

Supplemental Table-1: Diet fatty acid profiles.

	Low fat w/ Lard/Soybean 10 kcal% Fat	High Fat w/ Lard/Soybean 41 kcal% Fat	Low Fat w/ Menhaden 10 kcal% Fat	High Fat w/ Menhaden 41 kcal% Fat
Product#	D12450H	D15071701	D15071702	D15071703
Ingredient	<i>gm</i>	<i>gm</i>	<i>gm</i>	<i>gm</i>
Lard	20	160	0	0
Menhaden Oil, ARBP-F	0	0	20	160
Soybean Oil	25	25	25	25
Total	45	185	45	185
C2, Acetic	0.0	0.0	0.0	0.0
C4, Butyric	0.0	0.0	0.0	0.0
C6, Caproic	0.0	0.0	0.0	0.0
C8, Caprylic	0.0	0.0	0.0	0.0
C10, Capric	0.0	0.1	0.0	0.0
C12, Lauric	0.0	0.1	0.0	0.0
C14, Myristic	0.3	1.9	1.4	11.1
C14:1, Myristoleic	0.0	0.0	0.0	0.0
C15	0.0	0.1	0.1	0.1
C16, Palmitic	6.4	33.5	5.5	26.3
C16:1, Palmitoleic	0.3	2.2	2.0	15.6
C16:2	0.0	0.0	0.3	2.6
C16:3	0.0	0.0	0.3	2.4
C16:4	0.0	0.0	0.3	2.4
C17	0.1	0.6	0.1	0.6
C18, Stearic	3.1	17.9	1.5	5.1
C18:1, Oleic	12.3	58.3	7.7	21.1
C18:2, Linoleic	17.8	52.0	13.3	16.0
C18:3, Linolenic	2.1	4.0	2.2	4.3
C18:4, Stearidonic	0.0	0.0	0.6	5.0
C20, Arachidic	0.1	0.3	0.1	0.4
C20:1,	0.2	1.1	0.4	2.5
C20:2	0.2	1.3	0.0	0.3
C20:3	0.0	0.2	0.1	0.6
C20:4, Arachidonic	0.1	0.5	0.4	3.4
C20:5, Eicosapentaenoic	0.0	0.0	2.8	22.7
C21:5	0.0	0.0	0.2	1.2
C22, Behenic	0.1	0.1	0.1	0.2
C22:1, Erucic	0.0	0.0	0.1	0.5
C22:4, Clupanodonic	0.0	0.0	0.0	0.3
C22:5, Docosapentaenoic	0.0	0.1	0.6	4.5
C22:6, Docosahexaenoic	0.0	0.0	2.1	16.4
C24, Lignoceric	0.0	0.0	0.2	1.0
C24:1	0.0	0.0	0.0	0.3
Total	43.1	174.3	42.3	167.5
Saturated (g)	10.1	54.7	9.0	45.4
Monounsaturated (g)	12.8	61.6	10.1	40.0
Polyunsaturated (g)	20.2	58.0	23.2	82.1
Saturated (%)	23.5	31.4	21.2	27.1
Monounsaturated (%)	29.7	35.3	23.9	23.9
Polyunsaturated (%)	46.8	33.3	54.9	49.0
Linoleic Acid (%)	41.3	29.8	31.5	9.5
Oleic Acid (%)	28.6	33.5	18.1	12.6
Alpha-linolenic acid (%)	4.9	2.3	5.1	2.5
Eicosapentaenoic Acid (%)	0.0	0.0	6.7	13.6
Docosahexaenoic Acid (%)	0.0	0.0	4.9	9.8
Total Omega-3 (%)	4.9	2.4	19.4	31.5