

Supporting Information

One pot synthesis of amine-functionalized and angular-shaped superparamagnetic iron oxide nanoparticles for MR/fluorescence bimodal imaging applications

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[†] Footnotes relating to the title and/or authors should appear here.

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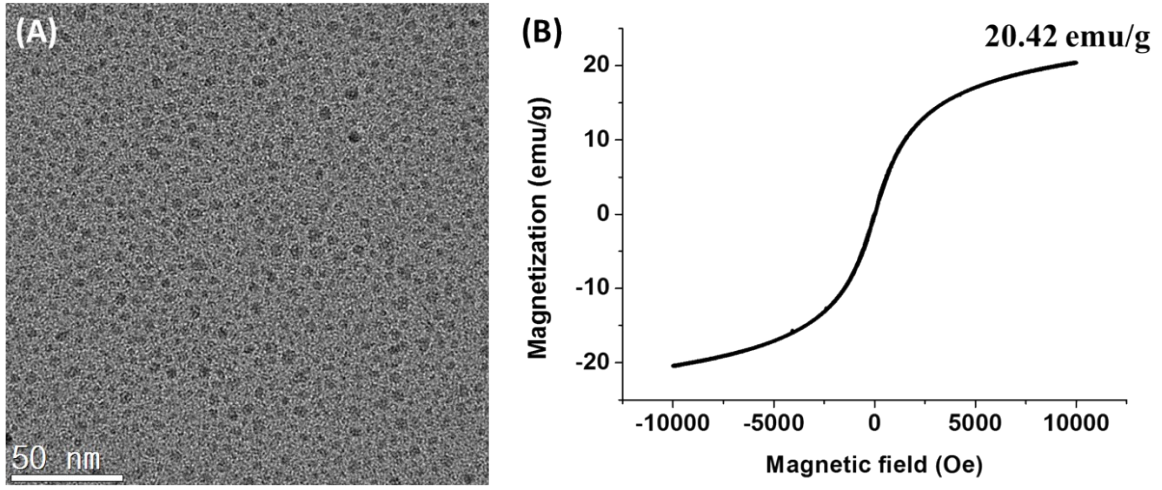


Fig. S1 TEM image and SQUID magnetization measurement of the reproduced USPIO.

