Supporting Information

Tubular inversed opal scaffolds for biomimetic vessels

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Supporting Figures:



Figure S1. (a) Photo image and (b) characteristic reflection peaks of the five kinds of tubular polystyrene inverse opals.



Figure S2. Schematic of the rotating expansion. two steel bars were inserted into the tubular polystyrene inverse opal to slowly and evenly enlarge the diameter with rotation. The arrows indicate the direction of rotation.



Figure S3. SEM images of cross-section of different expanded tubular scaffolds: (a) 2 times expansion; (b) 4 times expansion; (c) 6 times expansion. Scale bars are 1 μ m.



Figure S4. SEM images of A7r5 cells cultured on outer surface of different expanded tubular inverse opals: (a) unexpanded; (b) 2 times expansion; (c) 4 times expansion, and (d) 6 times expansion. (e, f, g, h) Magnification images of the cells in a, b, c, and d, respectively. Scale bars for a-d and e-h are 100 μ m and 25 μ m respectively. Double sided arrows indicate the circumferential direction.