

Supporting Data

Development of Tailored SPION/PNIPAM Nanoparticles by ATRP for Dually Responsive Doxorubicin Delivery and MR Imaging

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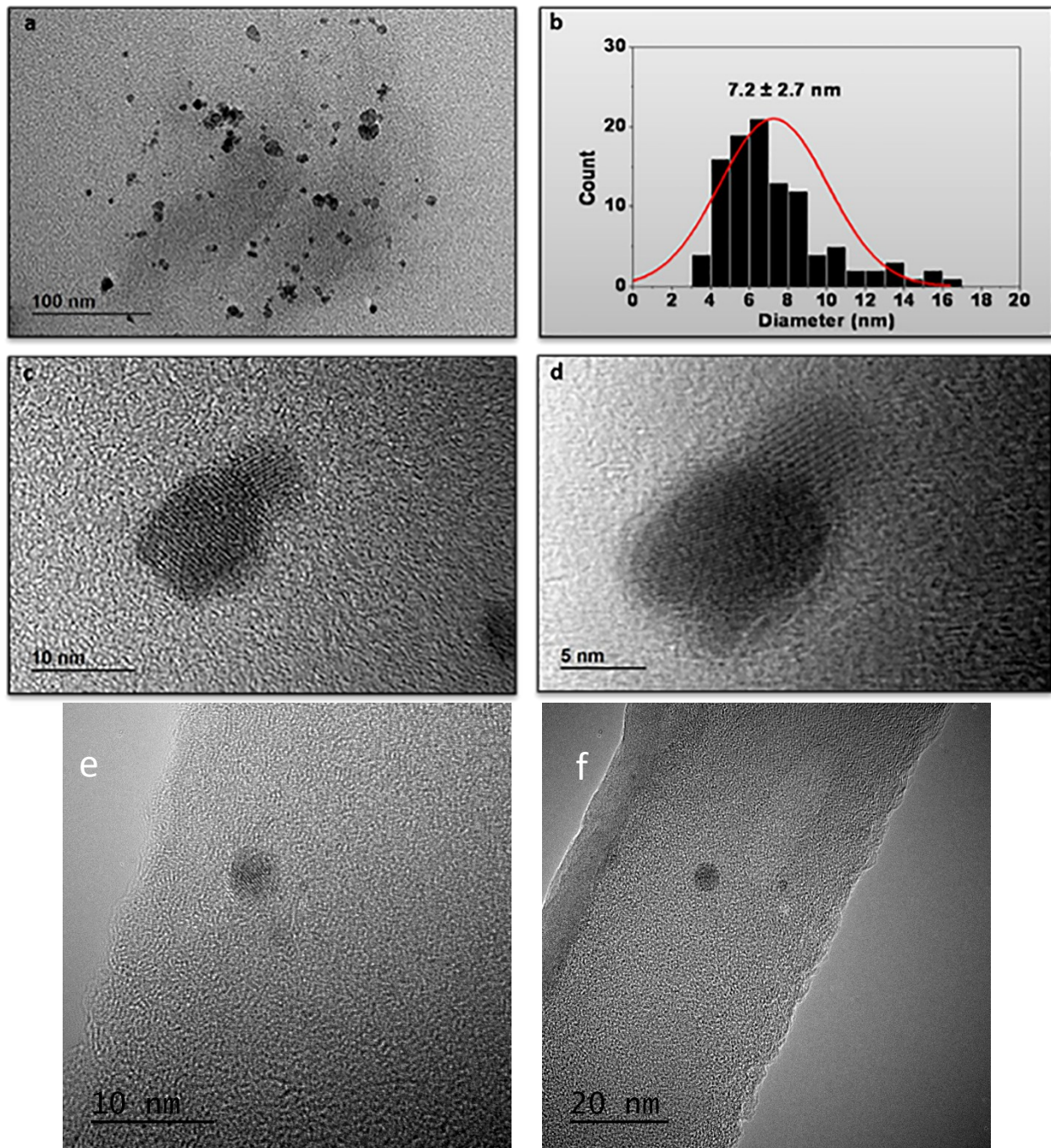


Fig S1. TEM images of nanoparticles at different magnification (S1a, c, and d). Crystal size of the iron oxide core was determined as 7.2 ± 2.7 (S1b). TEM images of SPION-PNIPAM01-DOX nanoparticles.

