

## SP03 Cardio Nutrient Panel

PATIENT INFORMATION		TEST INFORMATION	
Name:		Request No. 2021001586	
Client Code:		Specimen Collected: W, S, pRBC	
Gender: Female	Date of Birth:	Date Collected: 07/04/2021	
Referring Clinic/Institution:		Date Received: 07/06/2021	
Referring Physician:		Date of Report: 07/14/2021	

### NUTRIENT TEST RESULTS

NUTRIENT MARKER	REF. RANGE	RESULT	DEFICIENT	NORMAL	EXCESS
Calcium in Whole Blood	48.00 - 61.00 mg/L	50.70 mg/L		●	
Chromium in Whole Blood	0.18 - 2.78 ug/L	BDL ug/L			
CoQ10-Ubiquinone in serum	475.00 - 3000.00 ug/L	1121 ug/L		●	
Ferritin in Serum	15.00 - 300.00 ng/mL	98.30 ng/mL			
Magnesium in Whole Blood	34.00 - 48.00 mg/L	39.8 mg/L		●	
Manganese in Whole Blood	3.00 - 17.00 ug/L	11.6 ug/L			
Selenium in Whole Blood	110.00 - 400.00 ug/L	438.21 ug/L			●
Vit B9-Folate in serum	≥ 4.00 ug/L	13.50 ug/L			
Vit B12-Cobalamin in serum	165.00 - 1600.00 ng/L	2118.23 ng/L			●
Vit K-Phylloquinone in serum	0.10 - 2.20 ug/L	1.06 ug/L			
Zinc in Whole Blood	5.30 - 6.50 mg/L	6.4 mg/L		●	
Total 25-Hydroxyvitamin D (25 (OH)D)	30.00 - 80.00 ug/L	31.34 ug/L			

### COMMENTS

BDL means below detection limit or not detected.



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## Essential Fatty Acids in RBC

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### TEST RESULTS

NUTRIENT MARKER	REF. INTERVAL	RESULT
<b>Omega - 3</b>	<b>4.70 - 11.60 %</b>	<b>9.91%</b>
Alpha-linolenic acid (ALA)	0.10 - 0.40 %	0.082 %
Docosahexaenoic acid (DHA)	4.00 - 9.40 %	8.458 %
Eicosapentaenoic acid (EPA)	0.60 - 1.70 %	1.319 %
Eicosatrienoic Acid (ETE)	0.00 - 0.10 %	0.053 %
<b>Omega - 6</b>	<b>27.70 - 42.40 %</b>	<b>37.95%</b>
Arachidonic acid (AA)	14.20 - 19.20 %	19.853 %
Dihomo Gamma Linolenic Acid	1.20 - 2.20 %	2.078 %
Docosatetraenoic acid (DTA)	1.60 - 4.40 %	3.264 %
Eicosadienoic Acid (EDA)	0.00 - 0.30 %	0.273 %
Gammalinolenic acid (GLA)	0.10 - 0.30 %	0.059 %
Linoleic Acid (LA)	10.60 - 16.00 %	12.425 %
<b>Omega - 9</b>	<b>14.20 - 21.80 %</b>	<b>17.78%</b>
Cis Oleic Acid	14.20 - 19.80 %	17.247 %
Eicosenoic Acid	0.00 - 0.40 %	0.292 %
Erucic Acid	0.00 - 0.10 %	0.045 %
Nervonic Acid	0.00 - 0.90 %	0.021 %
Trans-elaidic acid (TEA)	0.00 - 0.60 %	0.179 %
<b>Saturated Fatty Acids</b>	<b>32.60 - 45.80 %</b>	<b>34.35%</b>
Palmitic Acid	17.20 - 25.60 %	18.176 %
Stearic Acid	15.40 - 20.20 %	16.173 %
<b>Ratio</b>		
Ratio Omega 6/Omega 3	<b>2.40 - 9.00</b>	<b>3.83</b>
Ratio AA/EPA	<b>&lt;15</b>	<b>15.05</b>



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### COMMENTS

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