

Electronic Supplementary Information

Controlled assembly of magnetic nanoparticles on microbubbles for multimodal imaging

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It was found that as the amount of SPIO loaded was increased further (especially when the concentration was increased to a value greater than $8.45 \times 10^{-7} \mu\text{g/MMB}$), the stability of the MMBs was affected (Figure S1.), resulting in the formation of agglomerates and deposits; these cannot be injected intravenously and thus have poor clinical applicability.

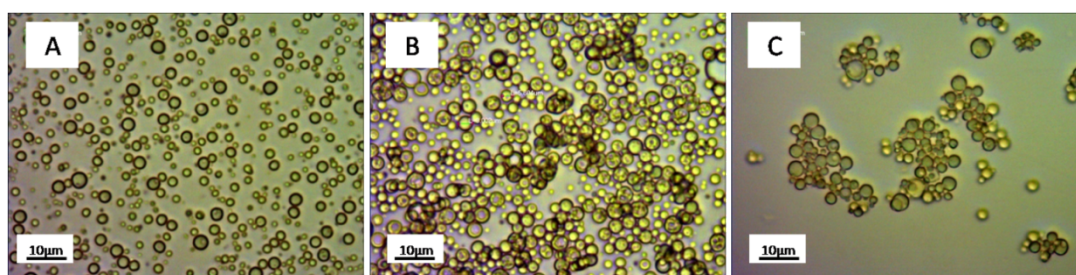


Figure S1. Optical microscopy images of MMBs coated different SPIO concentrations (A: $5.63 \times 10^{-7} \mu\text{g/MMB}$, B: $8.45 \times 10^{-7} \mu\text{g/MMB}$, C: $9.38 \times 10^{-7} \mu\text{g/MMB}$).