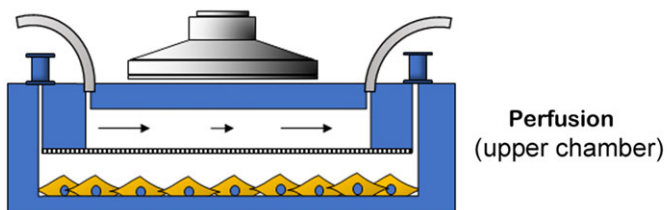


A Schematic of experimental design



Cells treated with Estradiol (E) plus medroxyprogesterone acetate (P) in lower chamber.

B Perfusion-enhanced decidualization in co-culture vs stromal culture

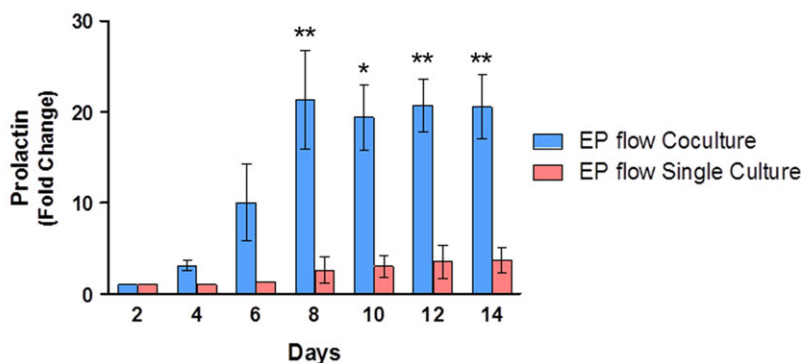


Figure S1 Perfusion enhanced decidualization is mediated by the endothelial vascular cells. Endometrial stromal cell decidualization, as determined by prolactin secretion, was observed to be significantly enhanced in the co-culture model with UtMVEC compared to stromal cell single culture perfused with an empty endothelial chamber. ($N = 3$) P values, * <0.05 ; ** <0.01 ; *** <0.001 .