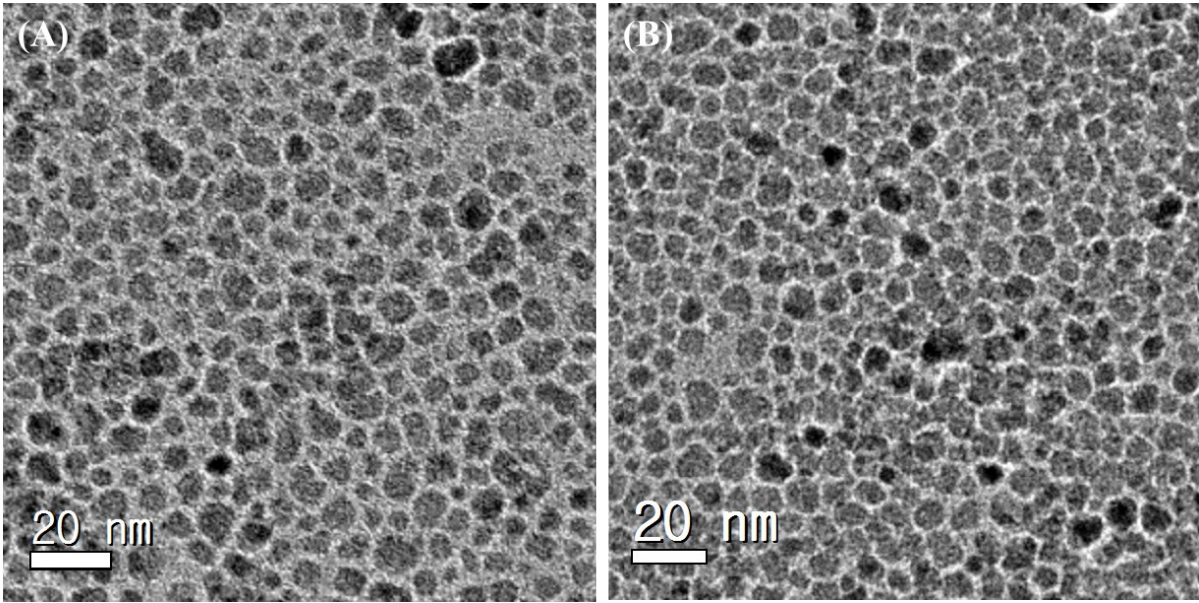


Fig. S2 TEM images of synthesized IONPs in PEG solvent with (A) KBr and (B) NaCl.

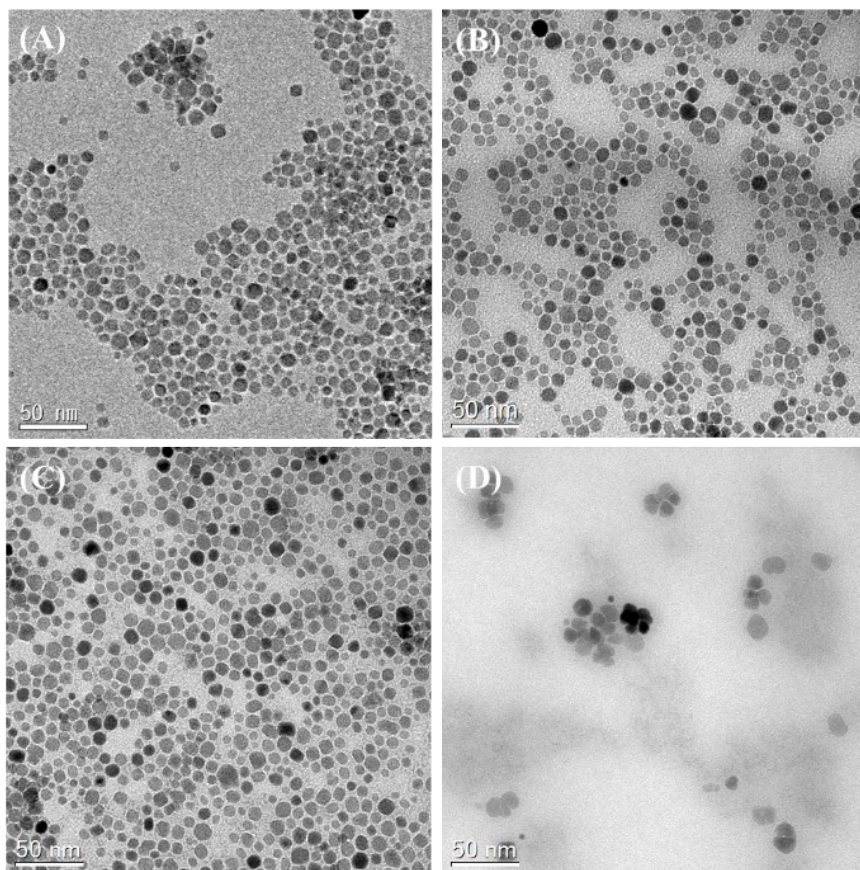


Fig. S3 TEM images of synthesized A-SPIONs with various amount of NaCl, (A): 0 mmol, (B): 1 mmol, (C): 3 mmol, (D): 5 mmol

