

**Supplemental Table 2. Carnitine and acylcarnitine levels (nmol/25 cm<sup>2</sup> flask) in cell lysates**

	mean			sem		
	basal	palmitate	palmitate + e	basal	palmitate	palmitate + e
total_carnitine	16.933	17.393	14.926	2.801	3.854	1.553
free_carnitine	14.149	14.666	12.440	2.332	3.407	0.966
butyrobetaine	0.018	0.016	0.015	0.004	0.003	0.002
acetylcarnitine	1.468	1.430	1.233	0.327	0.253	0.262
propionylcarnitine	0.683	0.411	0.387	0.159	0.081	0.077
butyrylcarnitine	0.031	0.275	0.249	0.013	0.124	0.113
isobutyrylcarnitine	0.077	0.049	0.044	0.030	0.018	0.018
R-3-hydroxy-butyrylcarnitine	0.003	0.006	0.005	0.001	0.002	0.002
S-3-hydroxy-butyrylcarnitine	0.006	0.021	0.019	0.002	0.004	0.004
valerylcarnitine	0.001	0.001	0.001	0.000	0.000	0.000
isovalerylcarnitine	0.035	0.026	0.024	0.007	0.005	0.005
3-hydroxy-isovalerylcarnitine	0.029	0.013	0.011	0.002	0.003	0.002
2-methyl-butyrylcarnitine	0.359	0.233	0.216	0.058	0.037	0.036
tigloylcarnitine	0.006	0.004	0.003	0.001	0.001	0.001
3-methyl-crotonylcarnitine	0.001	0.000	0.000	0.000	0.000	0.000
hexanoylcarnitine	0.001	0.020	0.016	0.000	0.006	0.005
R-3-hydroxy-hexanoylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
S-3-hydroxy-hexanoylcarnitine	0.000	0.001	0.001	0.000	0.000	0.000
phenylacetylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
phenylpropionylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
4-phenyl-butyrylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
benzoylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
4-methyl-hexanoylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
octanoylcarnitine	0.000	0.004	0.003	0.000	0.001	0.001
R-3-hydroxy-octanoylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
S-3-hydroxy-octanoylcarnitine	0.000	0.002	0.002	0.000	0.000	0.000
branched-chain C8	0.000	0.000	0.000	0.000	0.000	0.000
cis-3,4-methylene-heptanoylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
4-methyl-octanoylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
2,6-dimethyl-heptanoylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
decanoylcarnitine	0.000	0.005	0.004	0.000	0.001	0.001
cis-4-decenoylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
cis-3,4-methylene-nonanoylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
R-3-hydroxy-decanoylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
S-3-hydroxy-decanoylcarnitine	0.000	0.001	0.001	0.000	0.000	0.000
5-decynoylcarnitine	0.000	0.000	0.000	0.000	0.000	0.000
lauroylcarnitine	0.000	0.007	0.006	0.000	0.001	0.001