

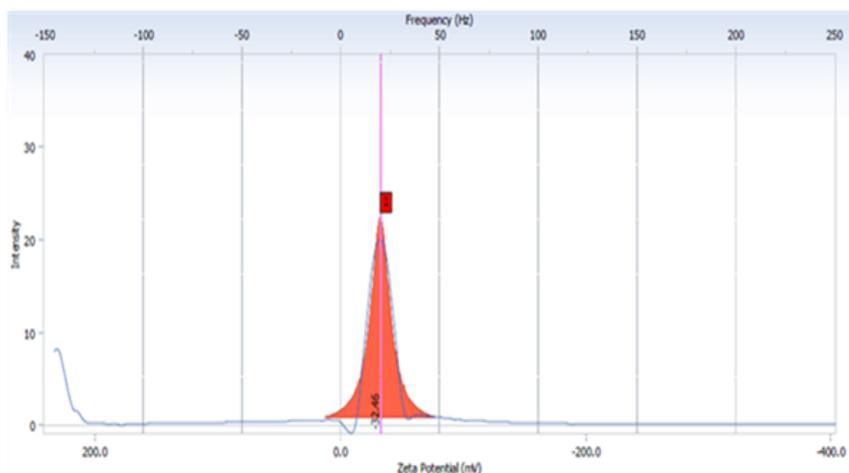
Supporting Information:

Dextran Stabilized Lanthanum Strontium Manganese Oxide Nanoparticles for Magnetic Resonance Imaging

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1. Zeta Potential

a)



b)

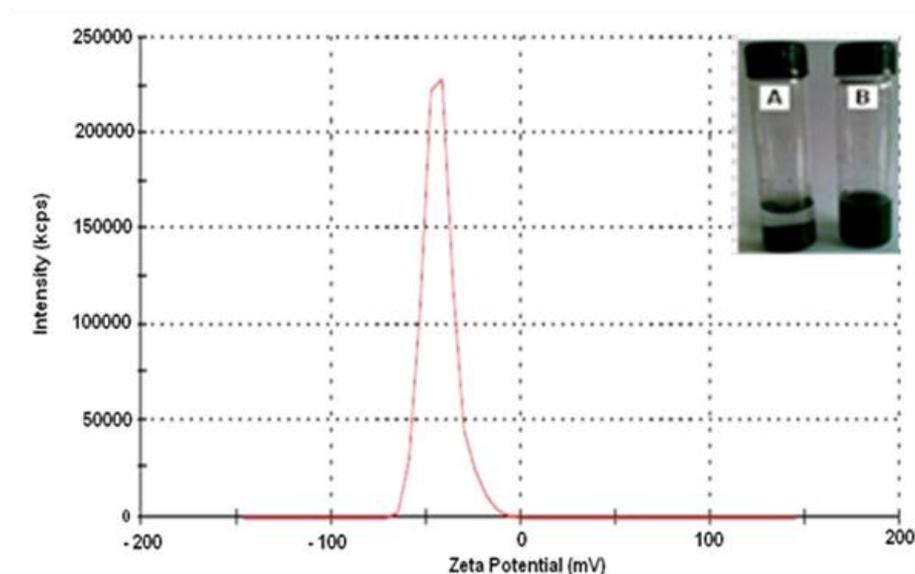


Fig. S1 a) Zeta Potential measurement using dynamic laser light scattering shows -32.64 mV potential of LSMO nanoparticles dispersed in distilled water b) Zeta Potential measurement shows -42 mV potential of Dex-LSMO nanoparticles dispersed in distilled water. Inset shows images A) bare LSMO nanoparticles agglomeration and settlement B) the homogenous suspension of Dex-LSMO nanoparticles dispersed in aqueous medium.

