

Table 1. Fatty acid concentrations in EAHy926 cells after 48 hours of incubation with DMEM (Control) or 50 uM of palmitic acid (PA), oleic acid (OA) or palmitoleic acid (POA).

Fatty acid (ug/10 ⁶ cells)	Control (N=6)	PA (N=5)	OA (N=5)	POA (N=5)
	Mean ± SD	Mean ± SD	Mean ± SD	Mean ± SD
14:0	0.230 ± 0.054	0.187 ± 0.04	0.189 ± 0.028	0.169 ± 0.058
16:0	3.069 ± 0.356 ^b	4.26 ± 0.065 ^{a c d}	3.417 ± 0.539 ^b	3.145 ± 0.815 ^b
16:1n-7	0.181 ± 0.033 ^d	0.255 ± 0.039 ^d	0.168 ± 0.029 ^d	1.832 ± 0.297 ^{a b c}
18:0	3.113 ± 0.48 ^b	4.192 ± 0.166 ^{a c d}	3.136 ± 0.419 ^b	2.863 ± 0.492 ^b
18:1n-9	2.332 ± 0.5 ^c	1.158 ± 0.24 ^c	7.664 ± 1.594 ^{a b d}	2.156 ± 0.545 ^c
18:1n-7	0.884 ± 0.157 ^d	1.158 ± 0.128 ^d	1.095 ± 0.215 ^d	3.654 ± 0.557 ^{a b c}
18:2n-6	0.344 ± 0.056	0.503 ± 0.045	0.403 ± 0.035	0.346 ± 0.092
18:3n-6	0.042 ± 0.014	0.042 ± 0.019	0.039 ± 0.018	0.047 ± 0.015
20:0	0.115 ± 0.060	0.112 ± 0.02	0.062 ± 0.004	0.071 ± 0.013
20:1n-9	0.087 ± 0.013	0.114 ± 0.027	0.225 ± 0.132	0.266 ± 0.053
20:2n-6	0.053 ± 0.011	0.062 ± 0.001	0.040 ± 0.023	0.033 ± 0.007
20:3n-6	0.146 ± 0.027	0.21 ± 0.018	0.107 ± 0.015	0.115 ± 0.029
20:4n-6	0.833 ± 0.181 ^b	1.337 ± 0.19 ^{a c d}	0.899 ± 0.165 ^b	0.930 ± 0.188 ^b
20:4n-3	0.127 ± 0.037	0.514 ± 0.888	0.272 ± 0.265	0.324 ± 0.419
20:5n-3	0.112 ± 0.044	0.198 ± 0.018	0.115 ± 0.045	0.125 ± 0.034
22:5n-3	0.594 ± 0.104 ^b	0.941 ± 0.127 ^a	0.751 ± 0.128	0.733 ± 0.102
22:6n-3	0.725 ± 0.180 ^b	1.150 ± 0.147 ^{a c d}	0.817 ± 0.122 ^b	0.838 ± 0.183 ^b
Total	12.883 ± 1.479	18.477 ± 0.235	19.406 ± 2.339	17.635 ± 2.818
Saturated	6.53 ± 0.806 ^b	8.77 ± 0.161 ^{a c d}	6.805 ± 0.879 ^b	6.250 ± 1.334 ^b
PUFA	2.908 ± 0.635 ^b	4.946 ± 0.334 ^{a c d}	3.446 ± 0.254 ^b	3.479 ± 0.572 ^b
Omega-3	1.516 ± 0.351 ^b	2.804 ± 0.616 ^a	1.957 ± 0.056	2.022 ± 0.422
Omega-6	1.393 ± 0.290	2.142 ± 0.291	1.490 ± 0.239	1.457 ± 0.341
Ratio omega-3/omega-6	1.087 ± 0.070	1.371 ± 0.740	1.345 ± 0.334	1.448 ± 0.640
MUFA	3.444 ± 0.679 ^{b c d}	4.824 ± 0.352 ^{a c d}	9.153 ± 1.784 ^{a b d}	7.906 ± 1.190 ^{a b c}
Omega-7	1.025 ± 0.182 ^d	1.413 ± 0.102 ^d	1.263 ± 0.243 ^d	5.485 ± 0.842 ^{a b c}
Omega-9	2.419 ± 0.498 ^c	3.411 ± 0.257 ^c	7.889 ± 1.700 ^{a b d}	2.420 ± 0.584 ^c

Statistical analysis by ANOVA with Bonferroni post-hoc test. ^ap<0.05 vs. Control; ^bp<0.05 vs. PA; ^cp<0.05 vs. OA; ^dp<0.05 vs. POA.