Electronic Supplementary Material (ESI) for RSC Advances

Enzymatically Triggered Multifunctional Delivery System Based on Hyaluronic Acid Micelles

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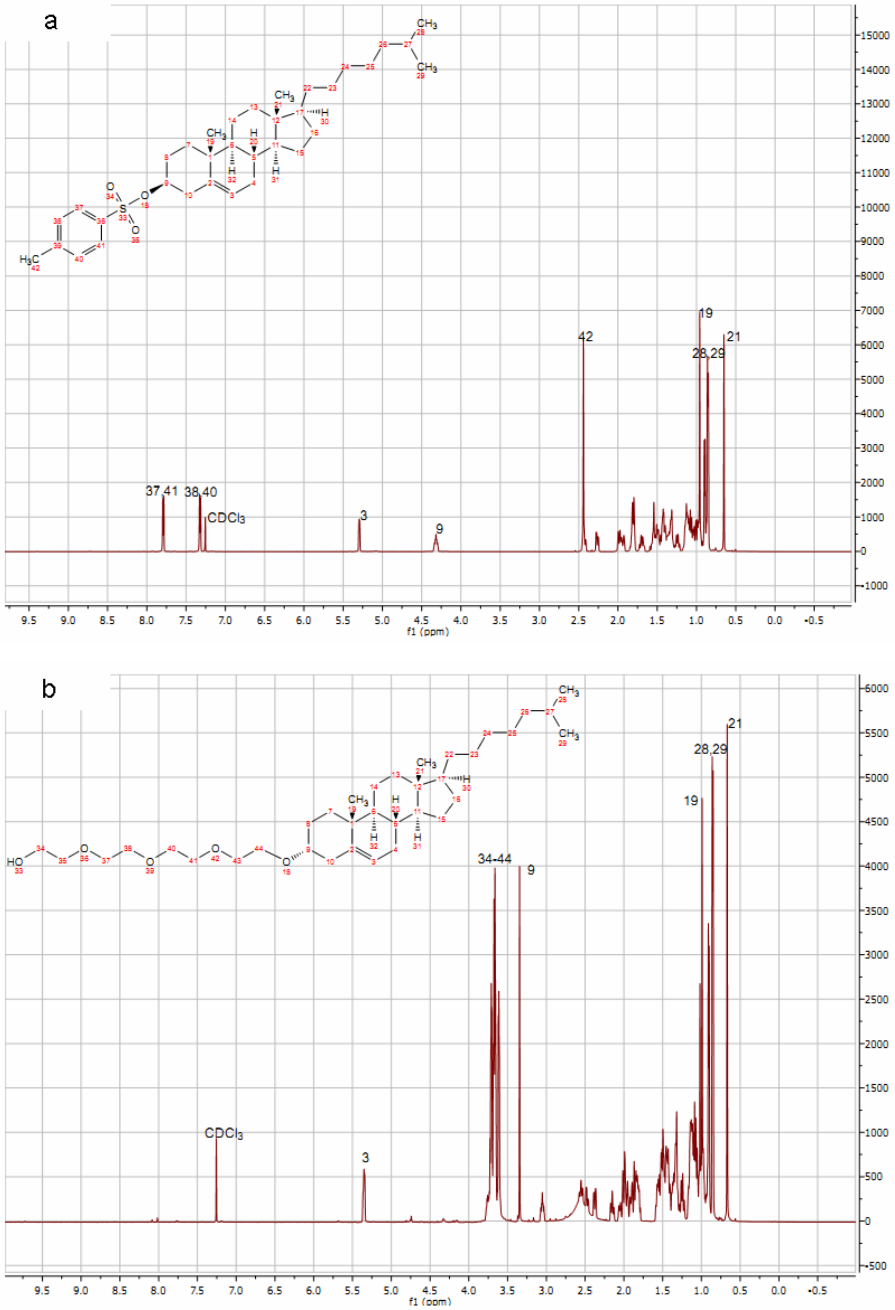

Figure S1. ^{1}H NMR of (a) cholesteryl tosylate (Ch-OTs, 1) and (b) tetraethylene glycol monocholeteryl ether (Ch-TEG, 2).

