

Supporting information

Multimodal and Multifunctional Stealth Block Copolymer Nanospheres for Sustained Drug Delivery

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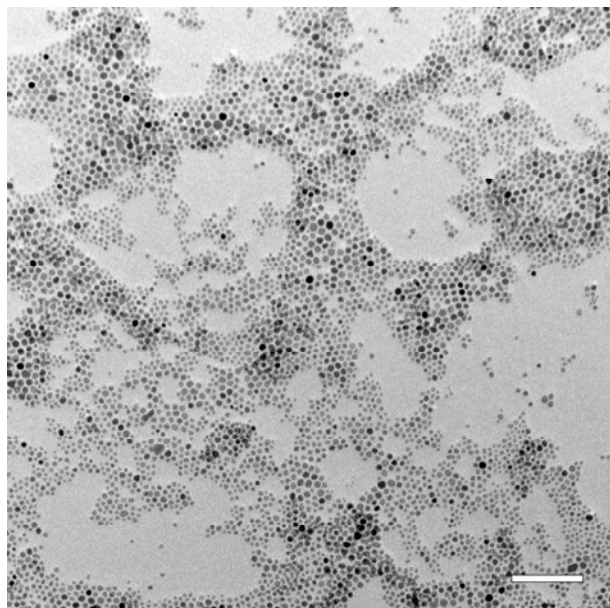


Figure S1. Transmission electron micrograph of as-prepared magnetite nanoparticles. Scale bar 100 nm.

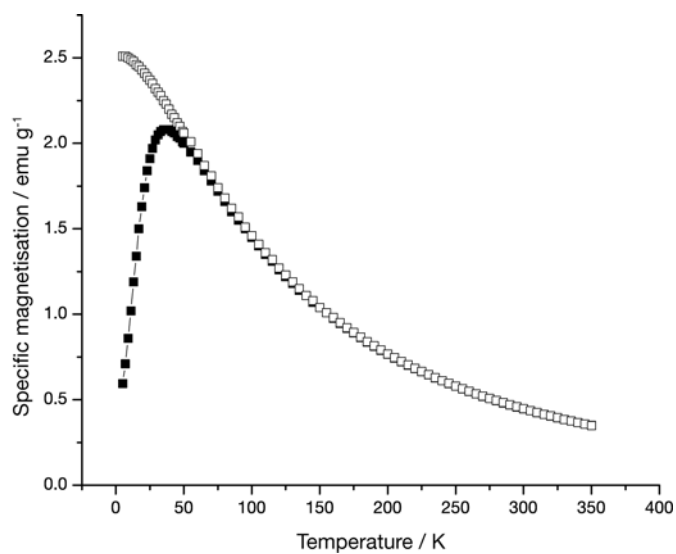


Figure S2. Zero-field cooled (solid)–field cooled (open) curves for PMMA nanospheres as measured by SQUID magnetometry.

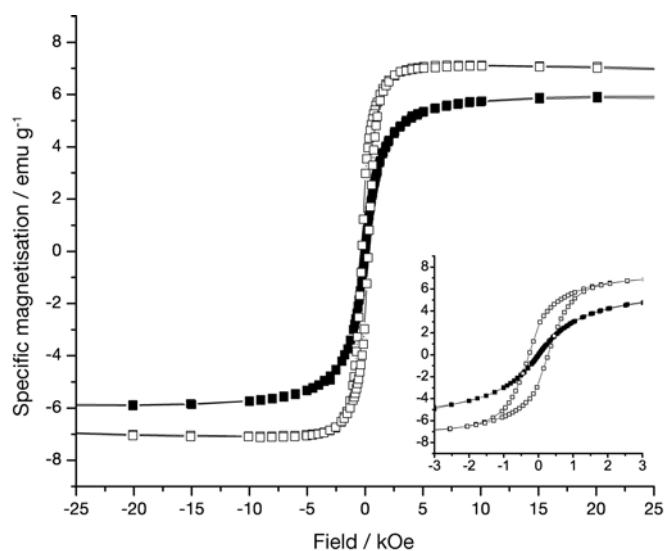
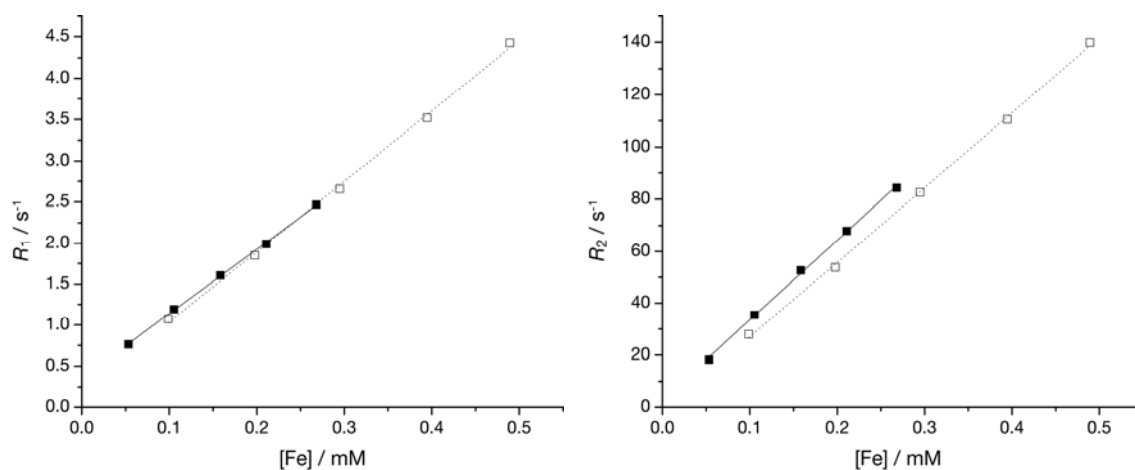


Figure S3. Hysteresis loops at 5 K (open) and 300 K (solid) for PMMA nanospheres, measured using SQUID magnetometry. The inset shows detail at the origin.



Solvent ratio	Longitudinal relaxivity $r_1 / \text{s}^{-1} \text{mM}^{-1} \text{Fe}$	Transverse relaxivity $r_2 / \text{s}^{-1} \text{mM}^{-1} \text{Fe}$	r_2/r_1
1:2:9 (solid points)	7.87 ± 0.09	307 ± 6	39.0
0:1:19 (open points)	8.56 ± 0.18	287 ± 4	33.5

Figure S4. Determination of relaxivity for two different PMMA nanosphere preparations. Solid points denote nanosphere prepared using hexane/chloroform/acetone ratio 1:2:9, and open points represent nanospheres prepared using solvent ratio 0:1:19.