Supporting Information for

Vascular lumen simulation and highly-sensitive nitric oxide detection using three-dimensional gelatin chip coupled to TiC/C nanowire arrays microelectrode

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This file includes:

Figure S1, Figure S2

Other Supporting Online Material for this manuscript includes the following:

Movie S1

Movie S2

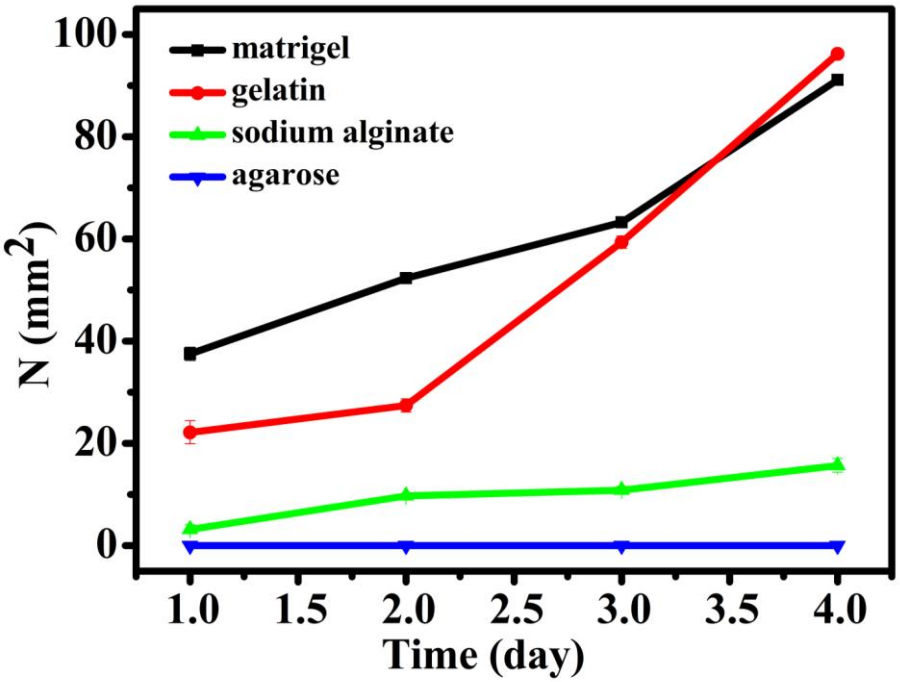

Fig. S1 The adherence and proliferation of Endothelial cells on different hydrogel surfaces after culturing 4 days under static conditions

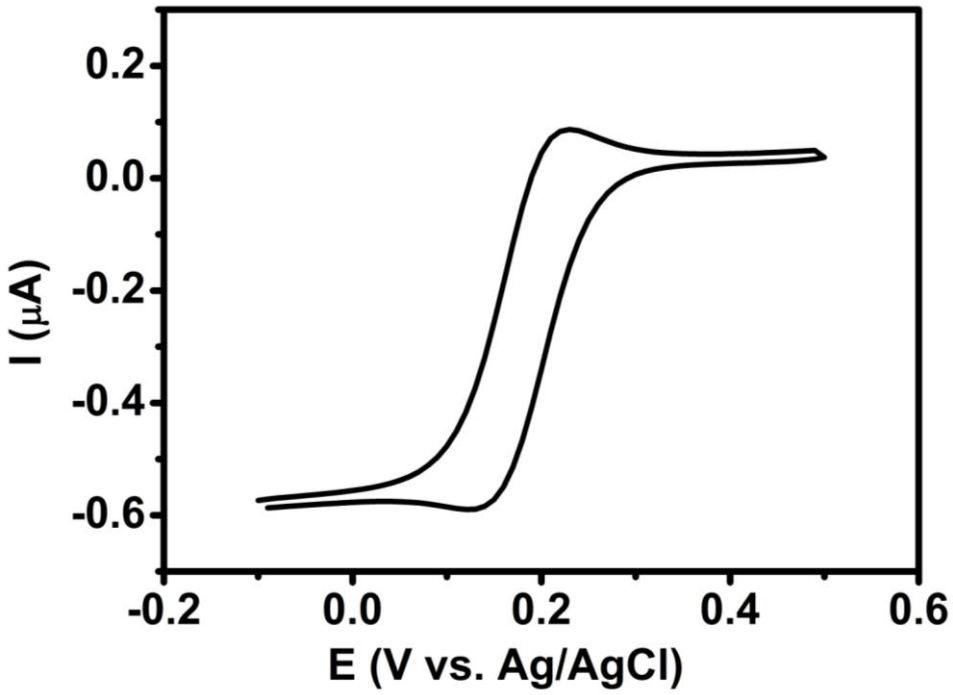

Fig. S2 Cyclic Voltammograms obtained at the TiC/C NW arrays microelectrode for (A) 1 mM $K_3[Fe(CN)_6]$ in 0.1 M KCl aqueous solution at a scan rate of 100 mV/s.

Electronic Supplementary Material (ESI) for Lab on a Chip

Movie S1 Proliferation of Endothelial cells at the different layer positions of lining of a circular gelatin lumen cultured after 5 days under static conditions obtaining from Z-stack model, labeled with calcein-AM and PI.

Movie S2 ECs cultured in gelatin lumen under pulsatile flow conditions during 20 h (frequency 1 Hz, flow rate 1.3 mL/min)