**The Effect of Surface Coating of Iron Oxide Nanoparticles on Magnetic Resonance Imaging Relaxivity**

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**Supporting Information**

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Figure SI-1: X-ray diffraction spectrum of IONPs with dc = 6 nm given as intensity in dependence of the scattering angle 2Θ.

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Figure SI-2: Magnetization M in dependence of the applied field H, as recorded for IONPs with dc = 6nm.

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Figure SI-3: Fourier-transformed IR spectrum of IONPs with dc = 6 nm showing the transmission T in dependence of the wavenumber.