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Vitamin tests by *IDK*®

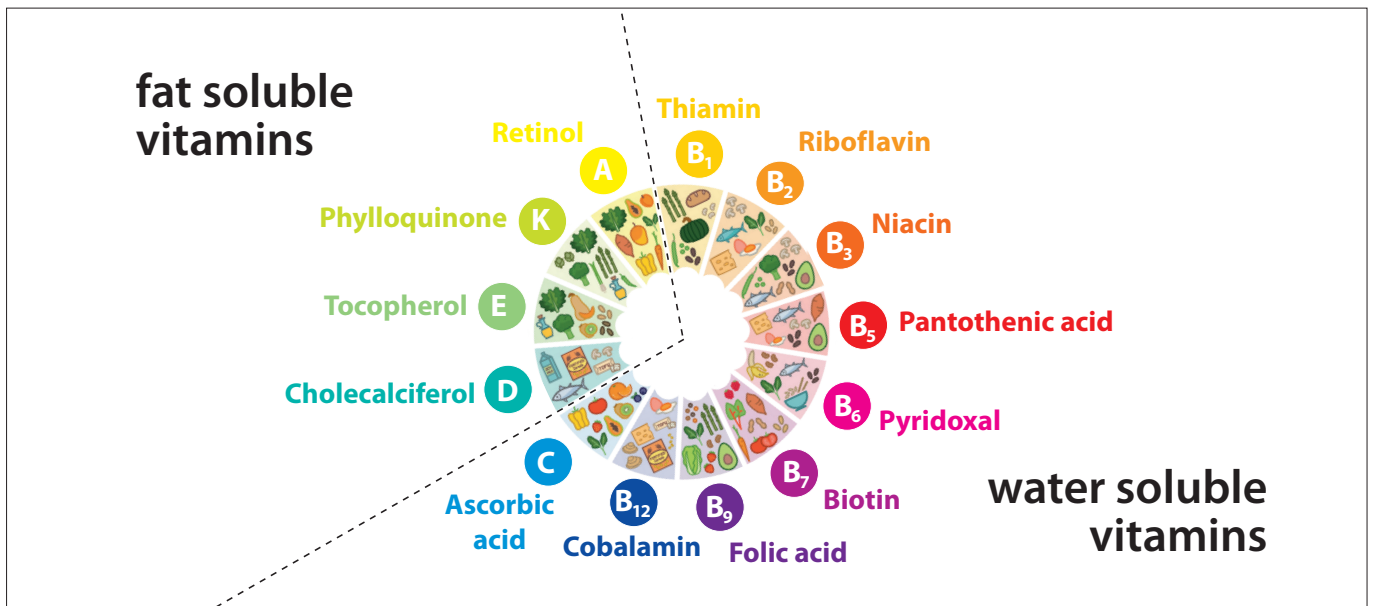


Are you entirely healthy?

Efficient vitamin testing

Discover. Develop. Apply.

Vitamins – essential for life



Fat soluble Vitamins

A

Vitamin A (Retinol)

Role in the body: supports vision and immune system

Deficiency symptoms: vision difficulties, such as changes in visual behavior, diminished mesopic vision, and also susceptibility to infections

K

Vitamin K₁ (Phylloquinone)

Vitamin K₂ (Menaquinone)

Role in the body: supports bone metabolism and blood clotting

Deficiency symptoms: bone metabolism and blood clotting deficiencies

E

Vitamin E (Tocopherol)

Role in the body: functions as an antioxidant and supports the heart and blood circulation

Deficiency symptoms: infections and arteriosclerosis, heart and vascular diseases, muscle weakness, irritability, concentration problems, anemia, aging spots, cataract, infertility, fragile red blood cells

D

Vitamin D (Calciferol)

Role in the body: supports bone mineralization

Deficiency symptoms: Rachitis (Rickets), Osteomalacia



Water soluble Vitamins

B₁

Vitamin B₁ (Thiamine)

Role in the body: supports the nervous system and is involved in energy generation (from glucose), creating collagen

Deficiency symptoms: fatigue, poor digestion, muscle and nervous disorders, heart weakness, paralysis, pins and needles in arms and legs, irritability, depression, Beriberi

B₂

Vitamin B₂ (Riboflavin)

Role in the body: involvement in growth processes, eyes and skin, catabolism of proteins, fatty acids, and carbohydrates for energy generation, acts as an antioxidant

Deficiency symptoms: sores and/or soreness in the mouth, sensitivity to light

B₃

Vitamin B₃ (Niacin)

Role in the body: energy generation, creation of neurotransmitters and repair of DNA, supports the nervous system

Deficiency symptoms: memory problems, weakness, sleeplessness, irritability, Pellagra (dermatitis, diarrhea, dementia)

B₅

Vitamin B₅ (Pantothenic acid)

