Electronic Supplementary Information

Simple Multi-level Microchannel Fabrication by Pseudo-Grayscale Backside Diffused **Light Lithography**

David Lai,^{*a,b*} Joseph M. Labuz,^{*a*} Jiwon Kim,^{*b,c*} Gary D. Luker,^{*a,d,e*} Ariella Shikanov,^{*a,b,c*} and Shuichi Takayama^{*a,b,c,f**} ^{*a*} Department of Biomedical Engineering, University of Michigan, Ann Arbor, MI, USA

^b Reproductive Sciences Program, University of Michigan, Ann Arbor, MI, USA

^c Department of Macromolecular Science and Engineering, University of Michigan, Ann Arbor, MI, USA

^d Department of Radiology, University of Michigan, Ann Arbor, MI, USA

^e Department of Microbiology and Immunology, University of Michigan, Ann Arbor, MI, USA

^f Division of Nano-Bio and Chemical Engineering WCU Project, UNIST, Ulsan, Republic of Korea; E-mail: takayama@umich.edu

* To whom correspondance should be addressed.



Fig. S1 SEM image of a 24 µm tall channel using unspun SU-8 at 8.16% transparent and 225s of UV exposure. Scale Bar: 20 µm