LabCorp

Patient Report

Specimen ID:
Control ID:

Phone: **Rte:**

Patient Details	Specimen Details	Physician Details
DOB:	**Date collected:**	**Ordering:**
Age(y/m/d):	**Date received:**	**Referring:**
Gender:	**Date entered:**	**ID:**
Patient ID:	**Date reported:**	**NPI:**

General Comments & Additional Information

Alternate Control Number:
Total Volume:

Alternate Patient ID:
Fasting: Yes

Ordered Items

Comp. Metabolic Panel (14); OmegaCheck(TM) (EPA+DPA+DHA); Iron and TIBC; Vitamin B12 and Folate; Vitamin E; Vitamin C; Vitamin B6, Plasma; Vitamin A, Serum; Vitamin D, 25-Hydroxy; Vitamin B1 (Thiamine), Blood; Vitamin K1; Magnesium; Zinc, Plasma or Serum; Ferritin, Serum; Drawing Fee

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Comp. Metabolic Panel (14)					
Glucose	94		mg/dL	65-99	01
BUN	14		mg/dL	8-27	01
Creatinine	0.94		mg/dL	0.57-1.00	01
eGFR If NonAfricn Am	60		mL/min/1.73	>59	
eGFR If Africn Am	70		mL/min/1.73	>59	
BUN/Creatinine Ratio	15			12-28	
Sodium	140		mmol/L	134-144	01
Potassium	4.1		mmol/L	3.5-5.2	01
Chloride	102		mmol/L	96-106	01
Carbon Dioxide, Total	25		mmol/L	20-29	01
Calcium	9.2		mg/dL	8.7-10.3	01
Protein, Total	7.8		g/dL	6.0-8.5	01
Albumin	4.3		g/dL	3.7-4.7	01
Globulin, Total	3.5		g/dL	1.5-4.5	
A/G Ratio	1.2			1.2-2.2	
Bilirubin, Total	0.5		mg/dL	0.0-1.2	01
Alkaline Phosphatase	63		IU/L	39-117	01
AST (SGOT)	21		IU/L	0-40	01
ALT (SGPT)	16		IU/L	0-32	01
OmegaCheck(TM) (EPA+DPA+DHA)					
OmegaCheck(TM)	10.5		% by wt	>5.4	03

Relative Risk: LOW
Increasing blood levels of long-chain n-3 fatty acids are associated with a lower risk of sudden cardiac death (1). Based on the top (75th percentile) and bottom (25th percentile) quartiles of the CHL reference population, the following risk categories were established for OmegaCheck: A cut-off of >=5.5% by wt defines a population at low

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relative risk, 3.8-5.4% by wt defines a population at moderate relative risk, and <=3.7% by wt defines a population at high relative risk of sudden cardiac death. The totality of the scientific evidence demonstrates that when consumption of fish oils is limited to 3 g/day or less of EPA and DHA, there is no significant risk for increased bleeding time beyond the normal range. A daily dosage of 1 gram of EPA and DHA lowers the circulating triglycerides by about 7-10% within 2 to 3 weeks. (Reference: 1-Albert et al. NEJM. 2002; 346: 1113-1118).					
Arachidonic Acid/EPA Ratio	15.7			3.7-40.7	02
Omega-6/Omega-3 Ratio	9.1			3.7-14.4	02
Omega-3 total	4.1		% by wt		02
EPA	0.7		% by wt	0.2-2.3	02
DPA	1.1		% by wt	0.8-1.8	02
DHA	2.3		% by wt	1.4-5.1	02
Omega-6 total	37.3		% by wt		02
Cleveland HeartLab measures a number of omega-6 fatty acids with AA and LA being the two most abundant forms reported.					
Arachidonic Acid	11.0		% by wt	8.6-15.6	02
Linoleic Acid	23.7		% by wt	18.6-29.5	02
This test is performed by a Liquid Chromatography-Tandem Mass Spectrometry (LC/MS/MS) method. This test was developed and its performance characteristics determined by the Cleveland HeartLab, Inc. It has not been cleared or approved by the U.S. FDA. The Cleveland HeartLab is regulated under Clinical Laboratory Improvement Amendments (CLIA) as qualified to perform high-complexity testing. This test is used for clinical purposes. It should not be regarded as investigational or for research.					
PDF	.				02
Iron and TIBC					
Iron Bind.Cap.(TIBC)	333		ug/dL	250-450	
UIBC	233		ug/dL	111-343	01
Iron	100		ug/dL	38-169	01
Iron Saturation	30		%	15-55	
Vitamin B12 and Folate					
Vitamin B12	736		pg/mL	232-1245	01
Folate (Folic Acid), Serum	16.8		ng/mL	>3.0	01
Note:					01
A serum folate concentration of less than 3.1 ng/mL is considered to represent clinical deficiency.					
Vitamin E					
Vitamin E(Alpha Tocopherol) [A]	17.5		mg/L	9.0-29.0	01
Vitamin E(Gamma Tocopherol) [A]	0.6		mg/L	0.5-4.9	01

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Reference intervals for alpha and gamma-tocopherol determined from National Health and Nutrition Examination Survey, 2005-2006. Individuals with alpha-tocopherol levels less than 5.0 mg/L are considered vitamin E deficient.					
Vitamin C [A]	1.0		mg/dL	0.4-2.0	01
Vitamin C deficiency is generally defined as plasma or serum concentrations less than 0.2 mg/dL and levels between 0.2 and 0.4 mg/dL are considered low.					
Vitamin B6, Plasma					
Vitamin B6 [A]	31.9		ug/L	2.0-32.8	01
Vitamin A, Serum					
Vitamin A	37.2		ug/dL	22.0-69.5	01
Reference intervals for vitamin A determined from LabCorp internal studies. Individuals with vitamin A less than 20 ug/dL are considered vitamin A deficient and those with serum concentrations less than 10 ug/dL are considered severely deficient. This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration.					
Vitamin D, 25-Hydroxy	35.5		ng/mL	30.0-100.0	01
Vitamin D deficiency has been defined by the Institute of Medicine and an Endocrine Society practice guideline as a level of serum 25-OH vitamin D less than 20 ng/mL (1,2). The Endocrine Society went on to further define vitamin D insufficiency as a level between 21 and 29 ng/mL (2).					
1. IOM (Institute of Medicine). 2010. Dietary reference intakes for calcium and D. Washington DC: The National Academies Press.					
2. Holick MF, Binkley NC, Bischoff-Ferrari HA, et al. Evaluation, treatment, and prevention of vitamin D deficiency: an Endocrine Society clinical practice guideline. JCEM. 2011 Jul; 96(7):1911-30.					
Vitamin B1 (Thiamine), Blood					
Vit. B1, Whole Blood [A]	108.3		nmol/L	66.5-200.0	01
Vitamin K1 [A]	0.20		ng/mL	0.13-1.88	03
Magnesium	2.0		mg/dL	1.6-2.3	01
Zinc, Plasma or Serum [A]	92		ug/dL Detection Limit = 5	56-134	01
Ferritin, Serum	307		ng/mL	30-400	01

Comments:

[A] This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration.

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