 200 ng/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with 25-OH-D protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to 25-OH-D. 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 $450\text{nm} \pm 10\text{nm}$. The concentration of 25-OH-D in the samples is then determined by comparing the OD of the samples to the standard curve

Sample Types serum, plasma and other biological fluids

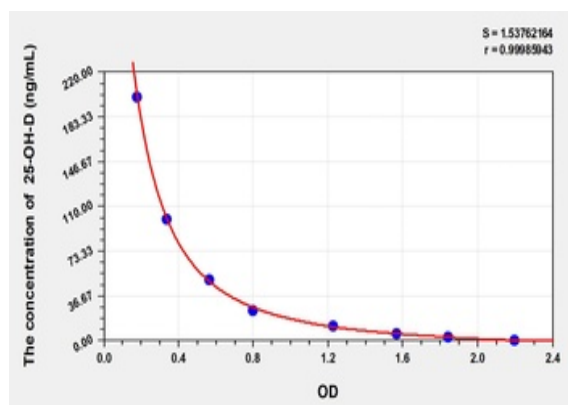
Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Assay Time	2.5h
Sensitivity	0.9 ng/mL
Expiration Date	Please enquire.

**Biorbyt Ltd.**

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)