

Figure 5. HUVEC cellular iron uptake

Exposure: 4hr 100uM fatty acid (FA) or vehicle control, then 1hr 200um FAC (ferric ammoni

Cellular [FAC] (ppm)

	OA-EtOH			2-OH OA (Na+)		
	mean	SD	n	mean	SD	n
Control	0.166	0.026	11	0.162	0.026	9
FA	0.153	0.012	12	0.152	0.012	9
FAC	0.373	0.118	12	0.340	0.092	9
FA, FAC	0.414	0.136	11	0.414	0.101	9

Percent increased iron uptake of FA/FAC groups from control/FAC HUVEC

	OA-EtOH	2-OH OA (Na+)	12-OH OA-EtOH
n	4	3	4
Mean	14.7	28.7	38.6
SD	5.5	9.5	11.8
SE	2.7	5.5	5.9

HUVEC= human umbilical vein endothelial cells

OA= oleic acid

methyl-OA= methylated oleic acid

12-OH OA= 12-hydroxy oleic acid

2-OH OA= 2-hydroxy oleic acid

μM micromolar

SD= standard deviation

n= number of independent experiments

SE= standard error

um citrate) or control

12-OH OA-EtOH		
mean	SD	n
0.168	0.022	12
0.164	0.020	12
0.389	0.096	12
0.479	0.106	12