

Supporting Information

Reversible Nontoxic Thermochromic Microcapsules

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Figure S1. The UV-Vis spectra of w/o emulsion of CPR aqueous solution (10^{-3} M) in toluene (volume ratio of 1:10) at melted (25 °C) and frozen states (-196 °C).

Figure S2. The DSC heat flow curve of CPR aqueous solution (0.001M) in heating and cooling processes between -60 °C and 20 °C (5 °C/min).

Figure S3. Optical microscopy images of NIH-3T3 fibroblast cells (A) control, (B) incubated with 2 mg/mL microcapsules after 24h and (C) incubated with films (20 wt.% microcapsules in film) after 24h.

Table S1. Thermal parameters of core solution, microcapsules and incorporated film.

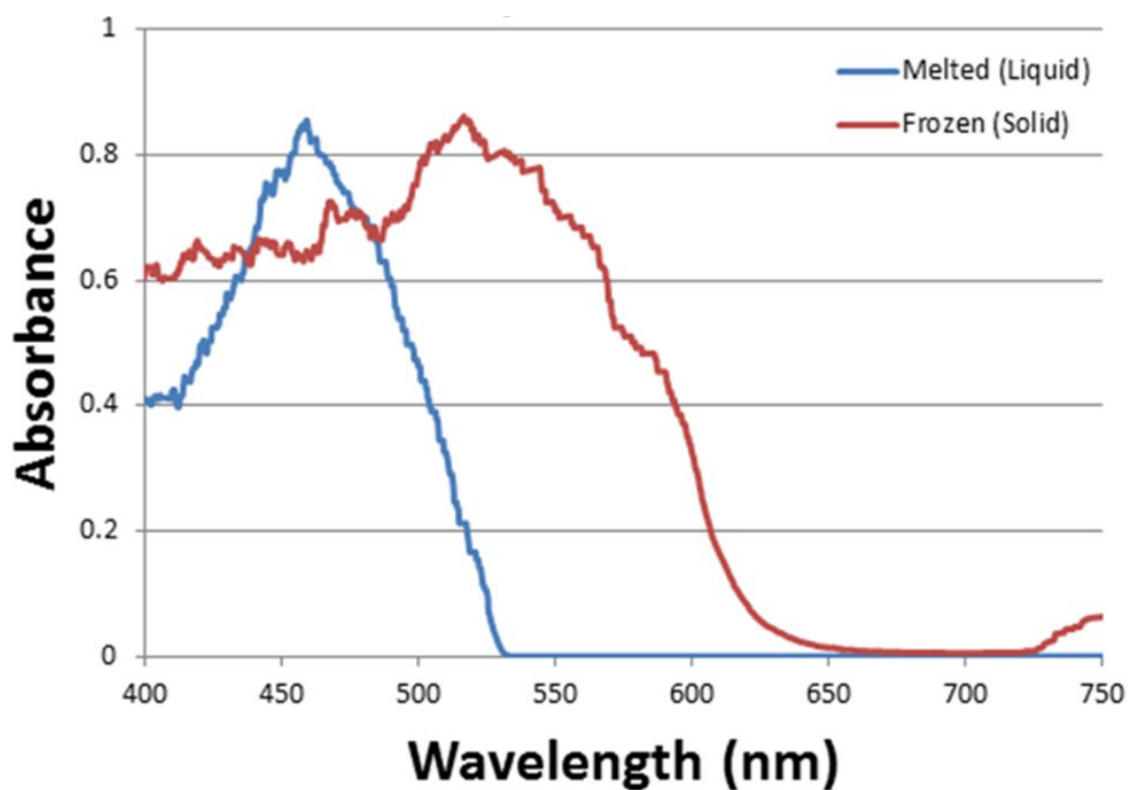


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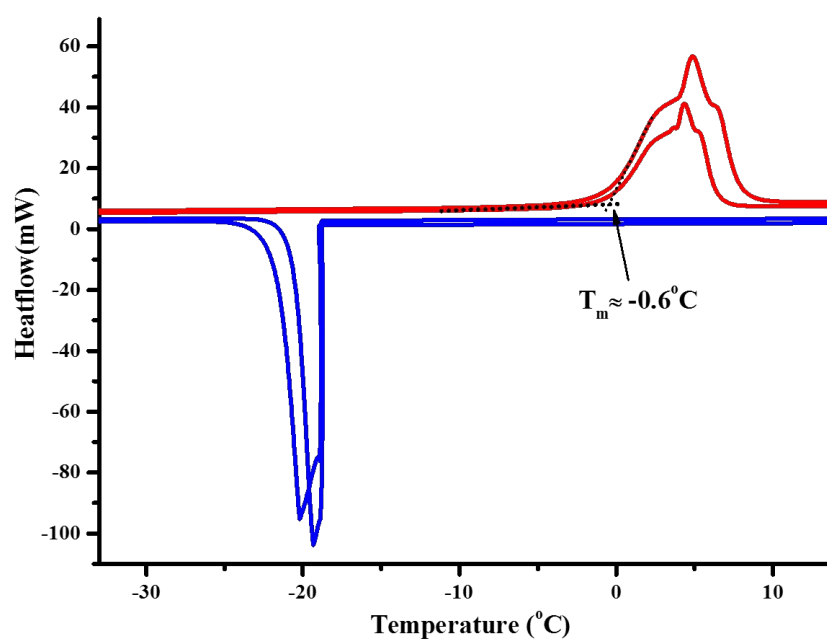


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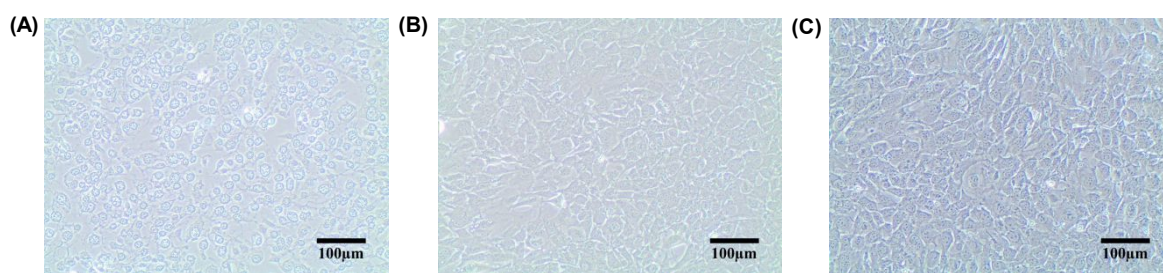


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Samples	T_m (°C)	Deviation (°C)
Core CPR solution	-0.6	0.2
Microcapsules	-2.8	0.3
Film	-3.0	0.3