

## Heparin-stabilised Iron Oxide for MR Applications: A Relaxometric Study

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### Supplementary Information

**Table S1.** Zeta potential measurements ( $\zeta$ -potential) of solutions of reagents before mixing, after mixing (before co-precipitation) and after co-precipitation (and formation of nanoparticles) for Samples 1-5, prepared according to Table 1.

Sample	Fe <sup>II/III</sup> solution $\zeta$ -potential (mV)	Heparin solution $\zeta$ -potential (mV)	$\zeta$ -potential of reagent solution before precipitation (mV)	$\zeta$ -potential after precipitation (mV)
1	+6.9±2.8	-54.4±4.4	-1.06±0.6	-26.5±0.8
2	+6.9±2.8	-41.1±7.2	-5.5±0.6	-17.1±0.4
3	+6.9±2.8	-48.2±2.1	-4.4±1.7	-31.2 0.4
4	+6.9±2.8	-48±5.2	-4.3±0.8	-33.2±0.1
5	+6.9±2.8	-44.7±7.2	-13.8±0.7	-36.8±0.8