

Polydopamine Coated Nonspherical Magnetic Nanocluster for Synergistic Dual Magneto-Photothermal Cancer Therapy

Gracia García-García^{1,2,3,*}, Marina Lázaro^{3,4,5}, Pedro Urquiza⁶, Tania Romacho^{1,2}, Ángel V. Delgado^{3,4,5,7} and Guillermo R. Iglesias^{3,4,5,7,*}

¹ Department of Nursing, Physiotherapy and Medicine, University of Almería, 04120 Almería, Spain; tromacho@ual.es

² Chronic Complications Diabetes Lab (ChroCoDiL), University of Almería, 04120 Almería, Spain

³ NanoMag Lab, Department of Applied Physics, Faculty of Science University of Granada, Planta-1, Edificio I+D Josefina Castro, Av. de Madrid, 28, 18012 Granada, Spain; marinalc@ugr.es (M.L.); adelgado@ugr.es (Á.V.D.)

⁴ Department of Applied Physics, School of Sciences, University of Granada, 18071 Granada, Spain

⁵ Biosanitary Research Institute of Granada (ibs.GRANADA), University of Granada, 18001 Granada, Spain

⁶ Torrecárdenas University Hospital, Biomedical Research Unit-Biotechnology Laboratory, C/Hermandad de Donantes de Sangre s/n, 04009 Almería, Spain; pu36@drexel.edu

⁷ MNat Unit of Excellence, University of Granada, 18001 Granada, Spain

* Correspondence: graciagg@ual.es (G.G.-G.); iglesias@ugr.es (G.R.I.)

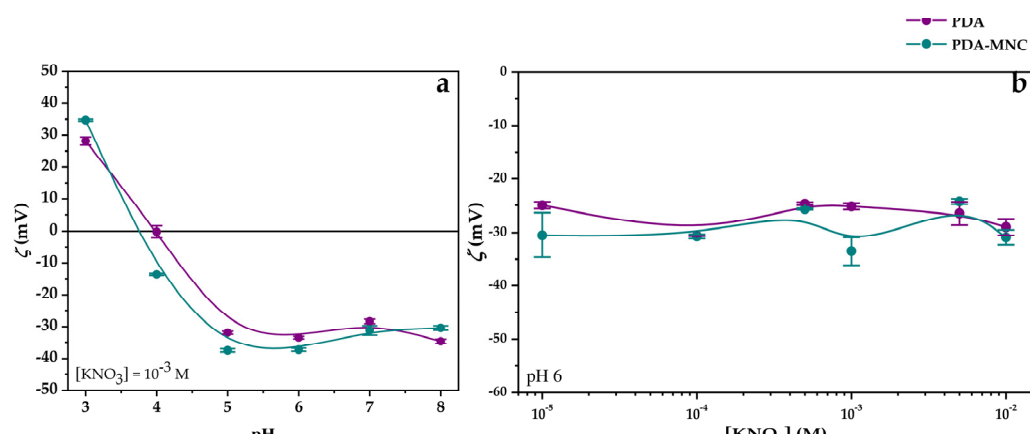


Figure S1. Zeta potential (ζ , mV) of the PDA and PDA-MNC particles as a function of (a) pH and (b) the KNO_3 molar concentration.

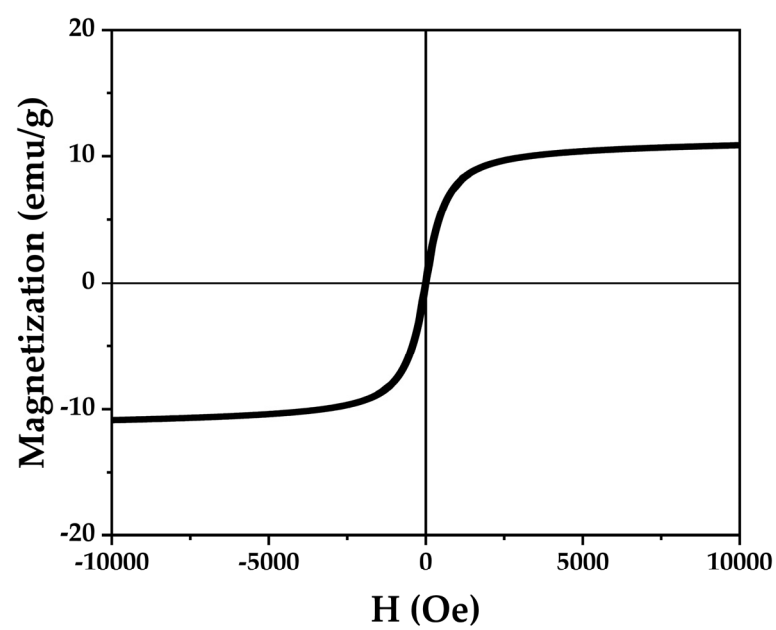


Figure S2. Magnetization curves of the obtained PDA-MNCs performed at 300 K.