2. Thermogravimetric analysis

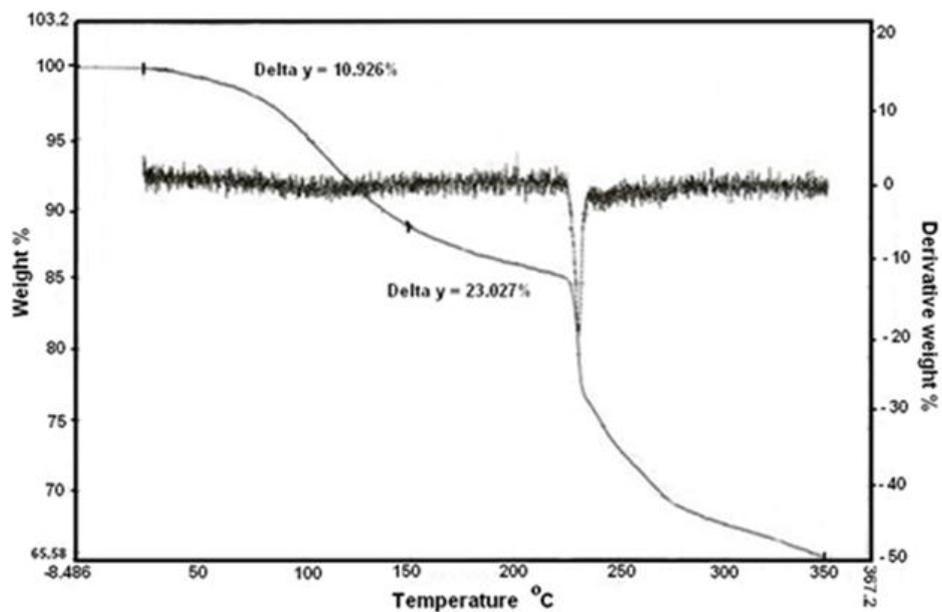


Fig.S2 Thermogravimetric analysis of Dex-LSMO nanoparticles showing two weight loss steps between 25 to 150°C and 150°C to 350°C with weight losses of 10.926% and 23.027%, respectively.

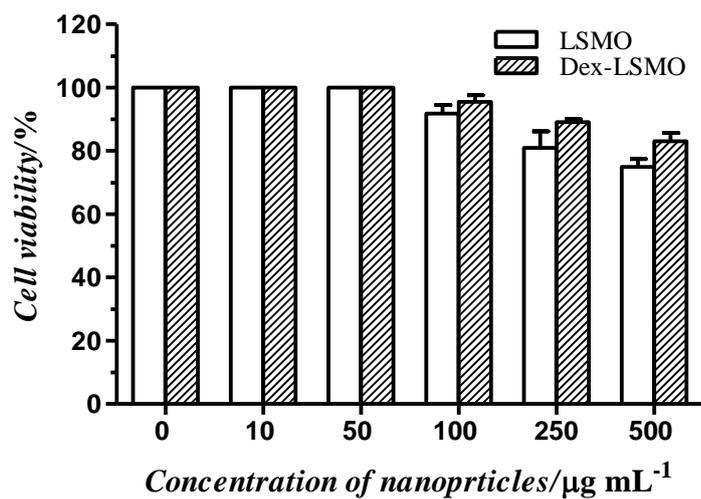


Fig.S3 *In vitro* cell viability of B16F1 cell exposed to different concentrations of LSMO and Dex-LSMO nanoparticles for 24 h.

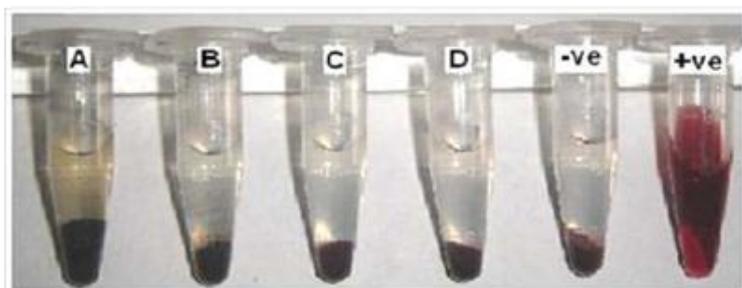


Fig S4. Hemolysis test for Dex-LSMO NPs at concentrations of 200 mg mL^{-1} (A), 30 mg mL^{-1} (B), 5 mg mL^{-1} (C) and 1 mg mL^{-1} (D), PEG and TritonX-100 have been used as Negative control (-Ve) and positive control (+Ve), respectively.