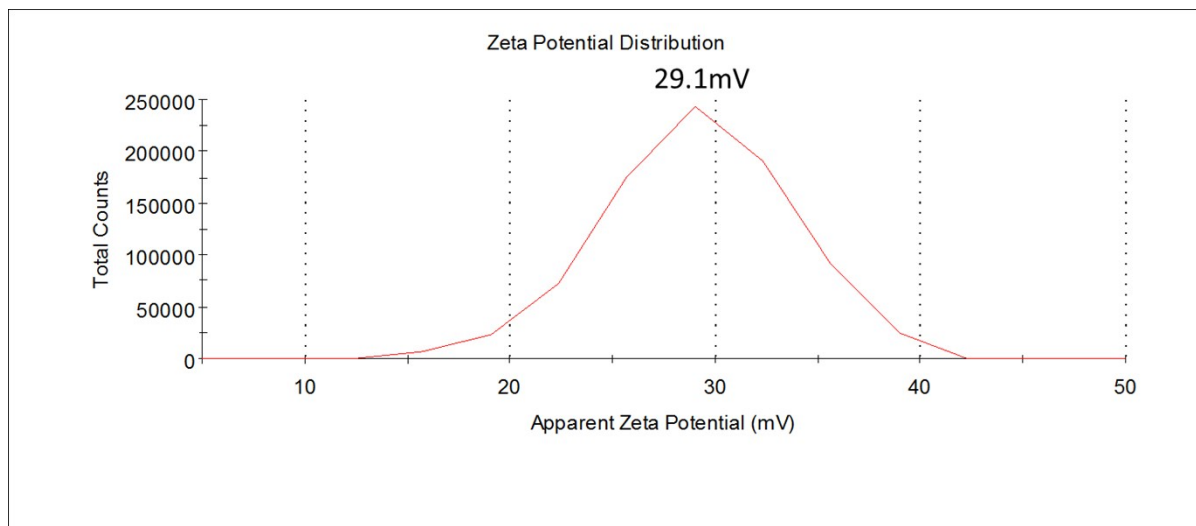


Fig. S4 Surface charge of the as-prepared A-SPIONs.

