**Supplementary materials for the article**

“Factors affecting labeling of NIH 3T3 cells by magnetic nanoparticles”

(Kandarakov et al.)

****

**Fig. S1.** Scheme of synthesis and surface modification of MNPs.



**Fig. S2.** Attenuated total reflection (ATR) spectra of MNPs-1 – MNPs-5 (on the selected sections of spectra curves of MNPs-1 and MNPs-2 baselines were drawn relative to which integrated intensities of analytical bands of O–H and Fe–O vibrations were measured).



**Fig. S3.** Thermogravimetric analysis (TGA) data of MNPs-1 – MNPs-5 samples (the selected sections of MNPs-1 and MNPs-2 curves in the temperature range 160-380 °С correspond to weight loss of samples related to the removal of OH groups).