

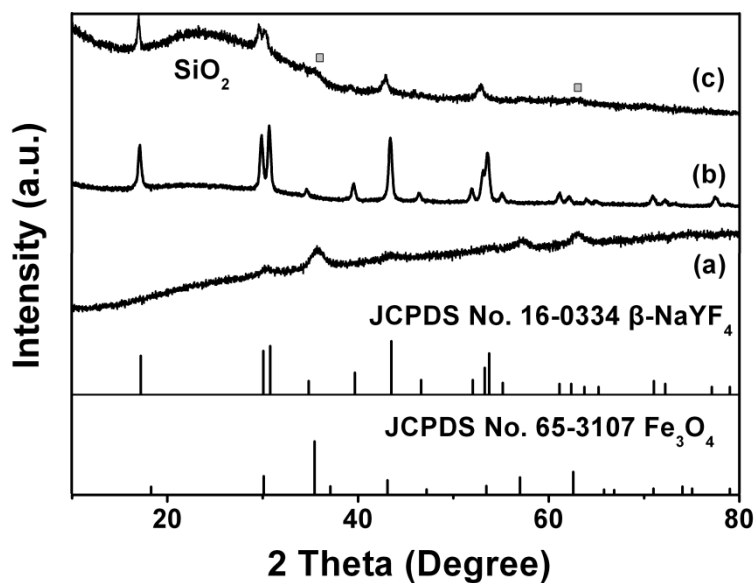
## Supporting Information

# Multifunctional NaYF<sub>4</sub>:Yb, Er@mSiO<sub>2</sub>@Fe<sub>3</sub>O<sub>4</sub>-PEG Nanoparticles for UCL/MR Bioimaging and Magnetically Targeted Drug Delivery

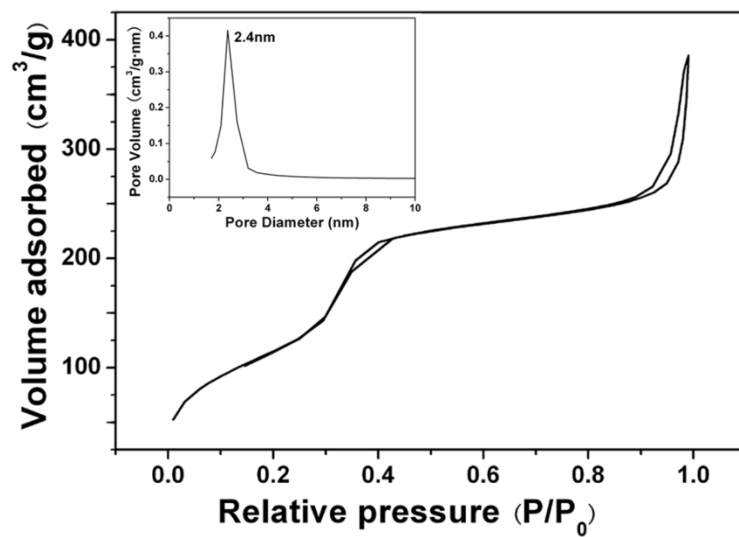
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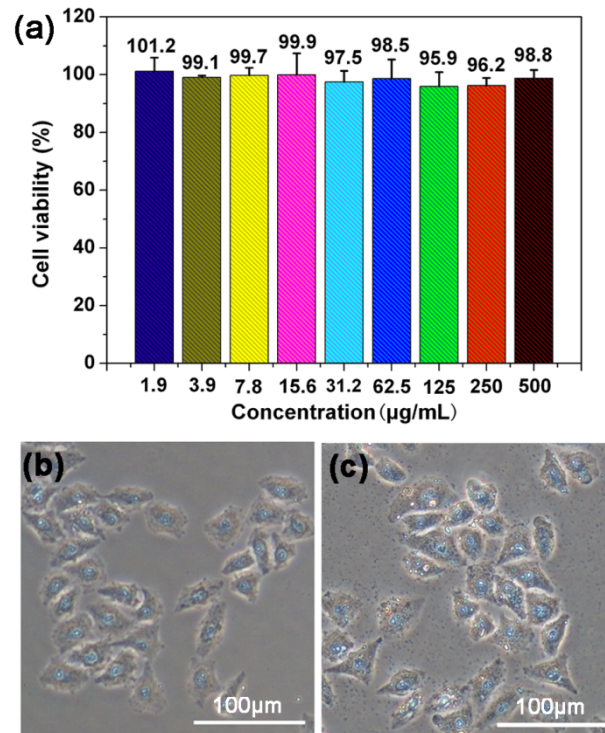
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**Figure S1** XRD patterns of the as-prepared Fe<sub>3</sub>O<sub>4</sub> (a), UCNPs (b), MFNPs (c) and the corresponding standard data of Fe<sub>3</sub>O<sub>4</sub> (JCPDS No. 65-3107), β-NaYF<sub>4</sub> (JCPDS No. 16-0334).



**Figure S2** N<sub>2</sub> adsorption–desorption isotherms and mesopore size distribution (the inset) of MFNPs.



**Figure S3** (a) In vitro cell viability data of cultured HeLa cells after incubation with MFNPs for 24 h using standard MTT colorimetric assay and fluorescence microscopy images of HeLa cells incubated with MFNPs for 0 h (b) and 24 h (c).