

Ordering Physician:

249680 - 273674

Metametrix Research Account

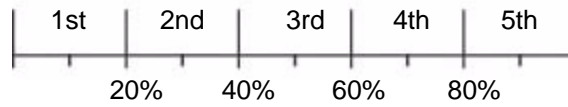
3425 Corporate Way  
 Duluth, GA 30096

**0040 Fatty Acids - Plasma**

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	Reference Interval
1 Alpha Linolenic (18:3n3)	39	22 - 144
2 Eicosapentaenoic (20:5n3)	32 L	19 - 399
3 Docosapentaenoic (22:5n3)	54	31 - 112
4 Docosahexaenoic (22:6n3)	97 L	95 - 521

**Polyunsaturated Omega-6**

Results	Percentile	Reference Interval
5 Linoleic (18:2n6)	2,219	1,305 - 3,300
6 Gamma Linolenic (18:3n6)	31.6	5.2 - 58.0
7 Eicosadienoic (20:2n6)	28	14 - 45
8 Dihomogamma Linolenic (20:3n6)	200	64 - 294
9 Arachidonic (20:4n6)	439	260 - 750
10 Docosadienoic (22:2n6)	1.9	0.9 - 3.8
11 Docosatetraenoic (22:4n6)	35	7 - 51

**Polyunsaturated Omega-9**

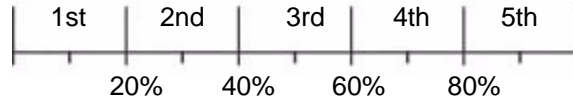
12 Mead (20:3n9)	7.6	0.5 - 13.2
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Reference  
Interval**

Monounsaturated

Results  
uM

Acid	Results (uM)	Percentile	Reference Interval
13 Myristoleic (14:1n5)	11.1 <b>H</b>	~95th	<= 11.6
14 Palmitoleic (16:1n7)	175 <b>H</b>	~95th	<= 238
15 Vaccenic (18:1n7)	105	~30th	74 - 209
16 Oleic (18:1n9)	2,081	~75th	1,079 - 2,733
17 11-Eicosenoic (20:1n9)	13.5	~40th	8.4 - 29.5
18 Erucic (22:1n9)	5.3	~70th	2.8 - 8.1
19 Nervonic (24:1n9)	88	~15th	70 - 189

Saturated

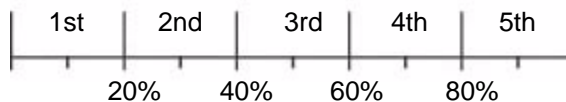
20 Capric (10:0)	5.2	~75th	1.5 - 9.8
21 Lauric (12:0)	18.3	~75th	6.0 - 41.9
22 Myristic (14:0)	98	~75th	34 - 180
23 Palmitic (16:0)	2,381	~75th	1,364 - 3,525
24 Stearic (18:0)	945	~75th	557 - 1,234
25 Arachidic (20:0)	31	~40th	22 - 57
26 Behenic (22:0)	85	~40th	53 - 157
27 Lignoceric (24:0)	56	~20th	42 - 130
28 Hexacosanoic (26:0)	< 0.62	~5th	<= 0.81

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Reference  
Interval**

Odd Chain

	Results uM			
29 Pentadecanoic (15:0)	19		29	<= 35
30 Heptadecanoic (17:0)	29		45	<= 53
31 Nonadecanoic (19:0)	4.6		5.4	<= 6.8
32 Heneicosanoic (21:0)	13.6		13.6	<= 17.6
33 Tricosanoic (23:0)	32		50	<= 65

Trans

34 Palmitelaidic (16:1n7t)	2.0		3.0	<= 5.2
35 Total C:18 Trans	109 <b>H</b>		101	<= 154

Ratios

36 LA/DGLA	11		20	8 - 32
37 EPA/DGLA	0.16 <b>L</b>	0.26		0.12 - 5.23
38 AA/EPA	13.6 <b>H</b>		11.2	0.9 - 23.7
39 Triene/Tetraene	0.017		0.018	<= 0.026

· 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.