
Metamatrix
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: **A0910260147**

Reference Number:

Patient: **Sample Report**

Age: 47 *Sex:* Female

Date of Birth: 02/05/1962

Date Collected: 10/25/09

Date Received: 10/26/09

Report Date: 11/10/09

Telephone: (770) 446-4583

Fax: (770) 441-2237

Reprinted: 12/14/09

Comment:

0041 Fatty Acids - Erythrocytes

Reference ranges have been changed due to method improvements.

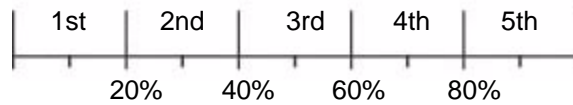
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0041 Fatty Acids - Erythrocytes

Methodology: Capillary Gas Chromatography/Mass Spectrometry

Percentile Ranking by Quintile



**95%
 Reference
 Interval**

Polyunsaturated Omega-3

Results
 uM

Acid	Result	Percentile	95% Reference Interval
1 Alpha Linolenic (18:3n3)	3.4	27	1.9 - 10.0
2 Eicosapentaenoic (20:5n3)	12	11	11 - 94
3 Docosapentaenoic (22:5n3)	43 L	44	29 - 95
4 Docosahexaenoic (22:6n3)	45 L	75	43 - 203

Polyunsaturated Omega-6

Acid	Result	Percentile	95% Reference Interval
5 Linoleic (18:2n6)	250	169	118 - 403
6 Gamma Linolenic (18:3n6)	3.2 H	0.7	0.5 - 3.7
7 Eicosadienoic (20:2n6)	5.8	3.8	3.1 - 8.4
8 Dihomogamma Linolenic (20:3n6)	21	19	15 - 57
9 Arachidonic (20:4n6)	365	234	197 - 428
10 Docosadienoic (22:2n6)	0.9	0.7	0.6 - 1.9
11 Docosatetraenoic (22:4n6)	51	28	19 - 92

Polyunsaturated Omega-9

Acid	Result	Percentile	95% Reference Interval
12 Mead (20:3n9)	1.3	1.9	<= 2.5

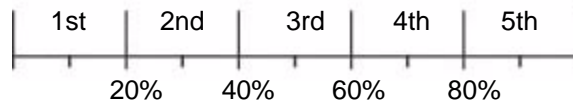
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Methodology: Capillary Gas Chromatography/Mass Spectrometry

Percentile Ranking by Quintile



**95%
 Reference
 Interval**

Monounsaturated

	Results uM			
13 Myristoleic (14:1n5)	<0.68		0.91	<= 0.91
14 Palmitoleic (16:1n7)	14.0 H	5.3	13.6	4.0 - 20.3
15 Vaccenic (18:1n7)	24	20	33	17 - 37
16 Oleic (18:1n9)	270	264	432	245 - 481
17 11-Eicosenoic (20:1n9)	4.1	3.7	8.8	3.2 - 11.1
18 Nervonic (24:1n9)	2.0	1.7	4.1	1.6 - 5.1

Saturated

19 Capric (10:0)	<0.41		0.70	<= 0.93
20 Lauric (12:0)	<0.96 L	1.10	2.22	1.01 - 3.96
21 Myristic (14:0)	5.4	4.3	11.6	3.6 - 16.2
22 Palmitic (16:0)	660 H	427	616	397 - 672
23 Stearic (18:0)	565 H	401	552	376 - 584
24 Arachidic (20:0)	1.0 L	1.7	3.1	1.5 - 3.8
25 Behenic (22:0)	1.4	1.1	2.2	1.0 - 2.8
26 Lignoceric (24:0)	2.5	1.7	3.3	1.5 - 4.0
27 Hexacosanoic (26:0)	0.49	0.43	0.83	0.29 - 1.00

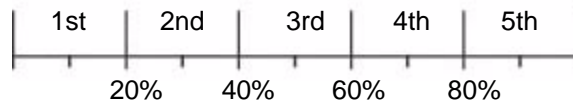
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Methodology: Capillary Gas Chromatography/Mass Spectrometry

Percentile Ranking by Quintile



**95%
 Reference
 Interval**

Odd Chain

Results	uM	Percentile Ranking	95% Reference Interval
28 Pentadecanoic (15:0)	4.5	5.0	<= 6.2
29 Heptadecanoic (17:0)	9.3	11.1	<= 12.3
30 Nonadecanoic (19:0)	1.49 H	1.33	<= 1.57
31 Heneicosanoic (21:0)	<0.95	0.95	<= 0.95
32 Tricosanoic (23:0)	<0.93	0.93	<= 0.93

Trans

33 Palmitelaidic (16:1n7t)	<0.82	0.82	<= 0.82
34 Total C:18 Trans	24 H	23	<= 29

Ratios

35 LA/DGLA	11.9 H	11.3	<= 15.9
36 EPA/DGLA	0.6	0.3	0.2 - 3.5
37 AA/EPA	30	31	3 - 58
38 Stearic/Oleic	1.28	1.21	>= 1.08

· 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.