

Supplemental Table 1A. Free (non-esterified) fatty acid composition of human plasma. A total of 31 fatty acids were included in the GC/MS screen. All measurements were performed in triplicate.

Common Name	Chain Length ¹	Mean (nmol/ml)	SEM (nmol/ml)	Mean (µg/dl)	SEM (µg/dl)
Lauric acid	12:0	0.719	0.029	14.4	0.6
Myristic acid	14:0	6.06	0.069	138	2
Pentadecanoic acid	15:0	0.653	0.004	15.8	0.1
Palmitic acid	16:0	63.8	0.400	1634	10
cis-9-palmitoleic acid	16:1	14.7	0.169	372	4
Margaric acid	17:0	1.20	0.003	32.3	0.1
10Z-heptadecenoic acid	17:1	1.03	0.057	27.7	1.5
Stearic acid	18:0	22.1	0.035	628	1
Oleic acid	18:1	80.3	9.331	2267	263
Linoleic acid	18:2	15.2	0.437	427	12
α-linolenic acid	18:3(ω-3)	0.115	0.004	3.20	0.11
γ-Linolenic acid	18:3(ω-6)	1.03	0.005	28.7	0.1
Stearidonic acid	18:4	0.016	0.001	0.44	0.03
Arachidic acid	20:0	0.238	0.002	7.43	0.06
11,14-eicosadienoic acid	20:2	0.352	0.029	10.9	0.9
11,14,17-eicosatrienoic acid	20:3 (ω-3)	0.341	0.016	10.4	0.5
Bishomo-γ-linolenic acid	20:3 (ω-6)	0.542	0.005	16.6	0.2
5,8,11-eicosatrienoic acid	20:3 (ω-9)	0.095	0.012	2.91	0.37
Arachidonic acid	20:4	2.94	0.058	89.4	1.8
5,8,11,14,17-eicosapentaenoic acid	20:5	0.435	0.010	13.1	0.3
Behenic acid	22:0	0.160	0.007	5.45	0.24
cis-erucic acid	22:1	0.028	0.002	0.95	0.07
13,16-docosadienoic acid	22:2	0.011	0.001	0.37	0.03
13,16,19-docosatrienoic acid	22:3	0.004	0.001	0.13	0.03
7Z,10Z,13Z,16Z-docosatetraenoic acid	22:4	0.364	0.005	12.1	0.2
7,10,13,16,19-docosapentaenoic acid	22:5	0.400	0.005	13.2	0.2
4,7,10,13,16,19-docosahexaenoic acid	22:6	0.990	0.009	32.5	0.3
Tricosanoic acid	23:0	0.033	0.004	1.17	0.14
Lignoceric acid	24:0	0.262	0.014	9.65	0.52
cis-selacholeic acid	24:1	0.070	0.006	2.56	0.22
Cerotic acid	26:0	0.110	0.006	4.36	0.24

¹ The chain length denotes the number of carbons followed by the number of double bonds