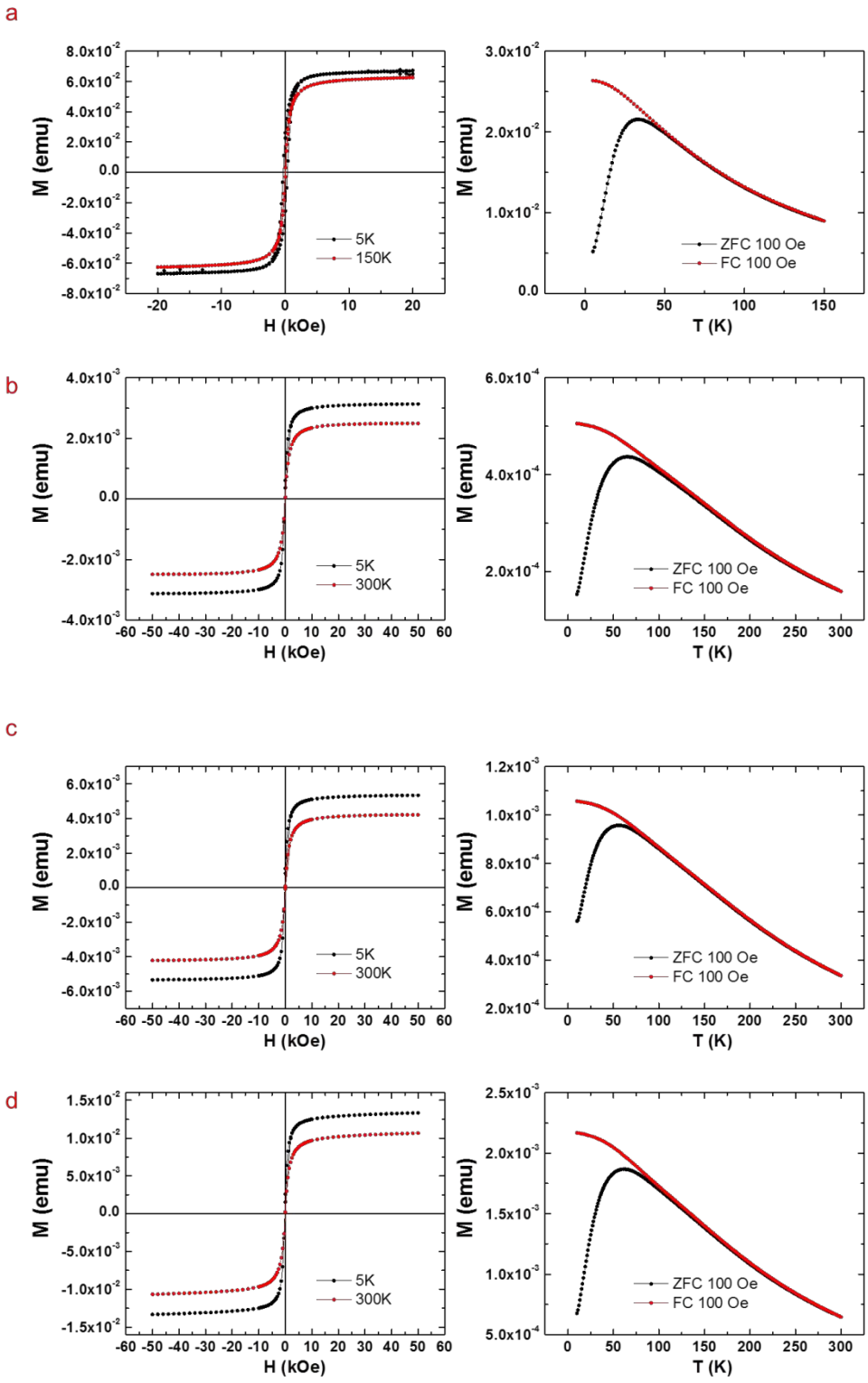

Figure S2. Magnetic properties of (a) SPIO NPs in hexane, (b) SPIO NPs in DSCH-1micelles (c) SPIO NPs in DSCH-2 micelles (d) SPIO NPs in DSCH-3 micelles. Left figures are field dependent magnetization for the SPIO NPs. Right figures are the temperature dependent magnetizations for the SPIO NPs under zero-field-cooled (ZFC) and field-cooled (FC) process,

