

Major fatty acids	MDA-MB-231		MCF-7		MCF-7dox	
	Ctrl	DHA 30 μ M	Ctrl	DHA 30 μ M	Ctrl	DHA 30 μ M
16:0	20.0 \pm 2.1	20.8 \pm 1.9	22.3 \pm 3.9	21.8 \pm 1.8	27.5 \pm 2.0	29.8 \pm 2.6
18:0	18.8 \pm 2.3	21.3 \pm 2.6	11.4 \pm 1.9	11.6 \pm 1.1	13.2 \pm 0.6	14.1 \pm 0.8
Total saturates	45.7 \pm 1.6	49.9 \pm 1.3	40.2 \pm 5.2	40.4 \pm 3.2	47.8 \pm 2.4	51.2 \pm 3.4
18:1	32.0 \pm 4.6	25.1 \pm 4.7	33.7 \pm 3.1	30.7 \pm 2.4	30.0 \pm 0.5	25.7 \pm 3.3
Total monoenoic acids	36.7 \pm 5.4	28.9 \pm 5.2	46.8 \pm 7.6	45.7 \pm 3.4	36.4 \pm 0.6	31.1 \pm 3.8
18:2n-6	2.4 \pm 0.9	2.8 \pm 0.7	2.6 \pm 0.7	2.8 \pm 0.3	3.6 \pm 0.1	3.5 \pm 0.1
20:4n-6	4.9 \pm 1.4	4.4 \pm 1.5	3.8 \pm 1.0	3.4 \pm 0.4	4.8 \pm 0.4	4.5 \pm 0.2
22:4n-6	0.7 \pm 0.1	0.4 \pm 0.1	0.3 \pm 0.2	0.2 \pm 0.1	0.6 \pm 0.1	0.6 \pm 0.1
Total n-6 PUFA	11.9 \pm 1.9	10.0 \pm 2.3	8.9 \pm 1.9	8.3 \pm 0.6	11.1 \pm 0.6	10.4 \pm 0.2
20:5n-3	0.9 \pm 0.3	2.4 \pm 1.0	0.7 \pm 0.6	1.2 \pm 0.2	0.3 \pm 0.1	0.4 \pm 0.1
22:5n-3	1.9 \pm 0.8	1.9 \pm 0.6	0.6 \pm 0.1	0.5 \pm 0.1	0.5 \pm 0.2	0.5 \pm 0.2
22:6n-3	2.6 \pm 0.8	6.7 \pm 1.5	2.6 \pm 0.7	3.7 \pm 0.4	3.6 \pm 1.1	6.1 \pm 0.5
Total n-3 PUFA	5.7 \pm 2.0	11.2 \pm 3.3	4.2 \pm 1.1	5.6 \pm 0.7	4.7 \pm 1.5	7.2 \pm 0.3

Table 1. Membrane phospholipids fatty acid classes (mol %) for the three cell lines grown during 7 days in media no supplemented with DHA (Control condition : 0.02% ethanol) or supplemented with DHA 30 μ M. Total saturates includes 15:0, 16:0, 17:0, 18:0 and 20:0; total monounsaturates includes 16:1, 17:1, 18:1 and 20:1; total ω 6-PUFA includes 18:2, 18:3, 20:4, 22:4 ω 6 and total ω 3 PUFA includes 18:3, 20:5, 22:5 and 22:6 ω 3. Results are means \pm SD of 3 determinations. Comparison between Control and DHA 30 μ M by unpaired *t* test: significant * *p* < 0.05, ** *p* < 0.01.