Fig. S1. EC proliferation is modulated by stiffnesses of hydrogels in a graded manner. (A) Young’s moduli of hydrogels. The Young’s modulus of the hydrogels with differential composition of acrylamide and Bis were measured by AFM (N=3). (B) Flow cytometric cell cycle analysis of cells in active DNA synthesizing S phase. This bar graph demonstrated the results of cells in S phase from the BrdU incorporation assay. EC cell cycle analysis derived from flow cytometry data. Cells seeded on glass show the highest percentage of cells in S-phase, while the lowest percentage is present in cells seeded on the softest hydrogel, 1.72kPa. * P < 0.05 when compared to hydrogel 5/0.05. # P < 0.05 when compared to glass. Error bars represent SEM.