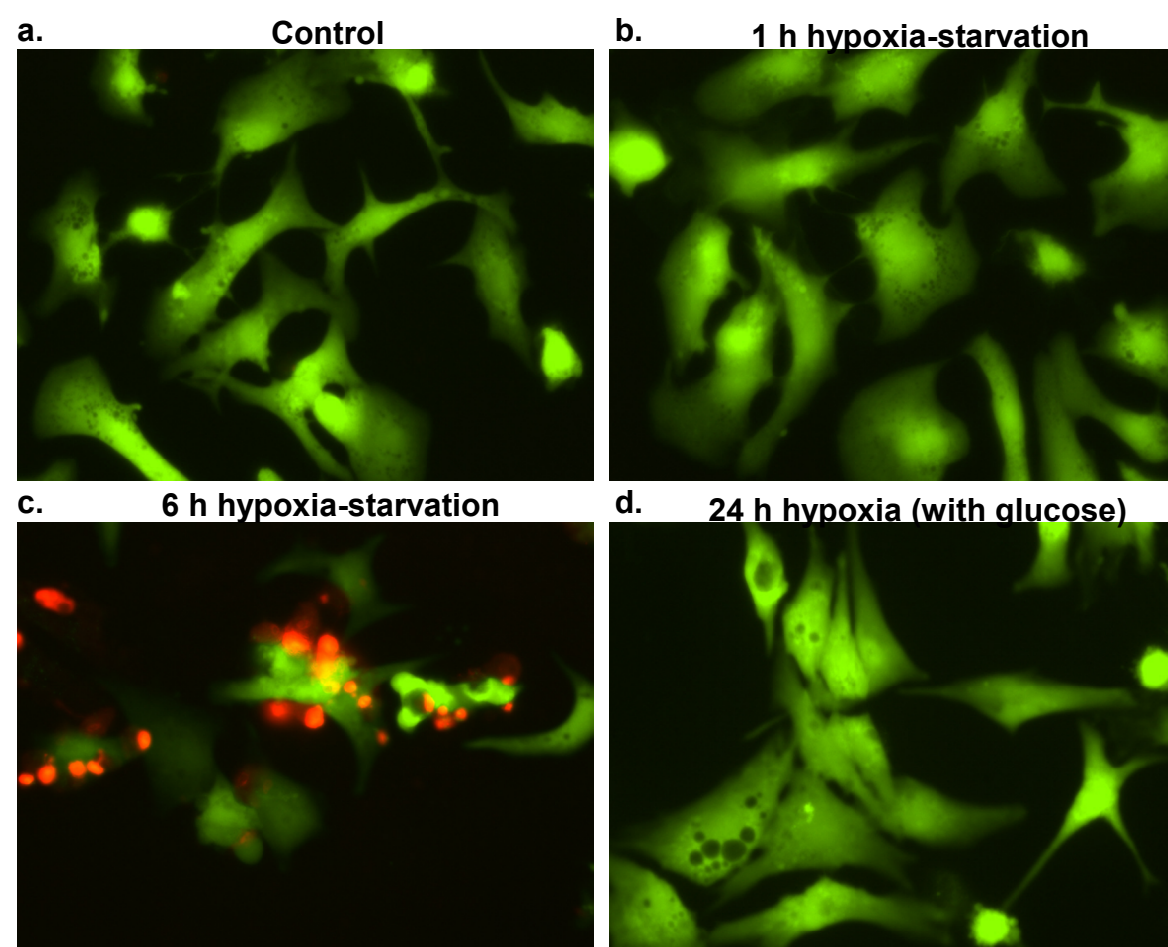


**Figure 1S. Effect of 24 hypoxia/reoxygenation on cell number, and the effect of cell number on OCR measurements. a.** Cells were subjected to hypoxia in the presence or absence of 1 mM DCA or 500  $\mu$ M AICAR, as indicated, in the presence of glucose, for 24 h. Following this period the cells were incubated for an additional 24 h in normoxic conditions before DNA was extracted and quantified by qPCR using Gapdh. **b.** Cardiac myocytes were plated at 90,000 and 45,000 cells/per well and OCR (upper panel) and ECAR (middle panel) was measured by the Seahorse analyzer. The lower panel shows the results for OCR from the upper panel plotted as % of basal values.



**Figure 2S. The effect of hypoxia on cardiac myocyte viability.** Cardiac myocytes were **a.** maintained in atmospheric  $O_2$ , or were exposed to either **b.** 1 h  $<1\%$   $O_2$  with no glucose, **c.** 6 h  $O_2$  with no glucose, or **d.** 24 h hypoxia in the presence of glucose. Cells were then removed from the hypoxia chamber and were reoxygenated for 30 min-1 h before they were fixed and assayed for live (green) and dead (red nuclei) cells.