

## 25-Hydroxy Vitamin D

<b>Method:</b>	25-hydroxy Vitamin D EIA kit, 25 OHD quantitation by enzymeimmunoassay of Serum or Plasma.
<b>Vendor:</b>	<b>ImmunoDiagnosticSystems</b> PLC, Tyne and Wear, NE35 9PD UK. #AC-57SF1
<b>Description:</b>	Vitamin D plays a major role in the calcium and phosphorus homeostasis. Vitamin D deficiency is a cause of hyperparathyroidism and diseases related to impaired bone metabolism (e.g. rickets, osteoporosis, and osteomalacia). Sample is Diluted in Biotin Labeled 25OHD. Samples are incubated in microtiter wells coated in a highly specific sheep 25OHD antibody at RT. Wells are aspirated and washed, then Enzyme (horseradish peroxidase) labelled avidin is added and binds selectively to complexed biotin and, following a further wash step, colour is developed using a chromogenic substrate (TMB). The absorbance of the stopped reaction mixtures are read in a microtitre plate reader. Results are derived from a 4PL standard Curve.

### Collection and Performance Characteristics

<b>Tube type:</b>	Samples should be frozen in tubes or 96-well plates (preferred)..
<b>Sample Volume:</b>	Minimum submission is 25ul Serum or Plasma
<b>Standard range:</b>	0.5-250 nmol/L
<b>Notes:</b>	Contact Core to arrange sample submission and assay.

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