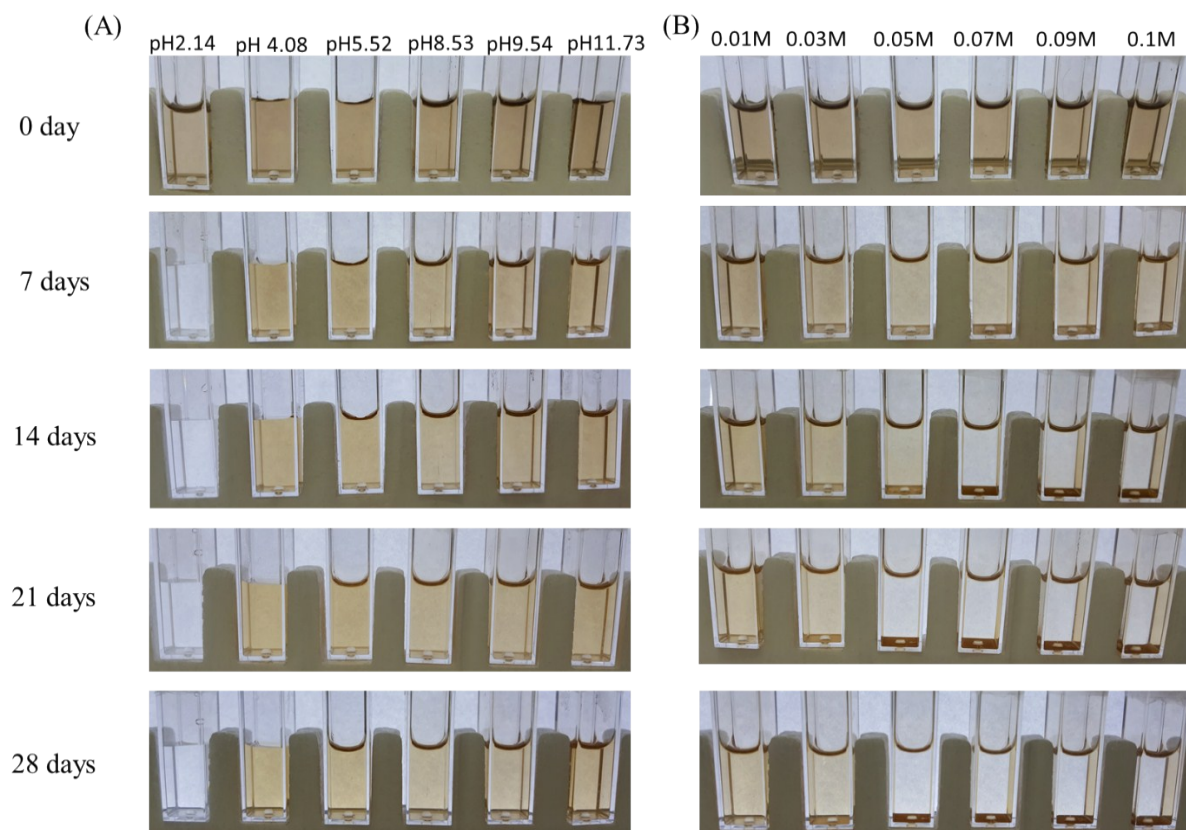


Fig. S5 Photographs of as-prepared A-SPIONs in various (A) pH and (B)NaCl concentration.

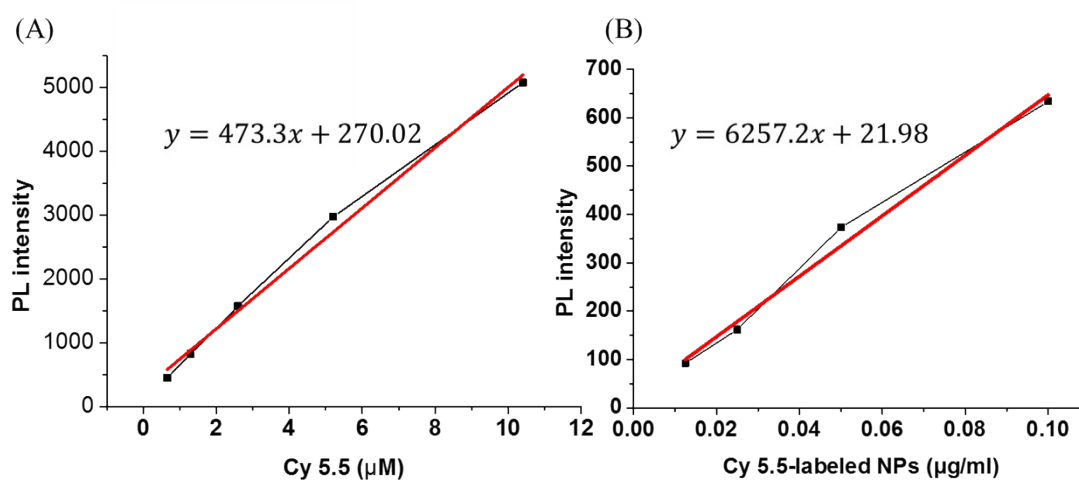


Fig. S6 Standard curves of Cy 5.5 and Cy5.5-labeled A-SPIONs as a function of concentration (Em. $\lambda=675\text{nm}$).

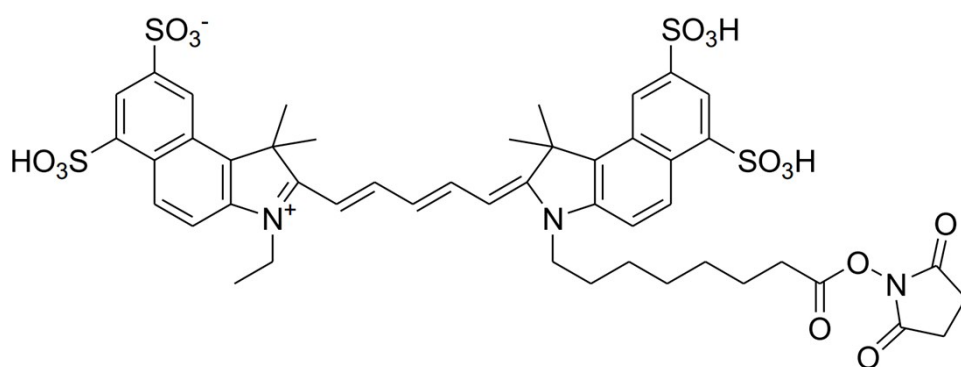


Fig. S7 Chemical structure of Flamma® 675 NHS ester.