Supplementary Material (ESI) for Soft Matter

Supporting Information

Monodisperse Core-shell Chitosan Microcapsules for pH-responsive Burst Release of Hydrophobic Drugs

Li Liu[a], Jian-Ping Yang[a], Xiao-Jie Ju[a], Rui Xie[a], Ying-Mei Liu[a], Wei Wang[a], Jin-Jin Zhang[a], Catherine Hui Niu[b] and Liang-Yin Chu[a,*]

[a]*School of Chemical Engineering, Sichuan University, Chengdu, Sichuan, China. Tel: +86 28 8546 0682; E-mail: chuly@scu.edu.cn*
[b]*Department of Chemical Engineering, University of Saskatchewan, 57 Campus Drive, Saskatoon, SK S7N 5A9 Canada.*

***Move S1*.** The acid-triggered burst release process of chitosan microcapsules.

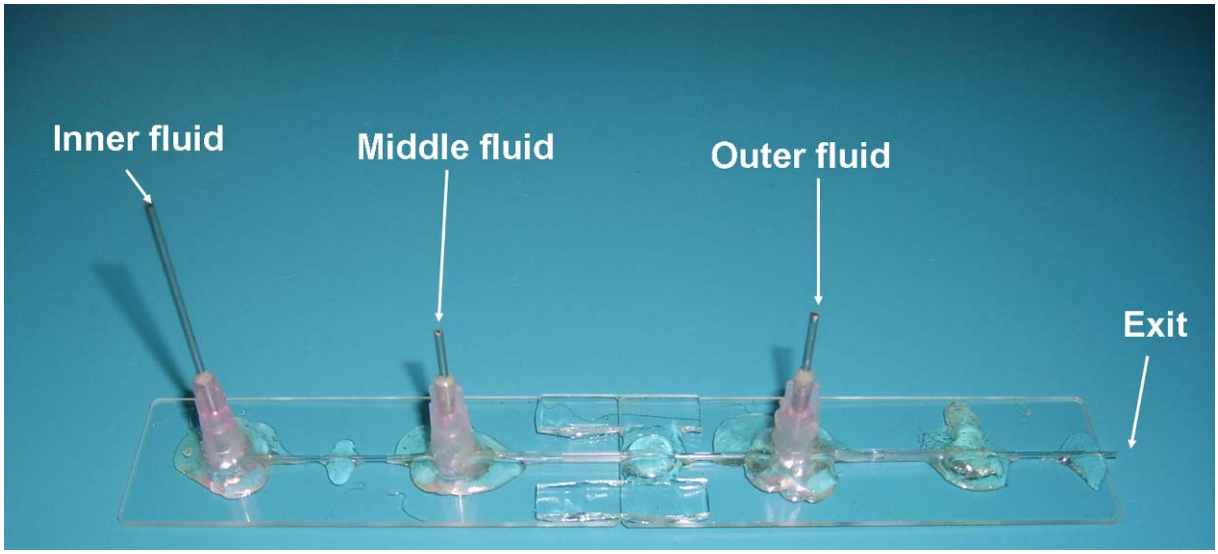

Figure S1. A photo of a microfluidic device.

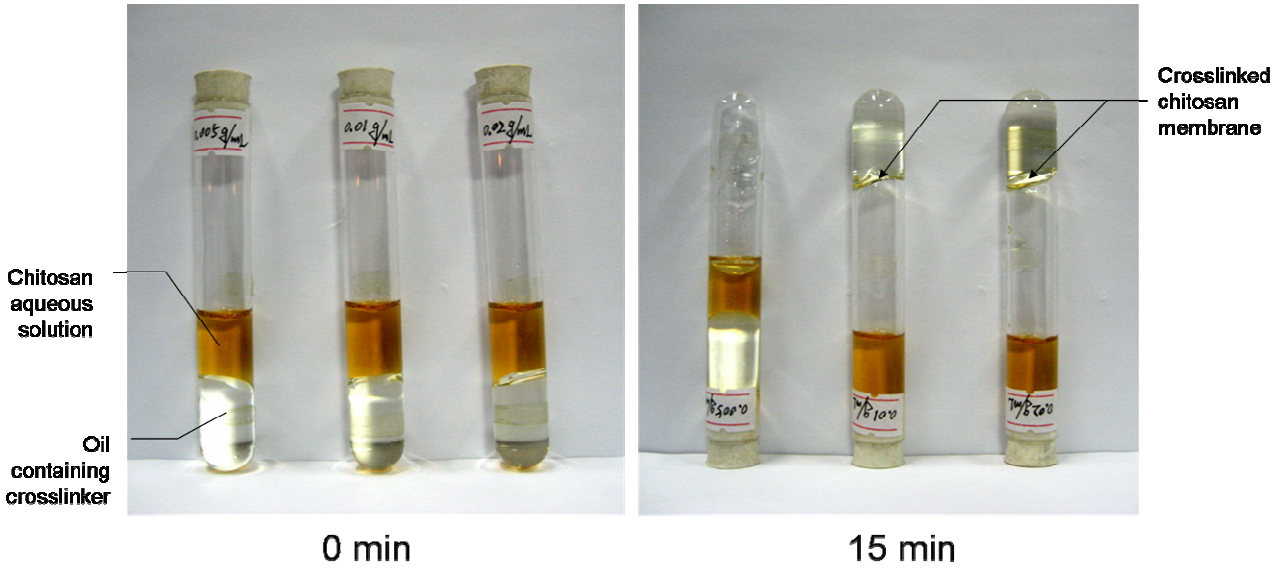

Figure S2. Effect of the terephthalaldehyde concentration in the oil phase on the crosslinking reaction at the W/O interface. From the left to the right, the terephthalaldehyde concentrations in the oil phase are 0.005 g/ml, 0.01 g/ml and 0.02 g/ml, respectively.

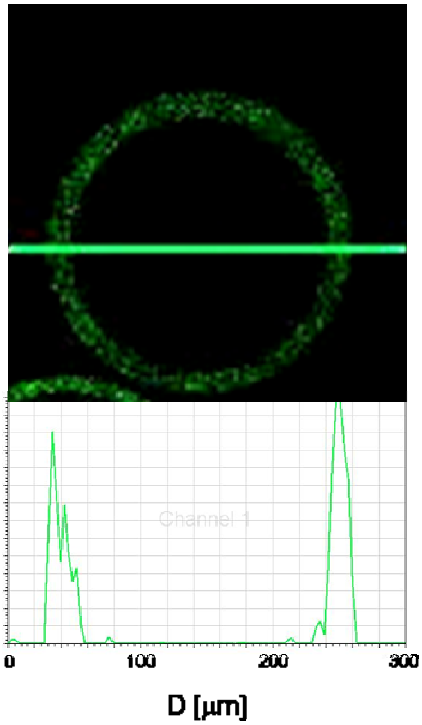

Figure S3. CLSM image of a crosslinked chitosan microcapsule and its fluorescence intensity profile.