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Low oxygen tension primes aortic endothelial cells to the reparative effect of tissue-protective cytokines

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Supplemental Data

Low Oxygen Tension Primes Aortic Endothelial Cells to the Reparative Effect of Tissue-Protective Cytokines

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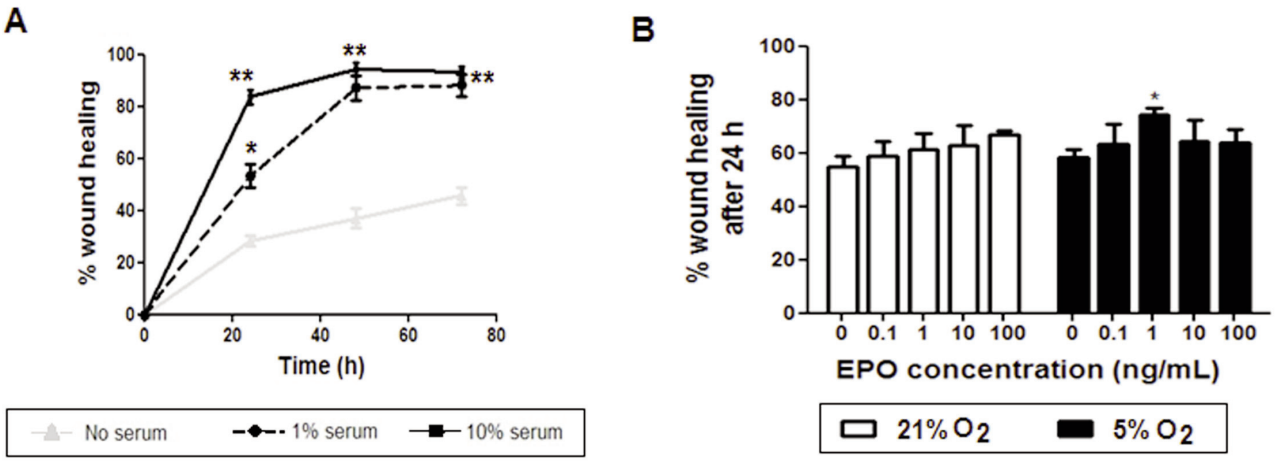
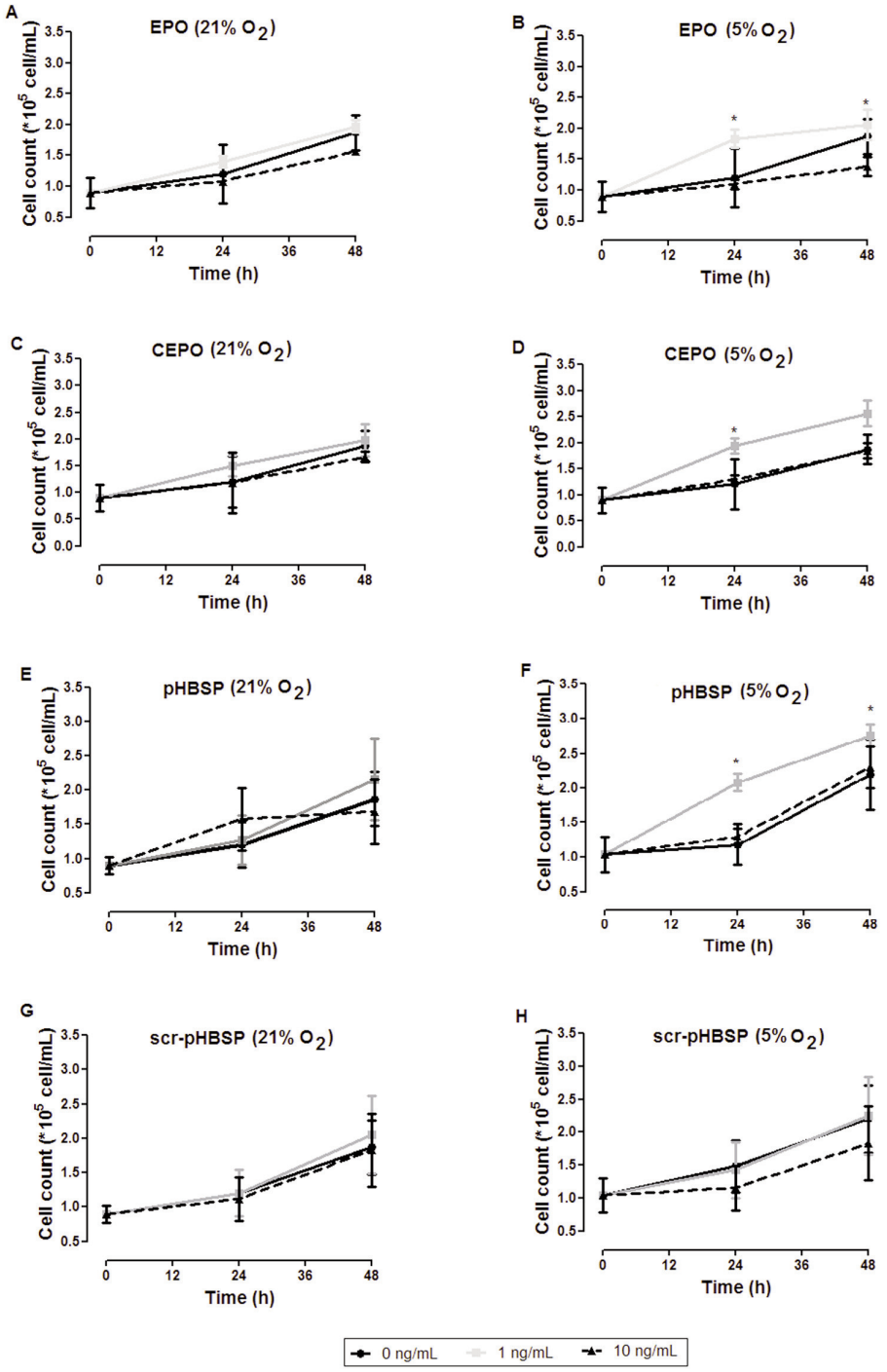


Supplementary Figure S1. Effect of EPO on wound closure in BAECs is optimum at a concentration of 1 ng/ml and after 24 h incubation. Scratch assay model conditions were optimised using different serum concentration (0,1 and 10%) (A) and different EPO concentration (0-100 ng/mL) (B) under 21% or 5% oxygen. Each data point represent mean ± SEM (n=4), *p<0.05, **p<0.01.



Supplementary Figure S2. A low oxygen tension induces the effect of EPO and its tissue-protective analogues on BAEC proliferation. BAECs were treated with EPO, CEPO, pHBSP and scr-pHBSP at different concentrations (0, 1 and 10 ng/mL) then incubated under 21% oxygen (left panel) or acute exposure to 5% oxygen (right panel) for 24 h. The effect of EPO (A, B), CEPO (C,D), pHBSP (E,F) and scr-pHBSP (G,H) on BAEC proliferation was analysed by MTT cell viability method. Each data point represent mean ± SEM (n=3), *p<0.05 and **p<0.01.