Supplementary Information

Synthesis of Bioactive Microcapsules Using a Microfluidic Device. Sensors 2012, 12, 10136–10147

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Figure S1. (A) Schematic illustration of microfluidic device and its dimensions; (B) Photograph of microfluidic device.

Dimensions
W1=180 μm, W2=280 μm, W3=50 μm, W4=580 μm, Channel Height=100 μm
Figure S2. Photomicrographs showing the droplets of different sizes at the fixed DP (1 μL/min) with five different flow rates of CP. (A) $Q_{CP1} = 1$ μL/min; (B) $Q_{CP2} = 2$ μL/min; (C) $Q_{CP3} = 3$ μL/min; (D) $Q_{CP4} = 4$ μL/min; (E) $Q_{CP5} = 5$ μL/min. All scale bars are 500 μm.
**Figure S3.** Photomicrographs showing the droplets of different sizes at the fixed DP (2 μL/min) with five different flow rates of CP. (A) $Q_{CP1} = 1 \mu$L/min; (B) $Q_{CP2} = 2 \mu$L/min; (C) $Q_{CP3} = 3 \mu$L/min; (D) $Q_{CP4} = 4 \mu$L/min; (E) $Q_{CP5} = 5 \mu$L/min. All scale bars are 500 μm.
Figure S4. Photomicrographs showing the droplets of different sizes at the fixed DP (3 μL/min) with five different flow rates of CP. (A) $Q_{CP1} = 1$ μL/min; (B) $Q_{CP2} = 2$ μL/min; (C) $Q_{CP3} = 3$ μL/min; (D) $Q_{CP4} = 4$ μL/min; (E) $Q_{CP5} = 5$ μL/min. All scale bars are 500 μm.
Figure S5. Photomicrographs showing the droplets of different sizes at the fixed DP (4 μL/min) with five different flow rates of CP. (A) $Q_{\text{CP1}} = 1$ μL/min; (B) $Q_{\text{CP2}} = 2$ μL/min; (C) $Q_{\text{CP3}} = 3$ μL/min; (D) $Q_{\text{CP4}} = 4$ μL/min; (E) $Q_{\text{CP5}} = 5$ μL/min. All scale bars are 500 μm.