Role in the body: stimulates metabolism, promotes the synthesis of sex hormones, strengthens the adrenal gland

Deficiency symptoms: duodenal ulcers, blood and skin problems, depression, weakness, loss of appetite, hypoglycemia, poor wound healing, turning gray early

B₆

Vitamin B₆ (Pyridoxal)

Role in the body: participates in the synthesis of hormones, nervous and immune system, protein digestion, detoxification, important pregnancy vitamin

Deficiency symptoms: intestinal disorders, anemia, kidney stones, premenstrual syndrome (PMS), skin rash and dry skin, nervousness, poor skin

B₇

Vitamin B₇ (Biotin)

Role in the body: strengthens skin, hair, nails

Deficiency symptoms: depression, exhaustion, loss of hair, gray hair, eczema, dermatitis

B₉

Vitamin B₉ (Folic acid)

Role in the body: supports cell division and formation, DNA synthesis, development of the nervous system in the unborn child

Deficiency symptoms: neural canal of the fetus, miscarriage, spina bifida (open back-bone)

B₁₂

Vitamin B₁₂ (Cobalamin)

Role in the body: formation of red blood cells and DNA, development of the nervous system

Deficiency symptoms: nervousness, bad memory, sleeplessness, anemia, neurological dysfunctions (funicular myelosis), nerve damage

C

Vitamin C (Ascorbic acid)

Role in the body: supports collagen synthesis in connective and supporting tissues, acts as antioxidant

Deficiency symptoms: slow wound healing, problems with heart and blood vessels, scurvy





... just test all vitamins with *IDK*®

● ELISA ● HPLC ● Microbiological Assay ● LC-MS/MS ● Colorimetry ● DrySpot

Product name	Cat. No.	Serum	Plasma	whole blood	Urine	further
● Vitamin A/E (Retinol/tocopherol)	KC1650	■	■			
● <i>IDK</i> ® Vitamin A & E	KM5200	■	■			
● Vitamin B ₁ (Thiamine pyrophosphate)	KC2201			■		
● <i>ID-Vit</i> ® Vitamin B ₁	KIF001			■		
● <i>IDK</i> ® Vitamin B ₁ & B ₆	KM5100			■		
● <i>ID-Vit</i> ® Vitamin B ₂	KIF002S	■				
● ● Vitamin B ₆ (Pyridoxal-5-phosphate)	KC2151	■	■	■		DBS
● <i>ID-Vit</i> ® Vitamin B ₆	KIF006	■				
● <i>ID-Vit</i> ® Vitamin B ₁₂	KIF012	■				
● <i>IDK</i> ® Biotin (Vitamin H)	K 8141	■	■		■	Milk
● <i>ID-Vit</i> ® Biotin	KIF007	■				
● Vitamin C	KC2900					Li-heparin plasma
● Vitamin C	K 4000	■			■	Li-heparin plasma
● 1,25-(OH) ₂ -Vitamin D ₃ /D ₂ , ImmuTube®	KM1000	■	■			
● 1,25-(OH) ₂ -Vitamin D ₃ /D ₂ IDKenhance® ImmuTube®	KM1002	■	■			
● 1,25-(OH) ₂ -Vitamin D ₃ /D ₂ ImmuPlate® DIY	KM1020	■	■			
● 1,25-(OH) ₂ -Vitamin D ₃ /D ₂ IDKenhance® ImmuPlate® DIY	KM1022	■	■			
● 1,25-(OH) ₂ -Vitamin D ₃ /D ₂ IDKmagnetics® DIY	KM1040	■	■			
● 1,25-(OH) ₂ -Vitamin D ₃ /D ₂ IDKenhance® IDKmagnetics® DIY	KM1042	■	■			
● <i>IDK</i> ® 25-OH-Vitamin D	K 2020	■				
● ● <i>IDK</i> ® 25-OH-Vitamin D	K 2020DBS					DBS
● ImmuTube® Vitamin D duo for the determination of 24,25-(OH) ₂ -D ₃ and 25-OH-D ₃ /D ₂	KM1310	■	■			
● <i>IDK</i> magnetics® Vitamin D duo for the determination of 24,25-(OH) ₂ -D ₃ and 25-OH-D ₃ /D ₂	KM1320	■	■			
● <i>ID-Vit</i> ® Folic acid	KIF005	■				
● <i>ID-Vit</i> ® Folic acid in whole blood	KIF005VB			■		
● 3-OH-Isovalerylcarnitine	KM3200					Citrate plasma
● <i>IDK</i> ® Methylmalonic acid	KM3110	■	■		■	
● <i>ID-Vit</i> ® Niacin	KIF003	■				
● <i>ID-Vit</i> ® Pantothenic acid	KIF004	■				
● Vitamin K ₁	KC2400	■	■			
● <i>IDK</i> ® Vitamin K ₁ /K ₂	KC2402	■	■			

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