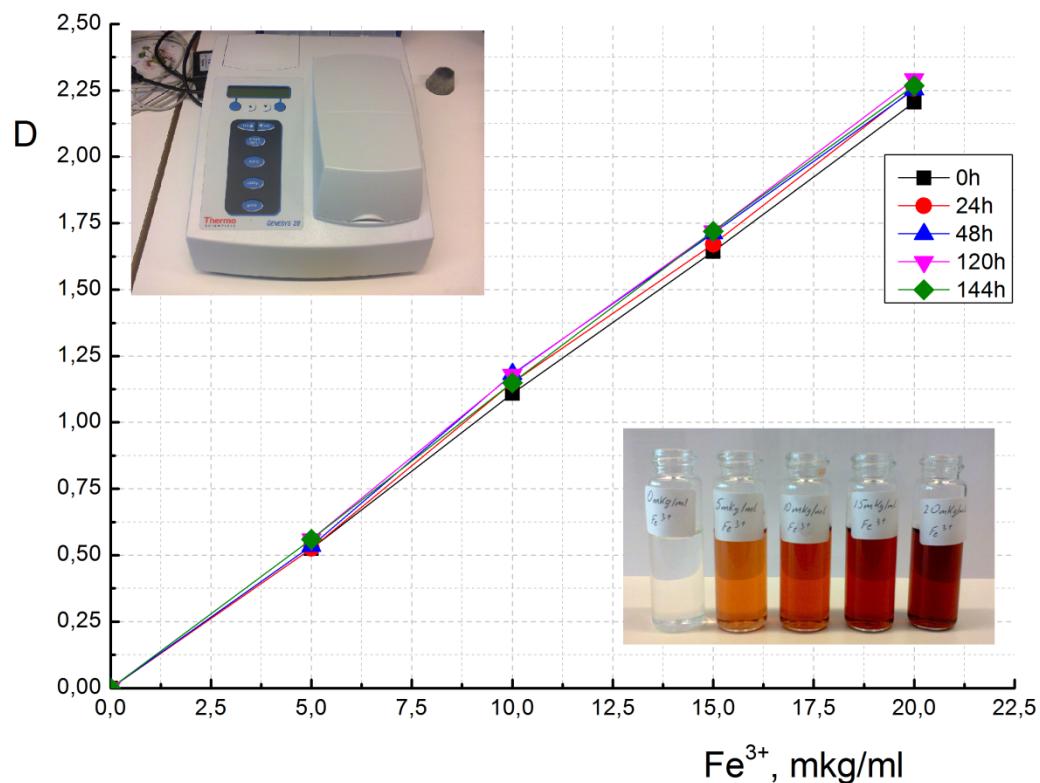


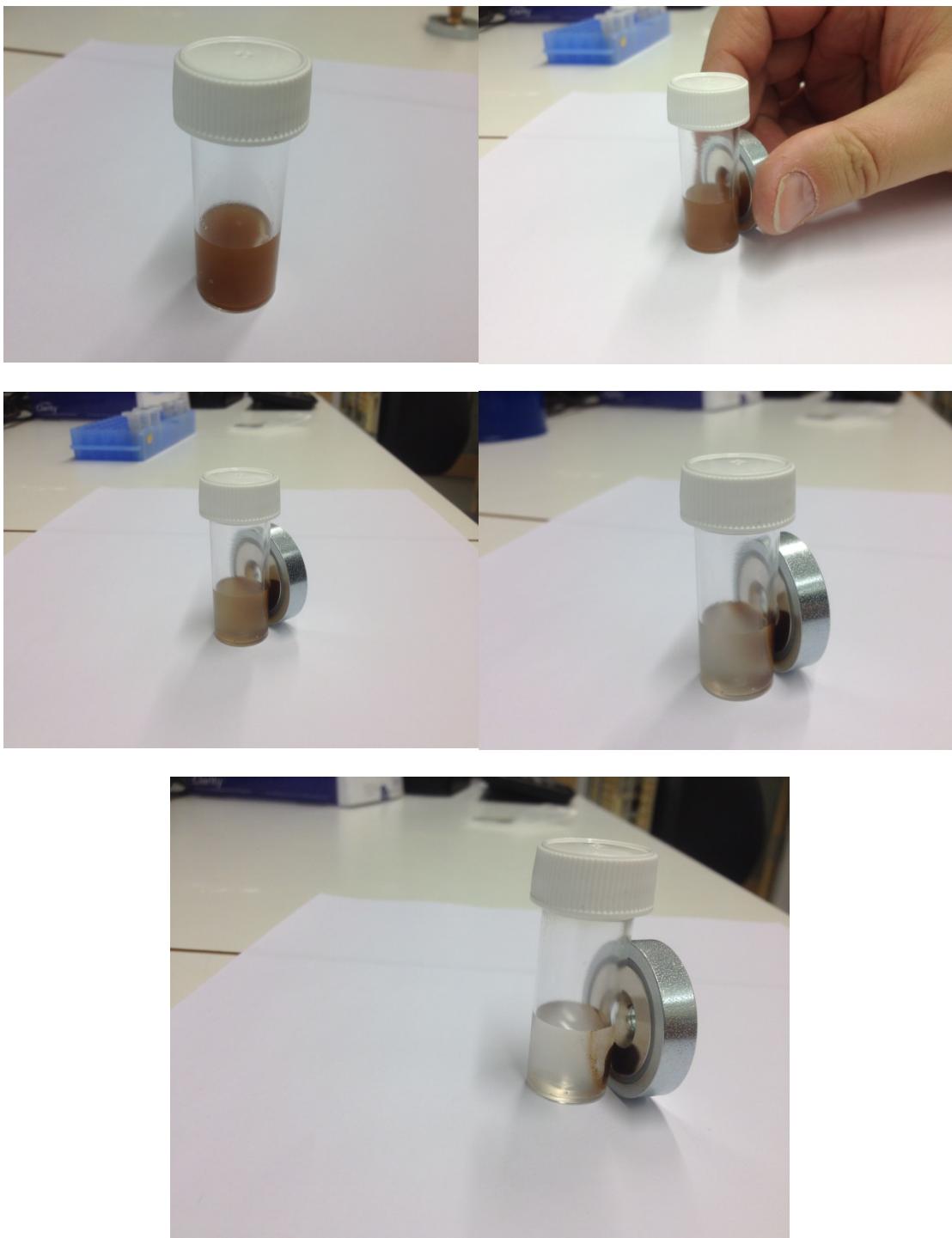
## Supplementary Materials

### 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.