



# LABORATORY REPORT

Example Client, XYZ123  
 1234 Warde Road  
 Ann Arbor MI 48108

**EXAMPLE, REPORT W**  
 WX0000003827 M 07/08/1978 45 Y

## Referral Testing

Collected: 10/03/2023 15:31 Received: 10/03/2023 15:31

Test Name	Result	Flag	Ref-Ranges	Units	Site
Fatty Acid Profile, Comprehensive (C8-C26), Plasma	See Below				WMMR

Test	Result	Flag	Ref Value
Fatty Acid Profile, Comprehensive,S			
Octanoic Acid, C8:0	31		8-47 nmol/mL
Decenoic Acid, C10:1	1.7	L	1.8-5.0 nmol/mL
Decanoic Acid, C10:0	6		2-18 nmol/mL
Lauroleic Acid, C12:1	2.1		1.4-6.6 nmol/mL
Lauric Acid, C12:0	19		6-90 nmol/mL
Tetradecadienoic Acid, C14:2	1.2		0.8-5.0 nmol/mL
Myristoleic Acid, C14:1	14		3-64 nmol/mL
Myristic Acid, C14:0	202		30-450 nmol/mL
Hexadecadienoic Acid, C16:2	17		10-48 nmol/mL
Hexadecenoic Acid, C16:1w9	51		25-105 nmol/mL
Palmitoleic Acid, C16:1w7	338		110-1130 nmol/mL
Palmitic Acid, C16:0	3358		1480-3730 nmol/mL
g-Linolenic Acid, C18:3w6	16		16-150 nmol/mL
a-Linolenic Acid, C18:3w3	76		50-130 nmol/mL
Linoleic Acid, C18:2w6	3533		2270-3850 nmol/mL
Oleic Acid, C18:1w9	2400		650-3500 nmol/mL
Vaccenic Acid, C18:1w7	245	L	280-740 nmol/mL
Stearic Acid, C18:0	954		590-1170 nmol/mL
EPA, C20:5w3	661	L	14-100 nmol/mL
Arachidonic Acid, C20:4w6	1185		520-1490 nmol/mL
Mead Acid, C20:3w9	27		7-30 nmol/mL
h-g-Linolenic Acid, C20:3w6	131		50-250 nmol/mL
Arachidic Acid, C20:0	35	L	50-90 nmol/mL
DHA, C22:6w3	493	H	30-250 nmol/mL
DPA, C22:5w6	15		10-70 nmol/mL
DPA, C22:5w3	137		20-210 nmol/mL
DTA, C22:4w6	19		10-80 nmol/mL
Docosenoic Acid, C22:1	6		4-13 nmol/mL
Docosanoic Acid, C22:0	66.2		0.0-96.3 nmol/mL
Nervonic Acid, C24:1w9	113	H	60-100 nmol/mL
Tetracosanoic Acid, C24:0	59.8		0.0-91.4 nmol/mL
Hexacosanoic Acid,			

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED



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Table with 7 columns: Test Name, Result, Flag, Ref-Ranges, Units, Site. Rows include fatty acid tests like C26:1, Hexacosanoic Acid, C26:0, etc.

Interpretation

In this sample, the concentration of docosahexaenoic acid (C22:6 omega 3, DHA) was elevated (? dietary supplementation). Otherwise, the fatty acid profile is essentially normal.

ADDITIONAL INFORMATION

Gas Chromatography-Mass Spectrometry (GC-MS) Stable Isotope Dilution Analysis

Laboratory Notes

This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Test performed at

Mayo Clinic Laboratories - Rochester Main Campus
200 First St SW Rochester, MN 55905
Lab Director: William G. Morice, II, M.D., Ph.D.

Performing Site:

WMMR: MAYO CLINICAL LABS 3050 Superior Drive NW Rochester MN 55901

Reported Date: 2023.10.03 15:31

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