



Patient:
DOB:
Sex:
MRN:

Order Number:
Completed:
Received:
Collected:

0036 Fat-Soluble Vitamins Profile - Serum

Methodology: High Performance Liquid Chromatography, LC/Tandem Mass Spectrometry, EIA

Ranges: Ages 13 and over.

Results	QUINTILE DISTRIBUTION					95% Reference Range
	1st	2nd	3rd	4th	5th	
Vitamin A						
1. Vitamin A (Retinol)	0.68	0.36			0.74	0.29 - 1.05 mg/L
2. β-Carotene	0.46	0.15			1.70	0.10 - 2.71 mg/L
Vitamin E						
3. alpha-Tocopherol	34.8 H	9.8			25.1	6.8 - 31.7 mg/L
4. gamma-Tocopherol	0.18	0.26			2.06	0.06 - 2.99 mg/L
Vitamin K						
5. Undercarboxylated Osteocalcin (ucOC)	5.9				3.8	<= 9.0 ng/mL
Coenzyme Q10						
6. Coenzyme Q10	2.12	0.64			2.16	0.48 - 3.04 mg/L
Vitamin D						
7. 25-Hydroxyvitamin D	74.2					Reference Range 30.0 - 100.0 ng/mL
8. 25-Hydroxyvitamin D2	<0.1		30	50	80	
9. 25-Hydroxyvitamin D3	74.1				100	

Normal or elevated levels of fat-soluble vitamins are indicative of sufficient gut absorption, along with adequate dietary or supplement intake. Low levels of fat-soluble vitamins can be related to low dietary intake or to GI conditions affecting absorption including gluten intolerance, pancreatic or bile insufficiency, IBD, or small-bowel surgery. Ensuring gut health and an adequate intake through diet or supplementation can help to increase blood levels.

This test has been developed and its performance characteristics determined by Genova Diagnostics, Inc. It has not been cleared or approved by the U.S. Food and Drug Administration.