## Supporting Information for:

## Novel Synthesis of Superparamagnetic Magnetite Nanoclusters for

## **Biomedical Applications**

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**Figure S1 A** and **B:** TEM images of self assembled of magnetite nanoclusters prepared at 0:1 TREG:TREA (v/v) ratio.



**Figure S2. A.** TEM image of dumbbell shaped magnetite nanoclusters prepared at 1:1 (v/v) TREG:DEA ratio. **B.** TEM image of self assembled of dumbbell shaped magnetite nanoclusters prepared at 0:1 TREG:DEA (v/v) ratio.



**Figure S3.** DLS measurements of the MNC-14 nanoclusters suspended in fetal bovine serum (100% FBS) **A.** particle size histograms measured at 0 h and **B.** particle size variation up to 24 h.