

Submicron-sized nanocomposite Magnetic-sensitive Carriers: controllable Organ Distribution and Biological Effects

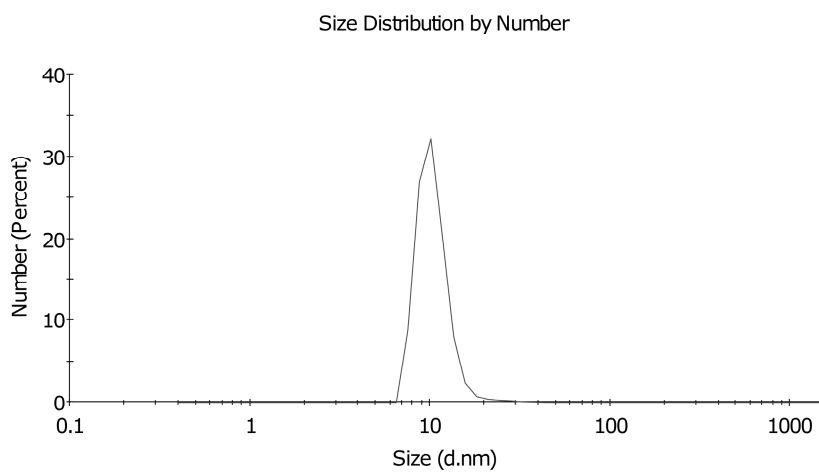


Figure S1 –DLS of magnetite particles

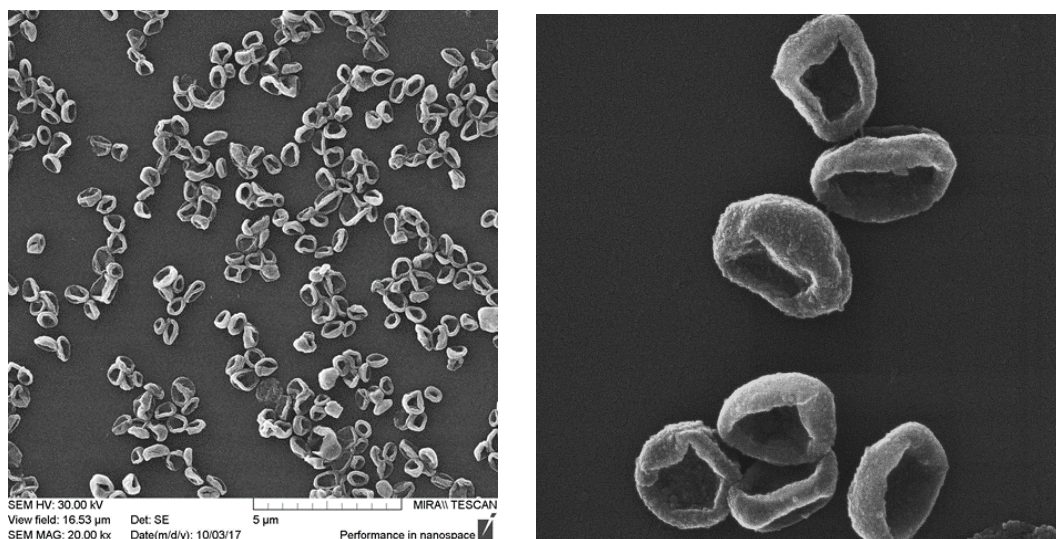


Figure S2 – SEM images of BSA/TA capsules (without MNPs)

