

Supplementary Materials

New product from old reaction: uniform magnetite nanoparticles from iron-mediated synthesis of alkali iodides and their protection from leaching in acidic media

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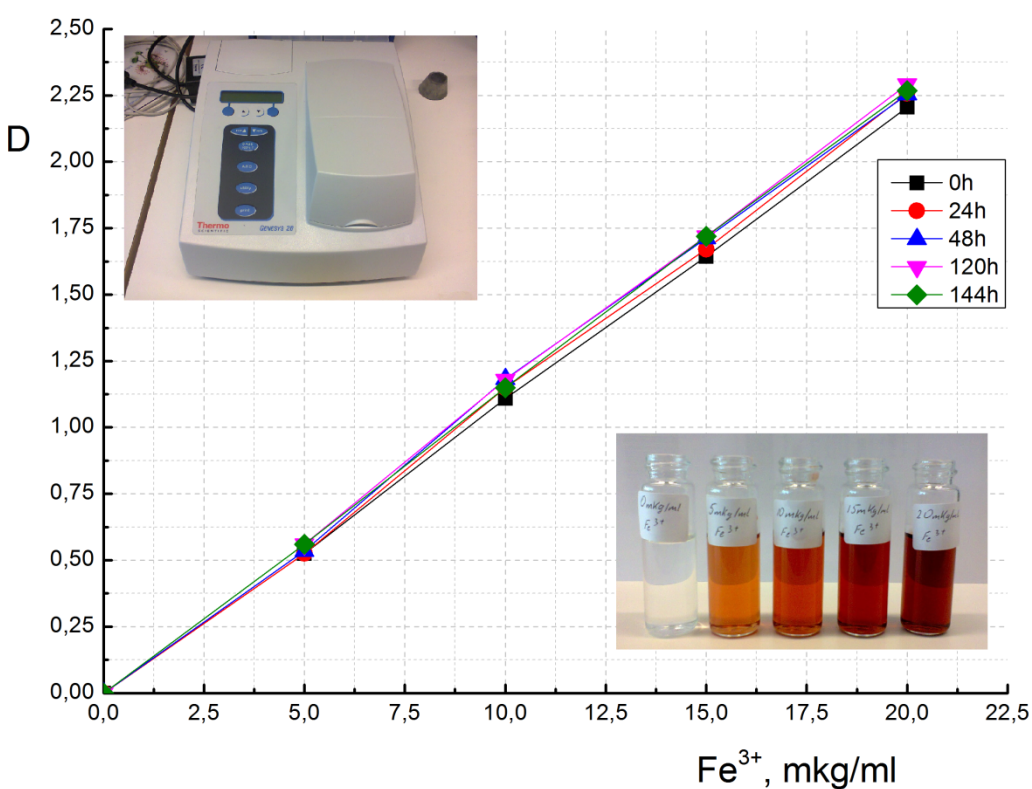


Figure FS1. Calibration curve for determination of iron (III) concentration and evaluation of its stability in time.

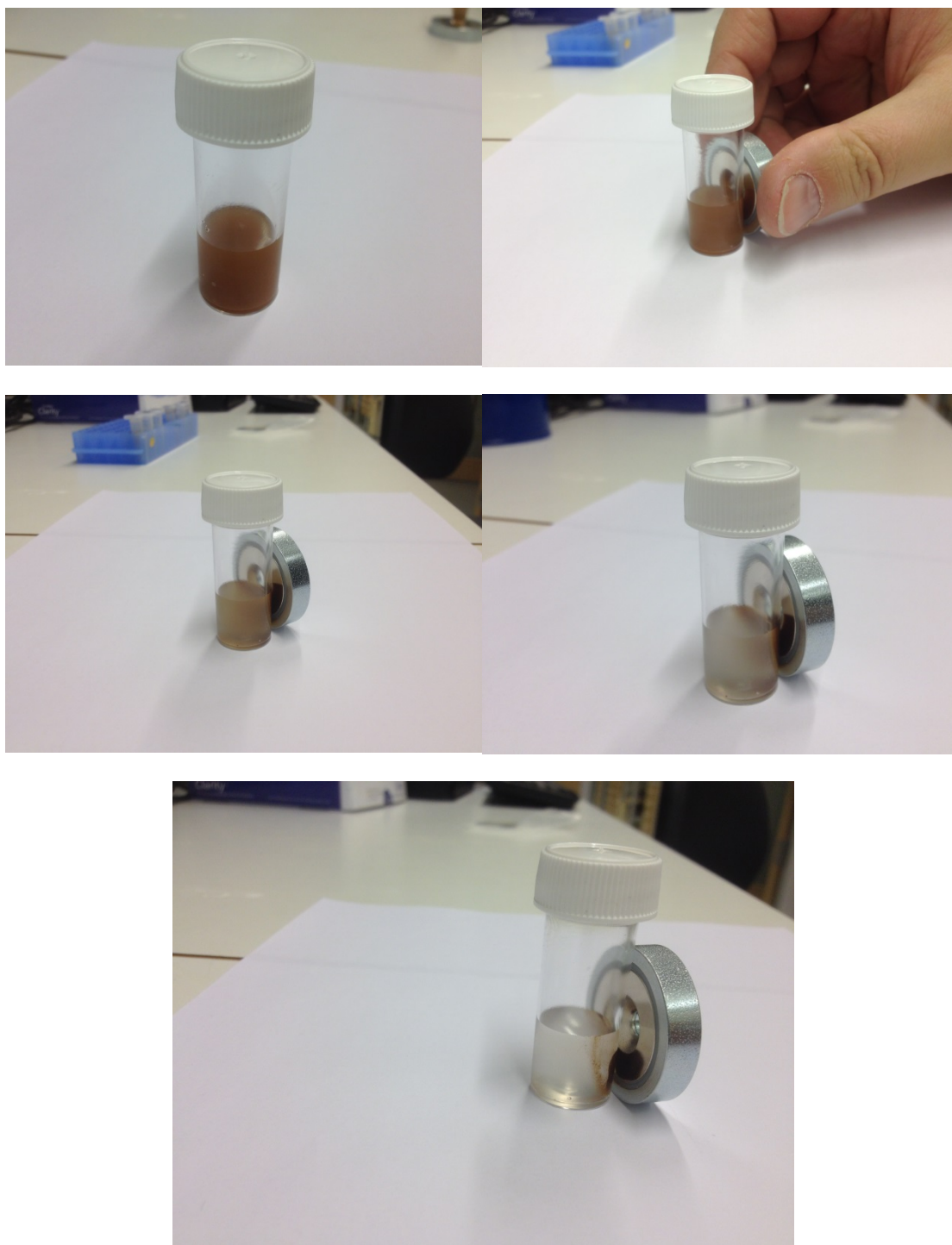


Figure FS2. Magnetic extraction of the $\text{Fe}_3\text{O}_4:\text{SiO}_2 = 1:20$ nanoparticles. Two images above are for the initial dispersion, the images that follow are taken each 10 s. Total time until obtaining visually clean solution is 30 s.