

Ordering Physician:

Metametrix

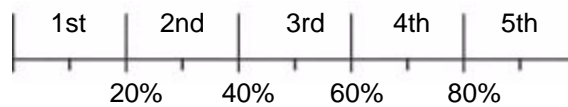
3425 Corporate Way
 Duluth, GA 30096

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 Ranking	95% Reference Interval
1 Alpha Linolenic (18:3n3) 23	20	13 - 80
2 Eicosapentaenoic (20:5n3) 25	17	5 - 210
3 Docosapentaenoic (22:5n3) 18	16	11 - 50
4 Docosahexaenoic (22:6n3) 42 L	59	31 - 213

Polyunsaturated Omega-6

5 Linoleic (18:2n6) 1,545	930 - 1,669	821 - 2,032
6 Gamma Linolenic (18:3n6) 8	7 - 33	5 - 46
7 Eicosadienoic (20:2n6) 6.2 L	6.4 - 15.3	5.2 - 22.5
8 Dihomogamma Linolenic (20:3n6) 45	34 - 102	27 - 140
9 Arachidonic (20:4n6) 475 H	201 - 451	158 - 521
10 Docosadienoic (22:2n6) <0.23	0.9	<= 2.0
11 Docosatetraenoic (22:4n6) 6.7	3.7 - 13.8	2.6 - 18.1

Polyunsaturated Omega-9

12 Mead (20:3n9) 3.2	5.3	<= 8.3
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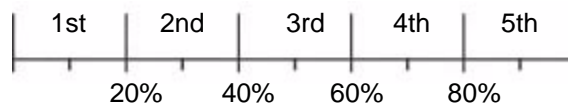
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Monounsaturated

	Results uM		
13 Myristoleic (14:1n5)	1.3	1.2 - 6.1	0.8 - 9.7
14 Palmitoleic (16:1n7)	140	40 - 155	30 - 256
15 Vaccenic (18:1n7)	66	48 - 93	40 - 122
16 Oleic (18:1n9)	1,002	555 - 1,182	466 - 1,470
17 11-Eicosenoic (20:1n9)	6.7	4.6 - 10.3	3.7 - 18.1
18 Nervonic (24:1n9)	<1.1		<= 2.4

Saturated

19 Capric (10:0)	1.8	1.4 - 4.0	0.7 - 6.2
20 Lauric (12:0)	6.1	3.3 - 14.5	2.2 - 27.3
21 Myristic (14:0)	41	20 - 87	15 - 139
22 Palmitic (16:0)	1,654	792 - 1,794	667 - 2,526
23 Stearic (18:0)	421	294 - 511	250 - 629
24 Arachidic (20:0)	1.7	1.5 - 3.2	1.3 - 4.7
25 Behenic (22:0)	1.0	0.8 - 2.0	0.6 - 2.9
26 Lignoceric (24:0)	0.94	0.84 - 1.66	0.63 - 2.45
27 Hexacosanoic (26:0)	<0.27		<= 0.43

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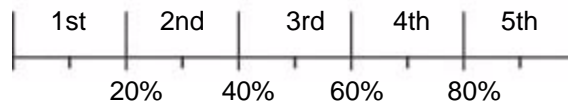
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**95%
Reference
Interval**

Odd Chain

Results	uM	Percentile	95% Reference Interval
28 Pentadecanoic (15:0)	8.8	14.5	<= 20.6
29 Heptadecanoic (17:0)	8.8	19.3	<= 24.4
30 Nonadecanoic (19:0)	<0.86	1.51	<= 1.89
31 Heneicosanoic (21:0)	0.53 H	0.50	<= 0.74
32 Tricosanoic (23:0)	0.50	0.62	<= 0.78

Trans

33 Palmitelaidic (16:1n7t)	1.5 H	0.4	<= 1.8
34 Total C:18 Trans	45 H	42	<= 59

Ratios

35 LA/DGLA	34 H	30	11 - 46
36 EPA/DGLA	0.56	0.24	0.07 - 5.98
37 AA/EPA	19	20	1 - 57
38 Triene/Tetraene	0.007	0.016	<= 0.023

· 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.