

Vitamin D

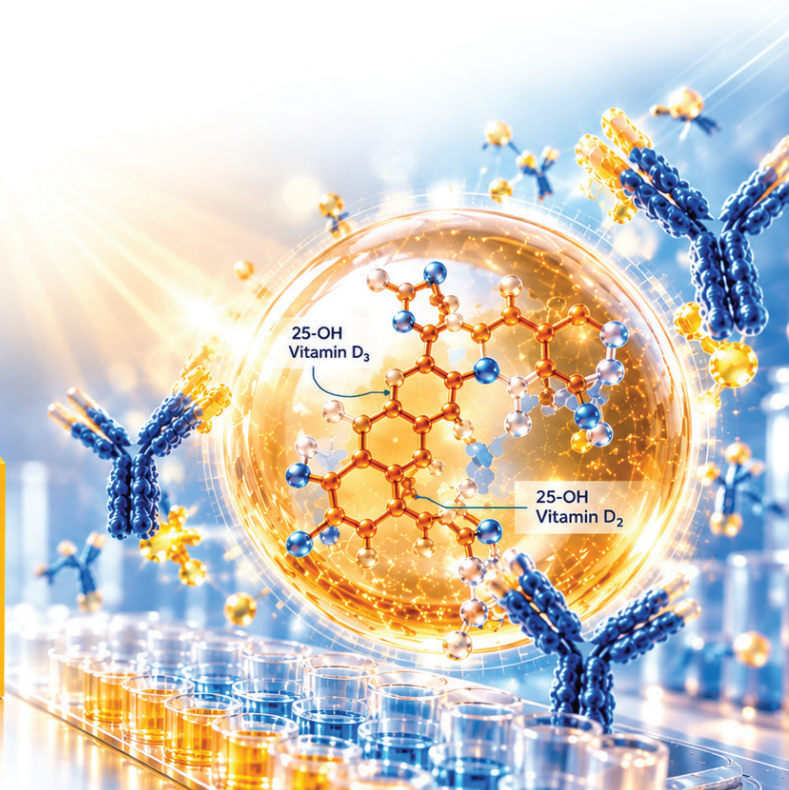
Quanti Microlisa

Microwell ELISA Immunoassay for the Quantitative Detection of

25-OH Vitamin D (total) in Human Serum

Salient Features

- Based on competitive immunoassay principle
- Quantitative detection of 25-OH Vitamin D₂ & D₃
- Results within 90 minutes
- High & Low control provided in the kit
- Linearity range: 2.57 - 130 ng/ ml
- Standards are calibrated against international standard reference NIST-SRM 972a
- Breakaway microwell strips provided in 24 test pack
- Excellent analytical Sensitivity & Specificity
- Long shelf life: 18 months at 2-8°C
- Prompt service back-up
- Available pack size: 96 tests



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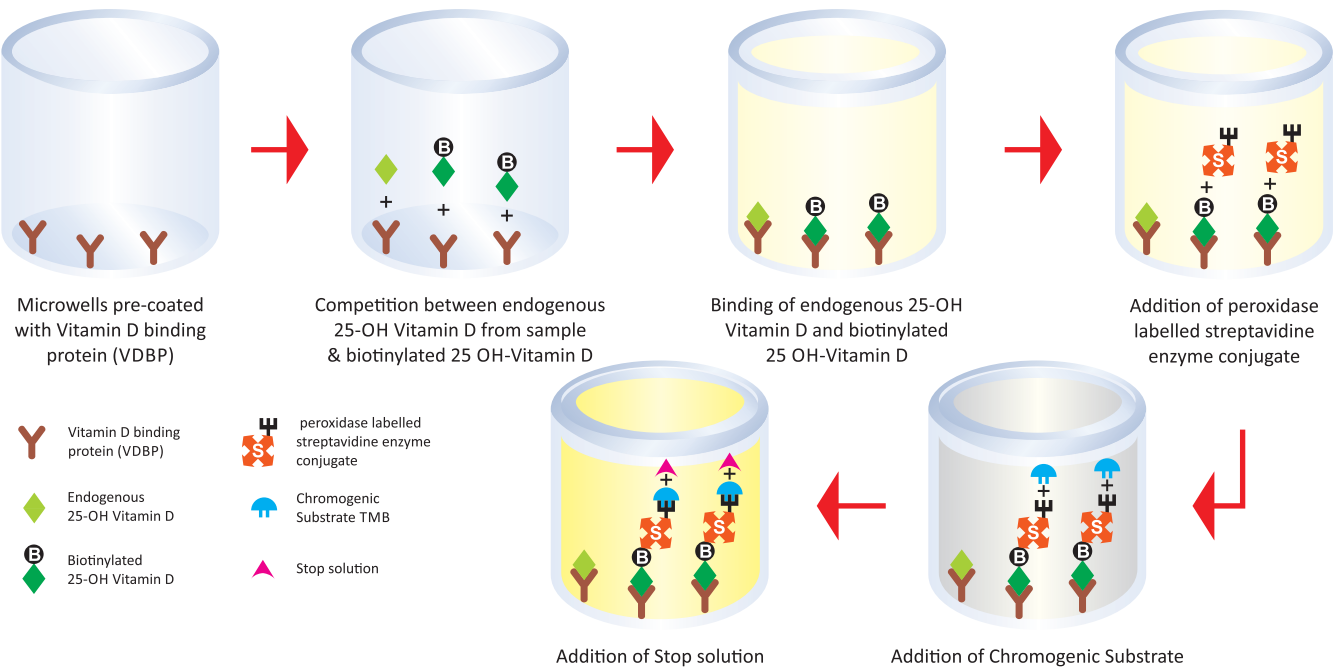


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Test Principle: Competitive Elisa



Reproducibility

Within run (intra-assay) and between run (inter-assay) precision have been determined by testing 20 replicates of 3 different samples of 25-OH Vitamin D (total):

Intra-Assay

Sample	Mean (ng/mL)	n	CV(%)
1	10.1	20	6.1
2	60	20	5.5
3	129.5	20	5.2

Inter-Assay

Sample	Mean (ng/mL)	n	CV(%)
1	10.1	20	9.5
2	60	20	9.2
3	129.5	20	8.5

Specificity

The specificity of the Vitamin D Quanti Microlisa is tested for following substances:

1.25 (OH) 2 vitamin D3	<0.1%
Vitamin D3	3.2%
Haemoglobin (upto 500mg/dl)	<4%
Bilirubin (upto 40 mg/dl)	<4%
Triglycerides (upto 500 mg/dl)	<4%

Accuracy

The Vitamin D concentration of 855 clinical specimens were quantified independently with Vitamin D Quanti Microlisa and commercially available reference tests; LC/MS-MS & NIST reference standards.

The accuracy coefficient is >0.970.



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