Supplemental figures



Fig. S.1 The simulation results for fluid streamlines in the microfluidic device obtained from finite element software, COMSOL.



Fig. S.2 The concentration evolution of FITC-Dextran with a similar molecular weight as VEGF inside the cell culture chamber.



Fig. S.3 The comparison of HUVEC viability in standard petri dish, microfluidic device with flow and microfluidic device without flow. n = 3



Fig. S.4 The net change in the number of HUVEC in each zone before and after 6 hr in the absence of VEGF concentration gradient. n = 3