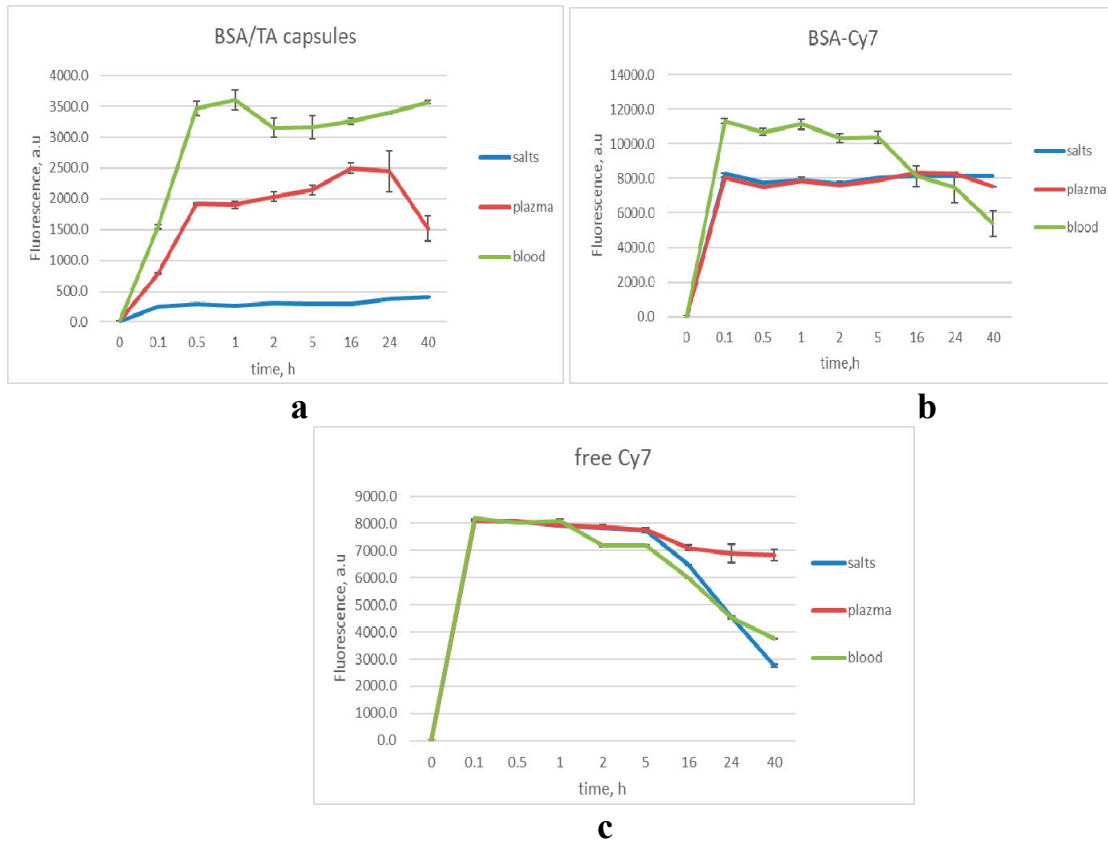


Figure S3 - The effect of various biological fluids on the carrier stability

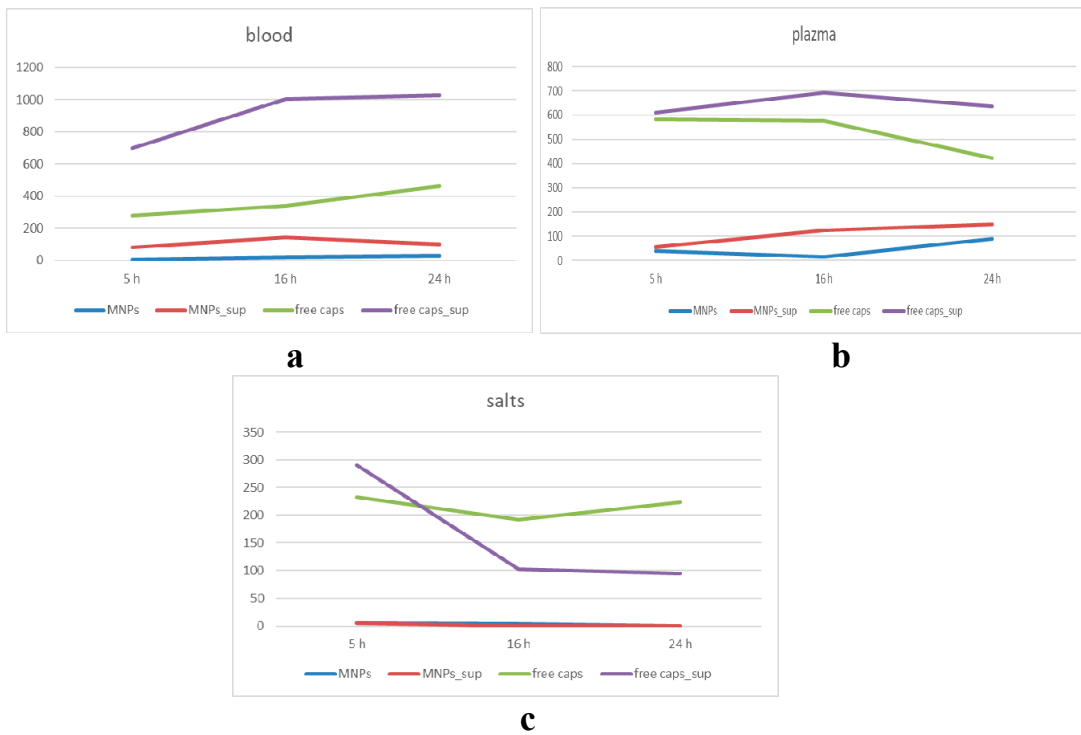


Figure S4 - The effect of various biological fluids on the MNPs (BSA/TA) carrier stability after centrifugation

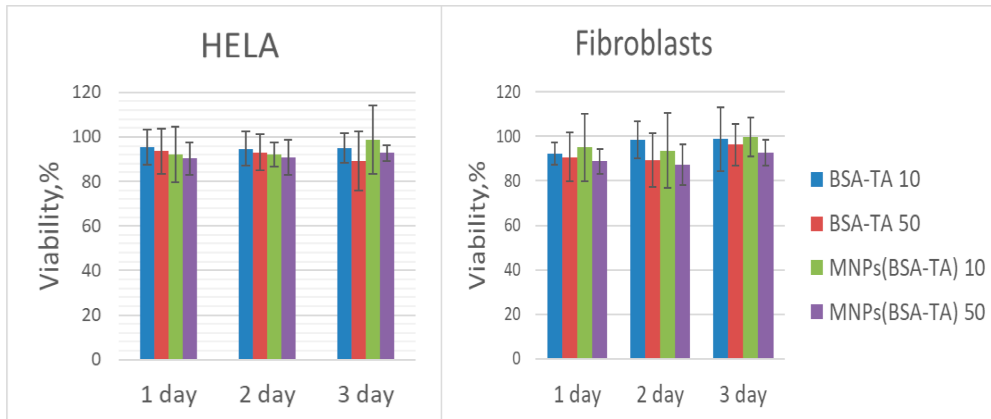


Figure S5 - The percent of viable cells (a- Hela, b- fibroblasts) after incubation (free cells set as 100%), with added BSA-TA and MNPs(BSA-TA) carriers measured by Alamar blue method. The carriers were added to cells at concentration from 10 to 50 capsules per cell.

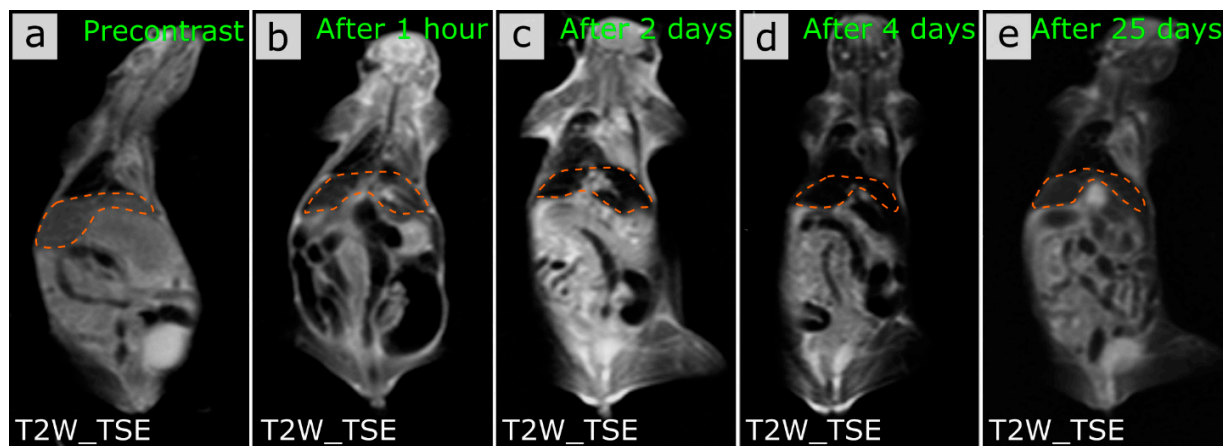


Figure S6 - MR T2 images of mouse before and 1 hour, 2, 4, 25 days after intravenous injection of a microcapsule suspension. The dotted orange line shows the area of the liver