

Whole Blood Nutrient	Micronutrient 3.0				NutriPro			
	Nutrient	Extracellular (Serum)	Intracellular (WBC)	Intracellular (RBC)	Nutrient	rsID	Gene Variant	
<b>Vitamins</b>								
Folate	Folate	✓			Vitamin A	rs11645428	BCM01	
Vitamin A	Vitamin A	✓	✓			rs7501331, rs12934922	BC01	
Vitamin B1	Vitamin B1	✓	✓			rs6564851	BCM01	
Vitamin B2	Vitamin B2	✓	✓			rs1667255	TTR	
Vitamin B3	Vitamin B3	✓	✓			Beta carotene	rs11645428	BCM01
Vitamin B5	Vitamin B5	✓	✓			Vitamin B1	rs17514104	SLC35F3
Vitamin B6	Vitamin B6	✓	✓		Vitamin B2	rs1799983	NOS3	
Vitamin C	Vitamin B12	✓	✓			rs778479139	SLC52A3	
Vitamin D3	Vitamin C	✓	✓		Vitamin B6	rs121964972, rs5742905	CBS	
Vitamin E	Vitamin D3	✓	✓			Vitamin B7 (Biotin)	rs13078881	BTD
Vitamin K1	Vitamin D, 25-OH	✓	✓		Vitamin B9 (Folate)	rs1801133, rs1801131	MTHFR	
Vitamin K2	Vitamin E	✓				Vitamin B12	rs602662, rs492602	FUT2
<b>Minerals</b>	Calcium	✓	✓		rs526934		TCN1	
Calcium	Chromium	✓			Vitamin C	rs33972313	SLC23A1	
Chromium	Copper	✓	✓			rs6139591	SVCT1, SVCT2	
Copper	Copper/Zinc Ratio	✓	✓			rs4257763	SVCT1	
Copper/Zinc Ratio	Iron	✓		✓	Vitamin D, 25-OH	rs6596473	SLC23A1	
Iron	Magnesium			✓		rs7041, rs4588	GC	
Magnesium	Manganese	✓	✓			rs12785878	NADSYN1	
Manganese	Potassium	✓	✓			rs10741657	CYP2R1	
Zinc	Sodium	✓		✓		rs2282679	GC	
<b>Amino Acids</b>	Zinc	✓			1,25-dihydroxyvitamin D	rs4588	VDR	
Arginine					Vitamin D2 (Ergocalciferol)	rs10766197, rs1993116	CYP2R1	

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<b>Metabolites</b> Carnitine	Arginine	✓			Vitamin D3 (Cholecalciferol)	rs10877012	CYP27B1
	Choline	✓	✓			rs3782130	CYP27B1
Inositol	Asparagine	✓			Vitamin E (α-tocopherol)	rs12272004	APOA5
	Methylmalonic acid (MMA)	✓				Vitamin E (γ tocopherol)	rs671
<b>Antioxidants</b> Coenzyme Q10	Citrulline	✓			Vitamin K1	rs2108622	CYP4F2
	Glutamine	✓	✓			Sodium	rs2304478, rs7204044
	Isoleucine	✓			Potassium	rs4343	ACE
	Leucine	✓			Calcium	rs4516035	VDR
	Serine	✓	✓		Zinc	rs11126936	SLC30A3
	Valine	✓			Selenium	rs11126936	GPX1
	Carnitine	✓	✓		Molybdenum	rs594445	MOCOS
	Choline	✓	✓			Tetrahydrobiopterin (BH4)	rs5030853
	Inositol	✓	✓		rs8007267		GCH1
	Methylmalonic Acid (MMA)	✓			Iodine	rs225014	DIO2
	Coenzyme Q10	✓	✓		Fluoride	rs4284505	ESR1
	Cysteine	✓	✓		Phosphorus	rs4074995	RGS14
	Glutathione		✓		Iron	rs855791	TMPRSS6
	Selenium	✓	✓			rs4820268	TMPRSS6
	RBC Omega fatty acids (n3 and n6)			✓		rs3811647	TF
	AA/EPA Ratio			✓		rs1800562	HFE
						rs1799945	HFE
					Manganese	rs13107325	SLC39A8
					Magnesium	rs4680	COMT
					Copper	rs76151636	ATP7B
					Chromium		
					Myo-Inositol		

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## Whole Blood Nutrient - Finger Prick

- Measures the nutrient status of common vitamins, minerals, antioxidants, metabolites, and amino acids at the cellular level, providing a baseline assessment of your whole blood micronutrient status.
- If you are diagnosed with or suspect you have a chronic inflammatory condition, autoimmune disease (Celiac, Crohn's, etc.), or any condition associated with nutrient malabsorption, you may benefit from this panel.
- For more information, please visit <https://www.vibrant-wellness.com/test/WholeBloodNutrientProfile>

## Micronutrient 3.0 - Blood Draw

- A comprehensive assessment of an individual's extra- and intracellular levels of vitamins, minerals, co-factors, amino acids, metabolites, antioxidants, and essential fatty acids
- Provides the most complete and accurate picture of a patient's micronutrient status and both short and long-term nutritional status over the previous four months prior to testing.
- For more information, please visit <https://www.vibrant-wellness.com/test/MicronutrientPanel>

## NutriPro - Blood Draw

- Understanding an individual's genetic predispositions allows personalization of diet and supplement recommendations to optimize nutrition
- Identify nutrient deficiencies, which are an underlying condition for many clinical diseases, and learn if genetics are making it difficult to absorb nutrients or convert them into a usable form
- For more information, please visit <https://www.vibrant-wellness.com/test/NutriPro>

## What are the differences between the tests?

- Whole Blood Nutrient is a basic screening for nutrient status and looks at blood as a whole, thus one value is reported.
- Micronutrient 3.0 and NutriPro are comprehensive screenings for nutrient status, looking at both extracellular and intracellular nutrient levels
- NutriPro also includes genetic risk information for micronutrient abnormalities and a trendline to better assist nutrient monitoring over time.

NutriPro		
Nutrient	rsID	Gene Variant
Coenzyme Q10 (Ubiquinone + Ubiquinol)	rs775607037	COQ4
	rs786204770	COQ4
Glutathione, Oxidized	rs121909307	GSS
	rs1695	GSTP1
Methylmalonic acid (MMA)	rs291466	HICBH
	rs121918252	MUT
Choline	rs3733890	BHMT
	rs7946	PEMT
Phenylalanine	rs5030853	PAH
L-Cysteine		
L-Asparagine		
L-Glutamine		
L-Serine		
L-Arginine		
L-Citrulline		
L-Isoleucine		
L-Valine		
L-Leucine		
Free Carnitine		
DHA (Docosahexaenoic acid)		
EPA (Eicosapentaenoic acid)		
DPA (Docosapentaenoic acid)		
AA (Arachidonic acid)		
LA (Linoleic acid)		
Omega-3 Total		
Omega-6 Total		
Omega-3 index		

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