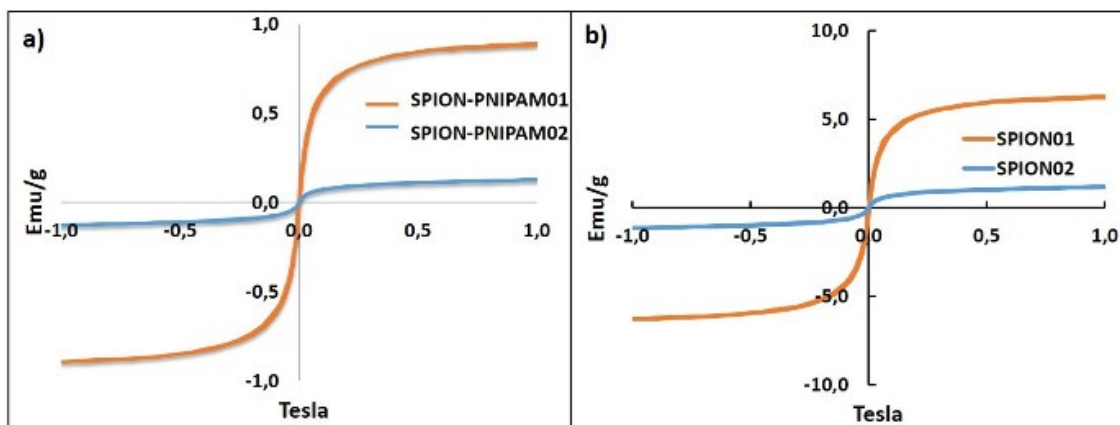


Fig S2. (a) Magnetization of SPION-PNIPAM01 and SPION-PNIPAM02 as a function of magnetic field applied on total content of nanoparticles. **(b)** Magnetization of SPION-PNIPAM01 and SPION-PNIPAM02 as a function of magnetic field applied on SPION content of nanoparticles.

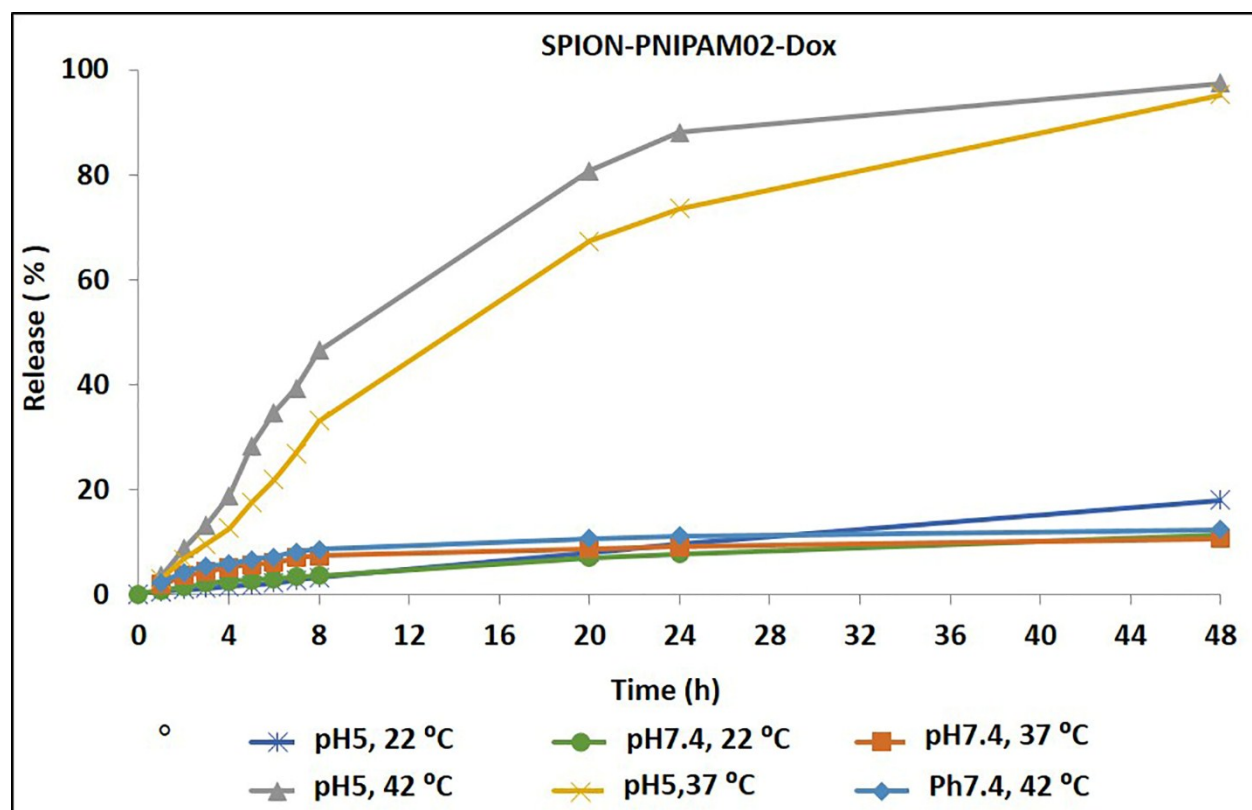


Fig S3. Release of Dox from SPION-PNIPAM02 in different solutions with pH 5 and pH 7.4 and 22°C, 37°C and 42°C temperature.

