



Clinical Laboratory

3425 Corporate Way
Duluth, GA 30096
770.446.5483 Fax:770.441.2237

Ordering Physician:

Metamatrix

3425 Corporate Way
Duluth, GA 30096

Accession Number: **A0904140165**

Reference Number:

Patient: Sample Report

Age: 47 Sex: Female

Date of Birth: 02/05/1962

Date Collected: 4/13/09

Date Received: 4/14/09

Report Date: 4/14/09

Telephone: (770) 446-4583

Fax: (770) 441-2237

Reprinted: 5/6/09

Comment:

0040 Fatty Acids - Plasma

Methodology: Capillary Gas Chromatography/Mass Spectrometry

Reference ranges have been updated due to method improvements.

Ordering Physician:

Metametrix

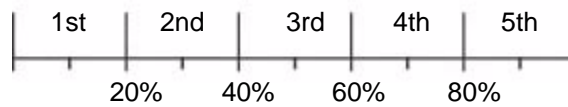
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Methodology: Capillary Gas Chromatography/Mass Spectrometry

Ranges are for ages 13 and over

Percentile Ranking by Quintile



**95%
Reference
Interval**

Polyunsaturated Omega-3

Results	uM	Percentile	95% Reference Interval
1	Alpha Linolenic (18:3n3)	16	10 - 70
2	Eicosapentaenoic (20:5n3)	25	8 - 225
3	Docosapentaenoic (22:5n3)	15	9 - 47
4	Docosahexaenoic (22:6n3)	30 L	32 - 184

Polyunsaturated Omega-6

5	Linoleic (18:2n6)	1,060	431 - 1,278
6	Gamma Linolenic (18:3n6)	6.1	3.1 - 31.9
7	Eicosadienoic (20:2n6)	4.7 L	3.5 - 15.9
8	Dihomogamma Linolenic (20:3n6)	31	18 - 99
9	Arachidonic (20:4n6)	456 H	137 - 560
10	Docosadienoic (22:2n6)	0.3	<= 0.6
11	Docosatetraenoic (22:4n6)	3.7	2.1 - 15.4

Polyunsaturated Omega-9

12	Mead (20:3n9)	2.3	<= 7.4
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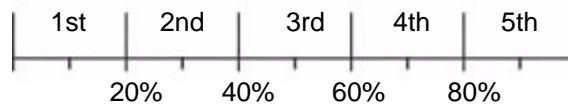
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**95%
Reference
Interval**

Georgia Lab Lic. Code #067-007
 CLIA ID# 11D0255349

New York Clinical Lab PFI #4578
 Florida Clinical Lab Lic. #800008124

Laboratory Directors: J. Alexander Bralley, PhD
 Robert M. David, PhD

Page 1

Monounsaturated

	Results uM		
13 Myristoleic (14:1n5)	1.0	0.8 — 4.8	0.8 - 6.8
14 Palmitoleic (16:1n7)	98	28 — 110	21 - 164
15 Vaccenic (18:1n7)	50	36 — 74	29 - 85
16 Oleic (18:1n9)	651	640 — 1,292	501 - 1,579
17 11-Eicosenoic (20:1n9)	2.9 L	3.1 — 7.9	2.4 - 9.1
18 Nervonic (24:1n9)	0.9	— 1.4	<= 1.6

Saturated

19 Capric (10:0)	1.6	1.4 — 3.5	1.0 - 5.0
20 Lauric (12:0)	4.0	2.2 — 10.4	1.4 - 26.6
21 Myristic (14:0)	39	17 — 62	12 - 91
22 Palmitic (16:0)	1,985	891 — 2,042	806 - 2,550
23 Stearic (18:0)	575	373 — 642	328 - 684
24 Arachidic (20:0)	1.8	1.4 — 2.8	1.1 - 3.6

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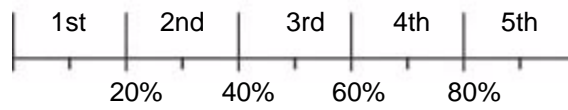
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25 Behenic (22:0)	1.0
26 Lignoceric (24:0)	1.1
27 Hexacosanoic (26:0)	<0.62



**95%
Reference
Interval**

<= 1.7
<= 1.7
<= 0.62

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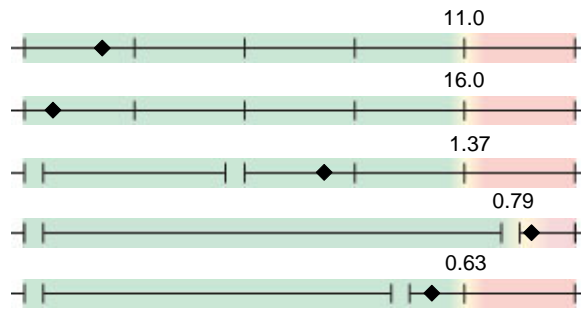
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 Robert M. David, PhD

Odd Chain

Results
uM

28 Pentadecanoic (15:0)	6.1
29 Heptadecanoic (17:0)	4.6
30 Nonadecanoic (19:0)	1.15
31 Heneicosanoic (21:0)	0.24
32 Tricosanoic (23:0)	0.12



<= 13.4
<= 20.0
<= 1.61
<= 0.88
<= 0.96

Trans

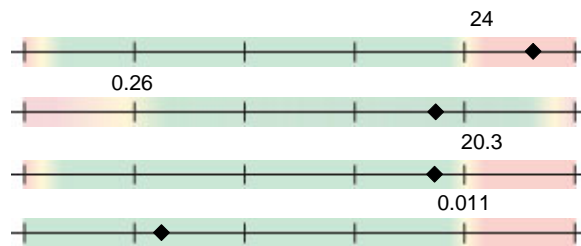
33 Palmitelaidic (16:1n7t)	1.27
34 Total C:18 Trans	21



<= 2.06
<= 53

Ratios

35 LA/DGLA	34 H
36 EPA/DGLA	0.81
37 AA/EPA	18.2
38 Triene/Tetraene	0.005



7 - 35
0.12 - 8.18
1.3 - 41.0
<= 0.017



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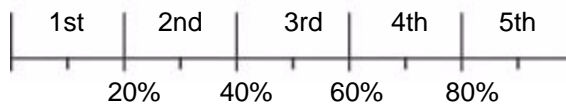
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· These guidelines are intended as a starting point for the clinician who requested the test and are based only on the laboratory results included in this report. Final recommendations should be implemented by the clinician with consideration of medical history and current clinical observations.

· These tests are not intended for the diagnosis of specific disorders.

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