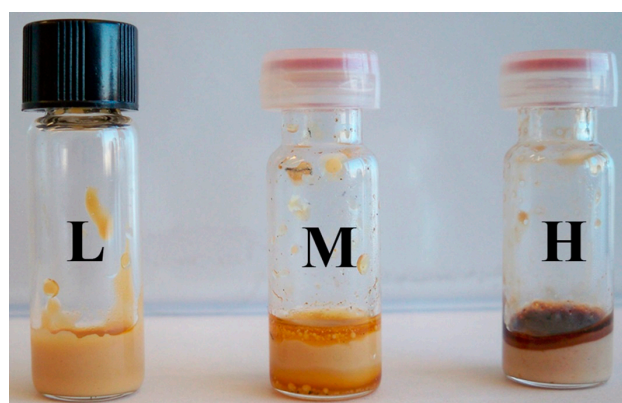


Supplementary Materials: Modified Nanoemulsion with Iron Oxide for Magnetic Resonance Imaging

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	Size (nm)	ZP (mv)
Modified NE-L	521.1	9.64
Modified NE-M	704.8	9.66
Modified NE-H	1469.0	23.7

Figure S1. Stability of iron oxide-modified NE with different concentrations of iron oxide nanoparticles. L: low concentration (30 $\mu\text{g}/\mu\text{L}$); M: moderate concentration (35 $\mu\text{g}/\mu\text{L}$); H: high concentration (40 $\mu\text{g}/\mu\text{L}$). For each formulation the size of the droplets and the zeta potential are shown.

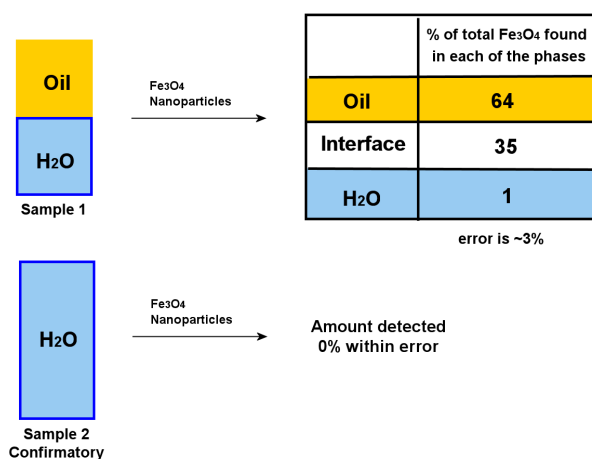


Figure S2. The distribution of Fe₃O₄ in oil phase and water phase of iron oxide-modified nanoemulsion.

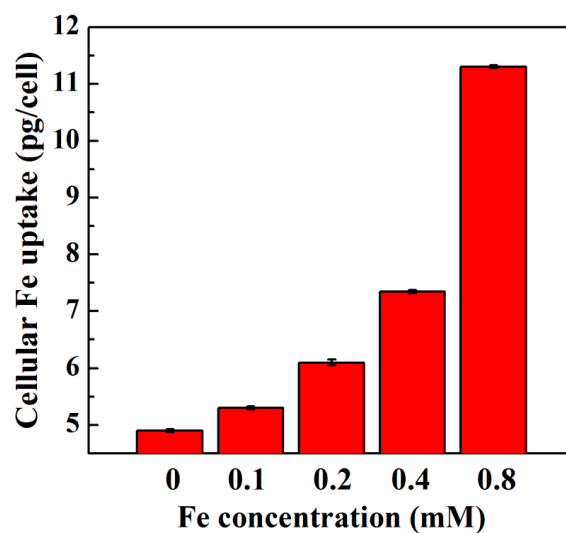


Figure S3. The Fe uptake by TC-1 cells treated with Fe₃O₄ modified NEs at the Fe concentration of 0–0.8 mM for 15 min.

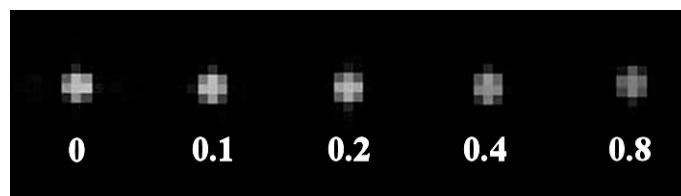


Figure S4. The MR image of TC-1 cells with 0–0.8 mM of iron oxide-modified NEs.



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