

Electronic Supplementary Information

Direct Synthesis of Dextran-Coated Superparamagnetic Iron Oxide Nanoparticles in a Capillary-Based Droplet Reactor

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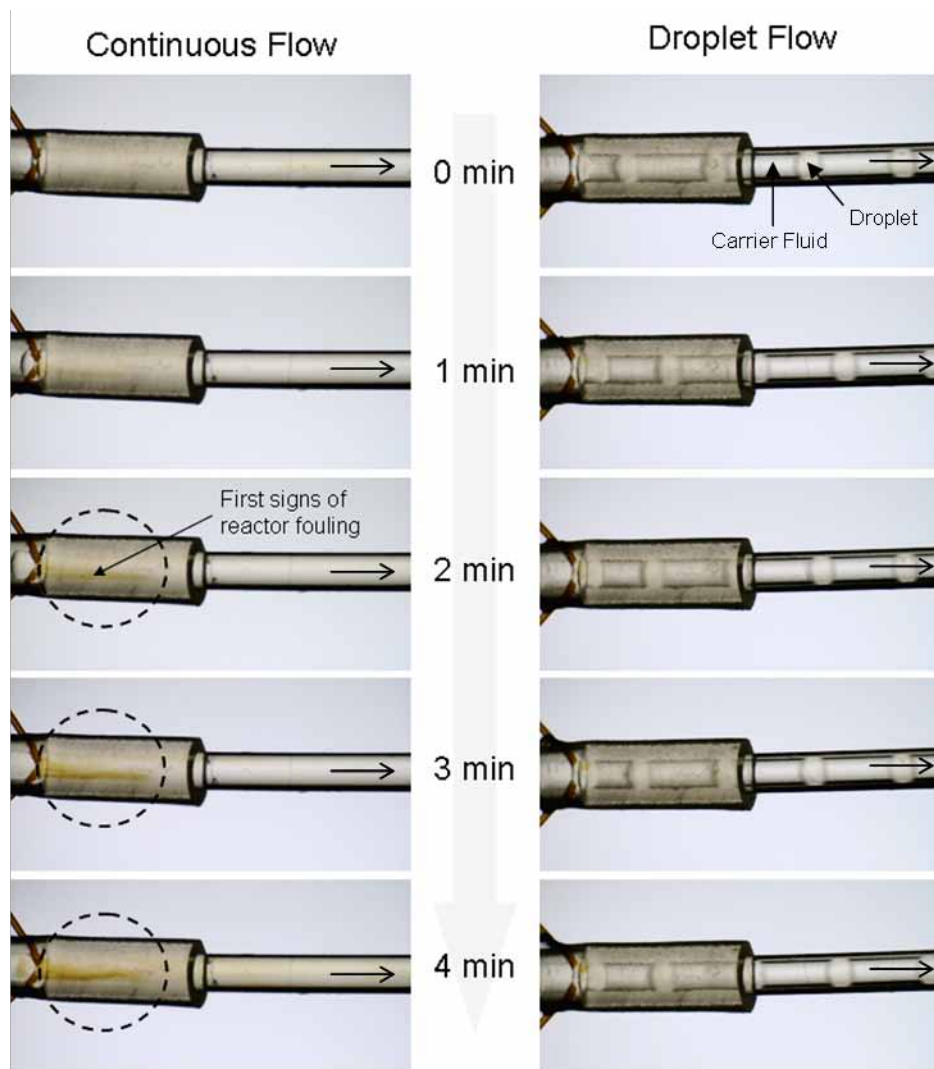


FIGURE S1 – Photographs comparing the synthesis of iron oxide under continuous (left) and droplet (right) modes of operation. Visible deposition of iron-oxide on the channel walls is evident after just one minute when the reactor is operating in continuous flow. No deposition is seen in droplet flow.

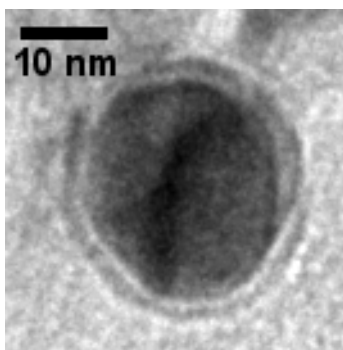


FIGURE S2 – Transmission Electron Micrograph of a ~22 nm reactor-synthesised SPION, clearly indicating the presence of the dextran shell surrounding the iron-oxide core. Note, different reactions conditions were used from those reported in the main text to attain the higher particle size.

File V1 – Video recording showing droplet reactor in operation.