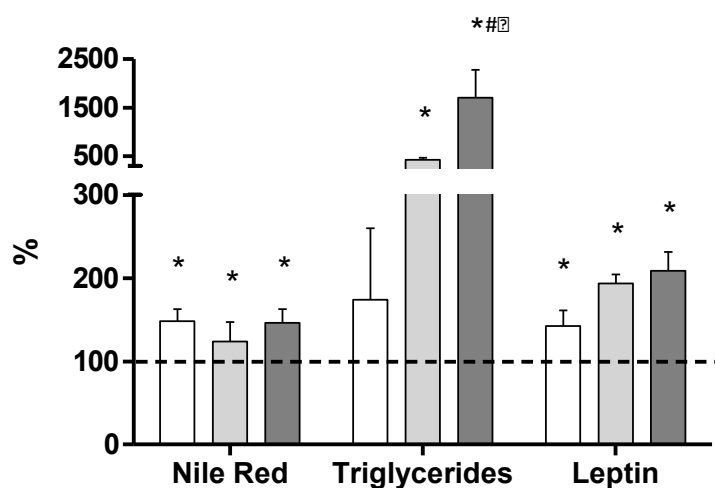


Supplementary Figure 1. Effects of glucose concentration in the culture medium. A) Glucose concentration in culture medium of osteosarcoma 143B cells. Black and white circles indicate 25 and 5 mM glucose, respectively. B) Mitochondrial enzymes specific activities (s.a.) and levels (q). White and grey bars represent 5 and 0 mM glucose, respectively. Dot line represents the value of these variables at 25 mM glucose. \*,  $P \leq 0.0276$  (vs 25 mM glucose). #,  $P = 0.0014$  (vs 5 mM glucose).



Supplementary Figure 2. Response to TBTC of adipogenic parameters from hASCs grown in MesenPRO culture medium. Dot line represents levels in untreated hASCs. White, light and dark grey code for 16 nM OLI-, 20 nM TBTC - and 100 nM TBTC-treated hASCs, respectively. \*,  $P \leq 0.0427$ . #,  $P = 0.0184$  (vs 20 nM TBTC). These results are essentially the same than those obtained from hASCs grown in DMEM culture medium (Figure 7E).