



## 25-OH VITAMIN D

25-OH vitamin D or 25-hydroxy-vitamin D is the preliminary stage of biologically active vitamin D3. It is ingested through food or can be produced by the body itself, provided the skin is exposed to sufficient UV radiation.

25-OH Vitamin D should be determined under the following conditions, e.g.:

- Vitamin D deficiency (depression, weak immune system,...)
- Bone mineralization disorders
- Disorders of the calcium and phosphate balance
- gastrointestinal disorders (malabsorption syndrome)

**DIALAB offers with ELISA and a 2-reagent immunturbidimetric assay for all analysers, two different quantitative methods for the determination of 25-OH Vitamin D:**

REF	Name	Method	Specimen type
<b>918361</b>	Vitamin D	Immunturbidimetric	Serum, Plasma
<b>Z13001</b>	Total 25-OH Vitamin D	ELISA	Serum, Plasma

General information:

	Immunturbidimetric	ELISA
<b>Sample material</b>	Serum, Plasma	Serum, Plasma
<b>Shelf life</b>	12 months	15 months
<b>Method</b>	Immunturbidimetric	Enzyme linked Immunosorbent Assay
<b>Time and Temperature</b>	Fixed time, 37°C	Overall 150 minutes, RT (22-28°C)
<b>Wavelength</b>	700 nm	450 nm (Reference: 620-630 nm)
<b>Linearity / Calibration Range</b>	7.6 – 147.8 ng/mL	0 – 120 ng/mL
<b>Limit of Detection</b>	2.9 ng/mL	0.3 ng/mL

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