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Non-swelling Hydrogel-based Microfluidic Chips

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Figure S1 Synthesis procedure for di-acrylated F127.

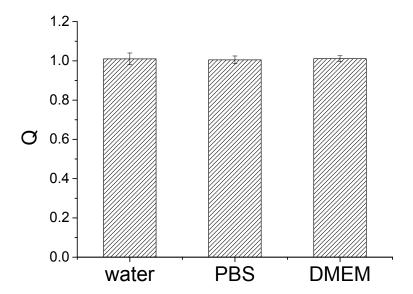


Figure S2 Swelling factors of F127-DA hydrogel (10 wt%) in water, PBS and DMEM medium at 37°C.



Figure S3 F127-DA hydrogel at twisted shape.

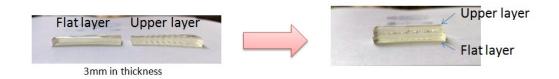


Figure S4 Assembly of hydrogel microfluidic by flat layer and upper layer.

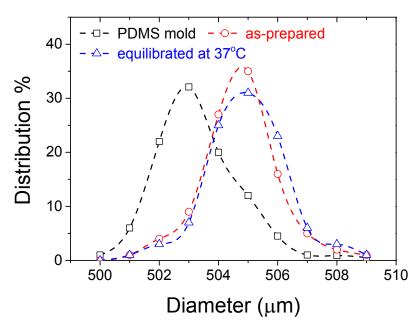


Figure S5 Distribution of channel diameters of PDMS mold and hydrogel chips.

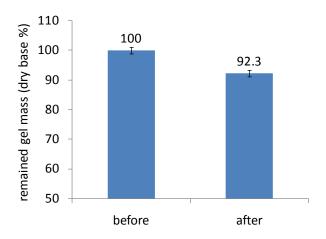


Figure S6 Degradation of hydrogel after autoclaving.

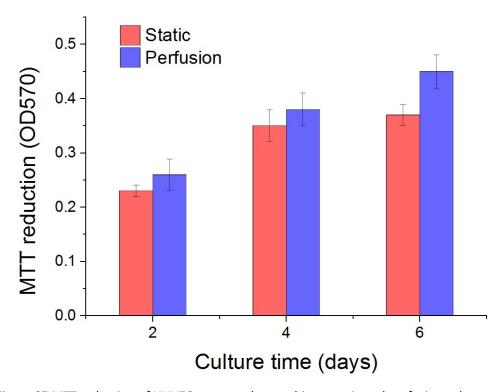


Figure S7 MTT reduction of HUVECs on vessel-on-a-chip at static and perfusion culture.