

Synthesis and characterisation of polynorepinephrine-shelled microcapsules via an oil-in-water emulsion templating route

Supplementary Information

Zhenzhen Lu^a, Shahinur Acter^a, Boon M. Teo^{a*}, Rico F. Tabor^{a*}

a. School of Chemistry, Monash University, Clayton VIC 3800, Australia boonmian.teo@monash.edu, rico.tabor@monash.edu

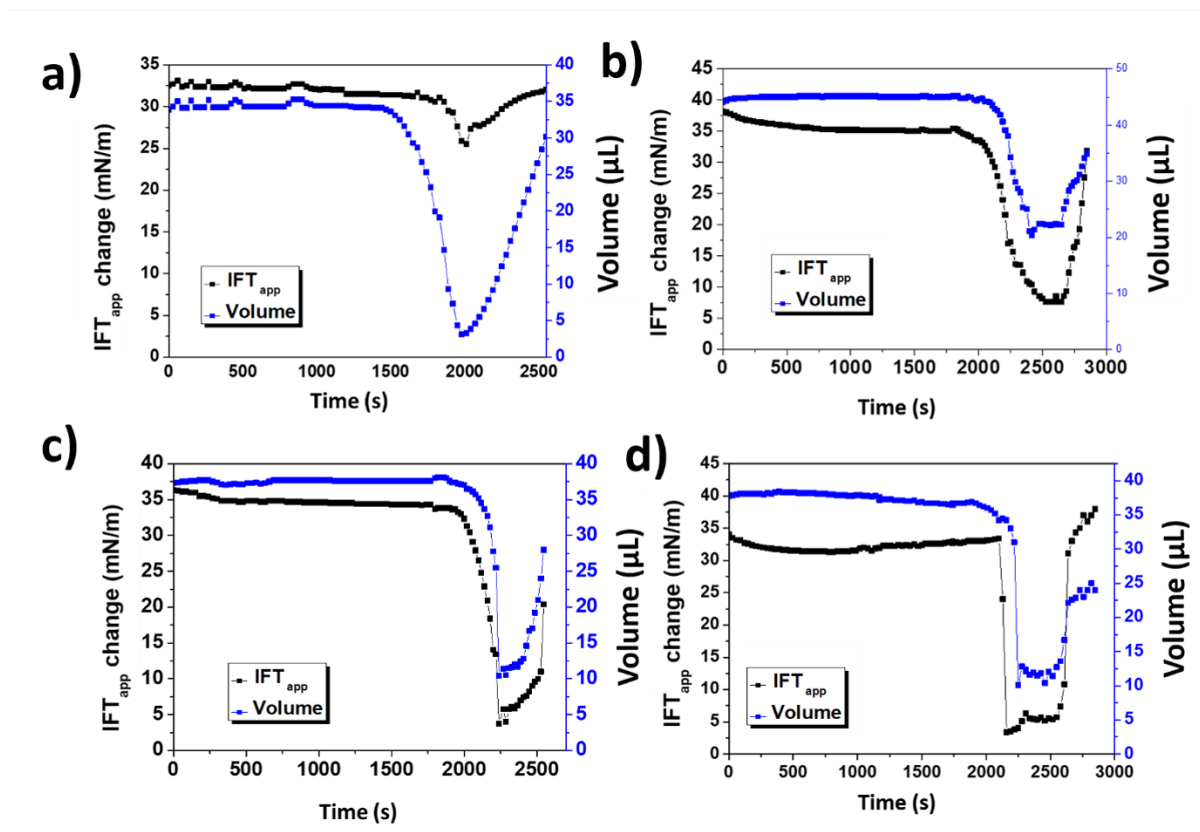


Figure S1. (a–d) compression/expansion measurements conducted at a flow rate 5 µL/min, showing the response of interfacial tension for (a) ultrapure water droplet, (b) 0.5 µM Cu²⁺ and 2.5 mM NE microcapsules, (c) 2 µM Cu²⁺ and 2.5 mM NE microcapsules (d) 5 µM Cu²⁺ and 2.5 mM NE microcapsules.

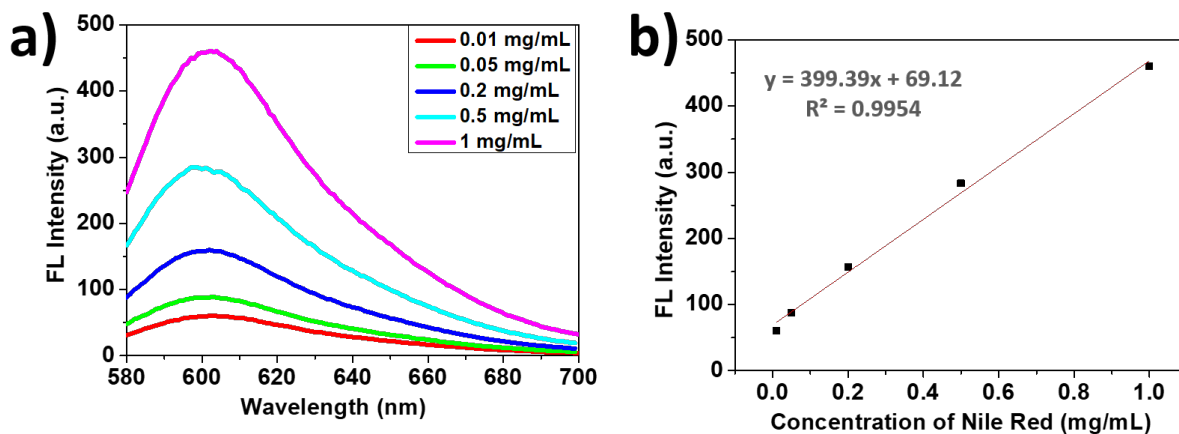


Figure S2. (a) Fluorescence spectra of Nile Red at the concentration of 0.01, 0.05, 0.2, 0.5 and 1 mg/mL. (b) standard curve for Nile Red concentration vs fluorescence intensity.

The fluorescence spectra of 0.01, 0.05, 0.2, 0.5 and 1 mg/mL Nile Red DCM solution were present in Figure S2a when excitation wavelength is 550 nm. A linear standard calibration curve of 0.99 was obtained at Nile red concentration range from 0.01-1 mg/mL (Figure S2b).