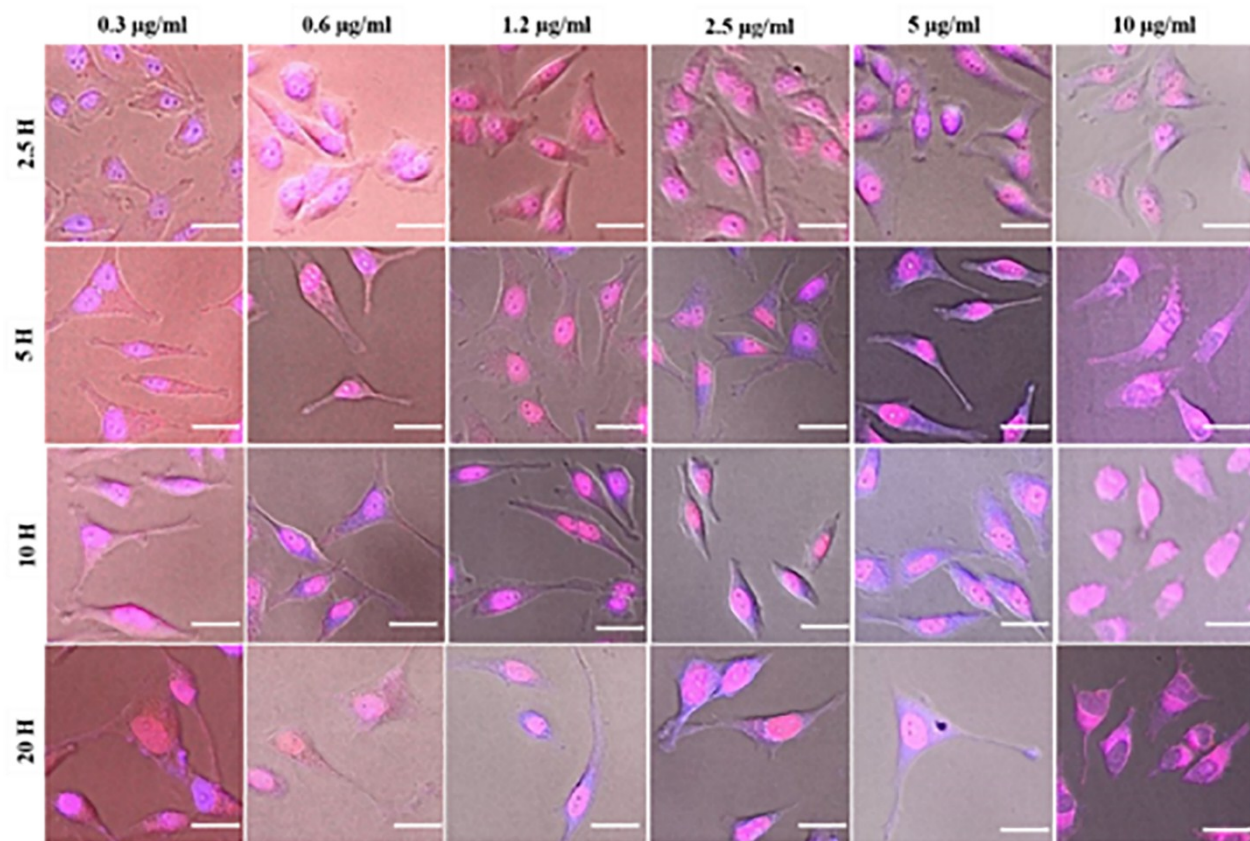


Fig S4. Uptake of “free” Doxorubicin by HeLa Cells. Confocal laser microscopy image of HeLa cells incubated with different concentration (0.3, 0.6, 1.2, 2.5, 5 and 10 µg/ml) of Doxorubicin at different time points (2.5h, 5h, 10h and 20 h) at 37°C (Scale bar 40 µm).