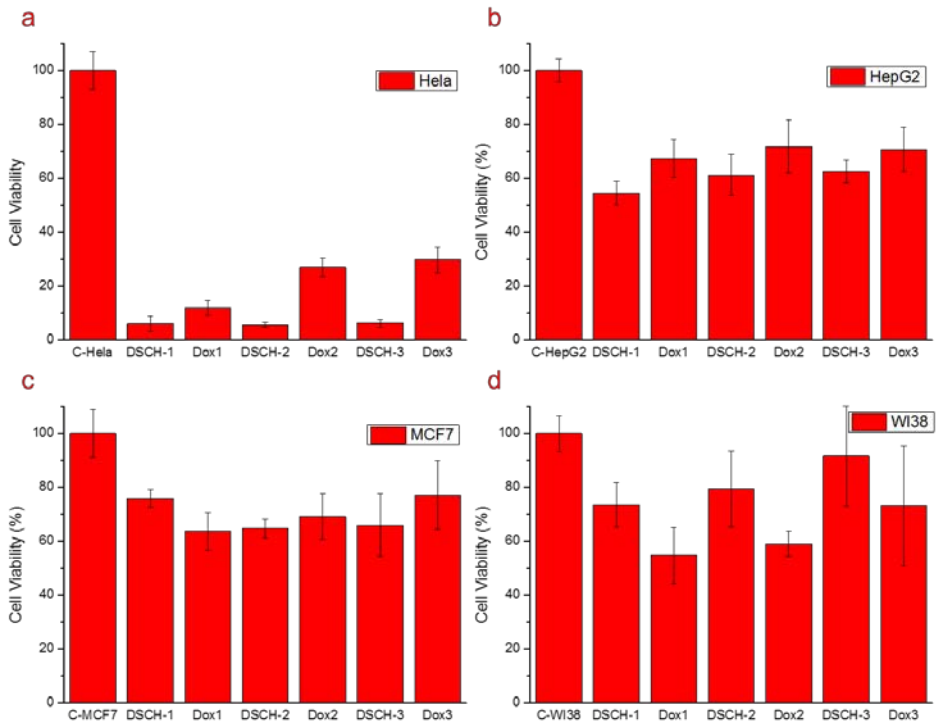

Figure S3. Cytotoxicity of DSCH micelles after incubation with (a) Hela (b) HepG2 (c) MCF7 (d) WI38 for 24 h.

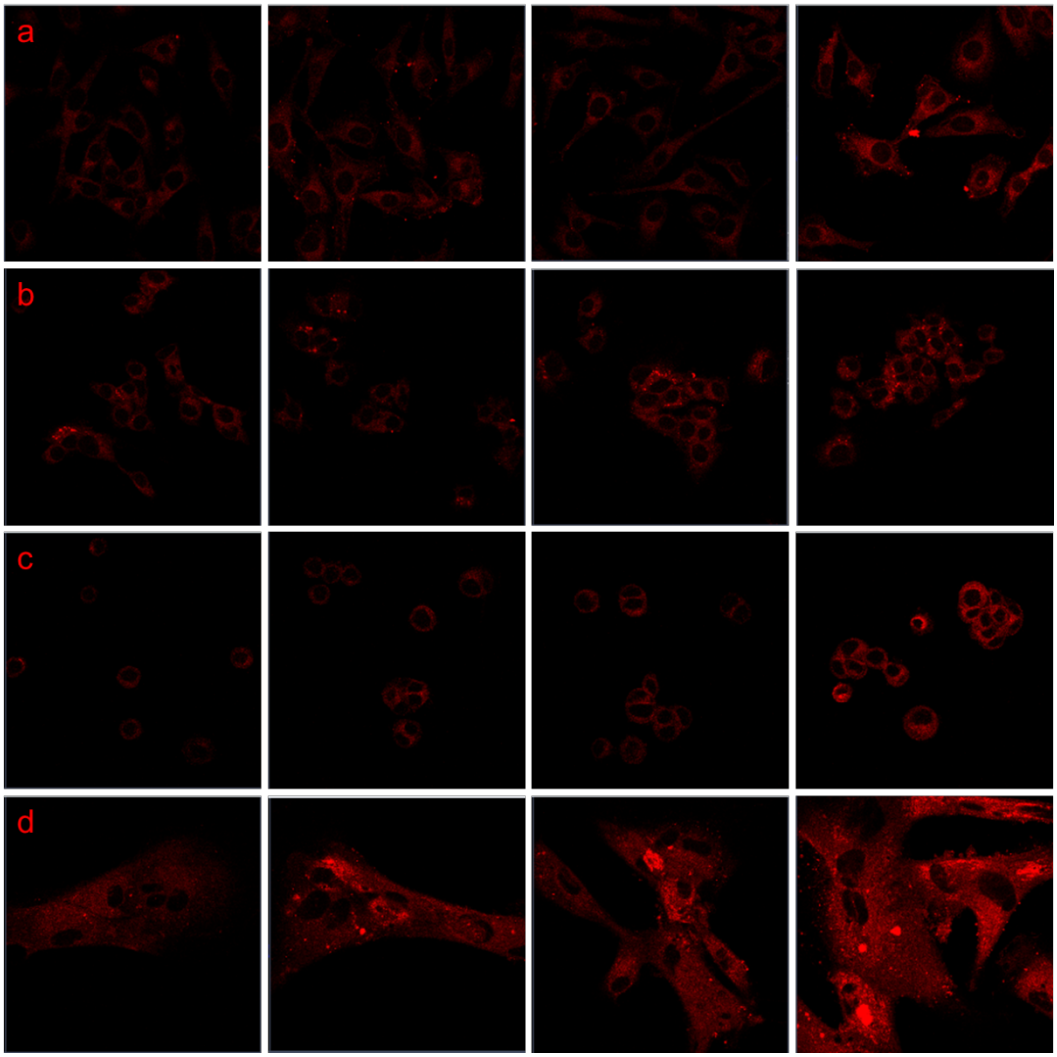

Figure S4. Time series of DOX released from DSCH micelles into: (a) Hela (b) HepG2 (c) MCF7 (d) WI38. From left to right, images are at 5, 15, 30, 60 min.