

ELECTRONIC SUPPORTING INFORMATION

Dually sensitive dextran-based micelles for methotrexate delivery

B. Blanco-Fernandez,^{a,b,c,*} A. Concheiro,^a H. Makwana,^b F. Fernandez-Trillo,^{b,d} C. Alexander^b and C. Alvarez-Lorenzo^a

^a Departamento de Farmacia y Tecnología Farmacéutica, R+DPharma Group (GI-1645), Facultad de Farmacia, Universidade de Santiago de Compostela, 15782 Santiago de Compostela, Spain.

^b School of Pharmacy, Boots Science Building, University of Nottingham, University Park, Nottingham NG7 2RD, UK.

^c Current Address: Department of Radiology, Michigan State University, East Lansing, 48823, USA.

^d Current Address: School of Chemistry, University of Birmingham, Birmingham B15 2TT, UK.

*Corresponding author: barbara.blanco.fernandez@gmail.com; Carmen.alvarez.lorenzo@usc.es; phone: +34 881 815239; fax: +34 981 547148.

ELECTRONIC SUPPORTING INFORMATION

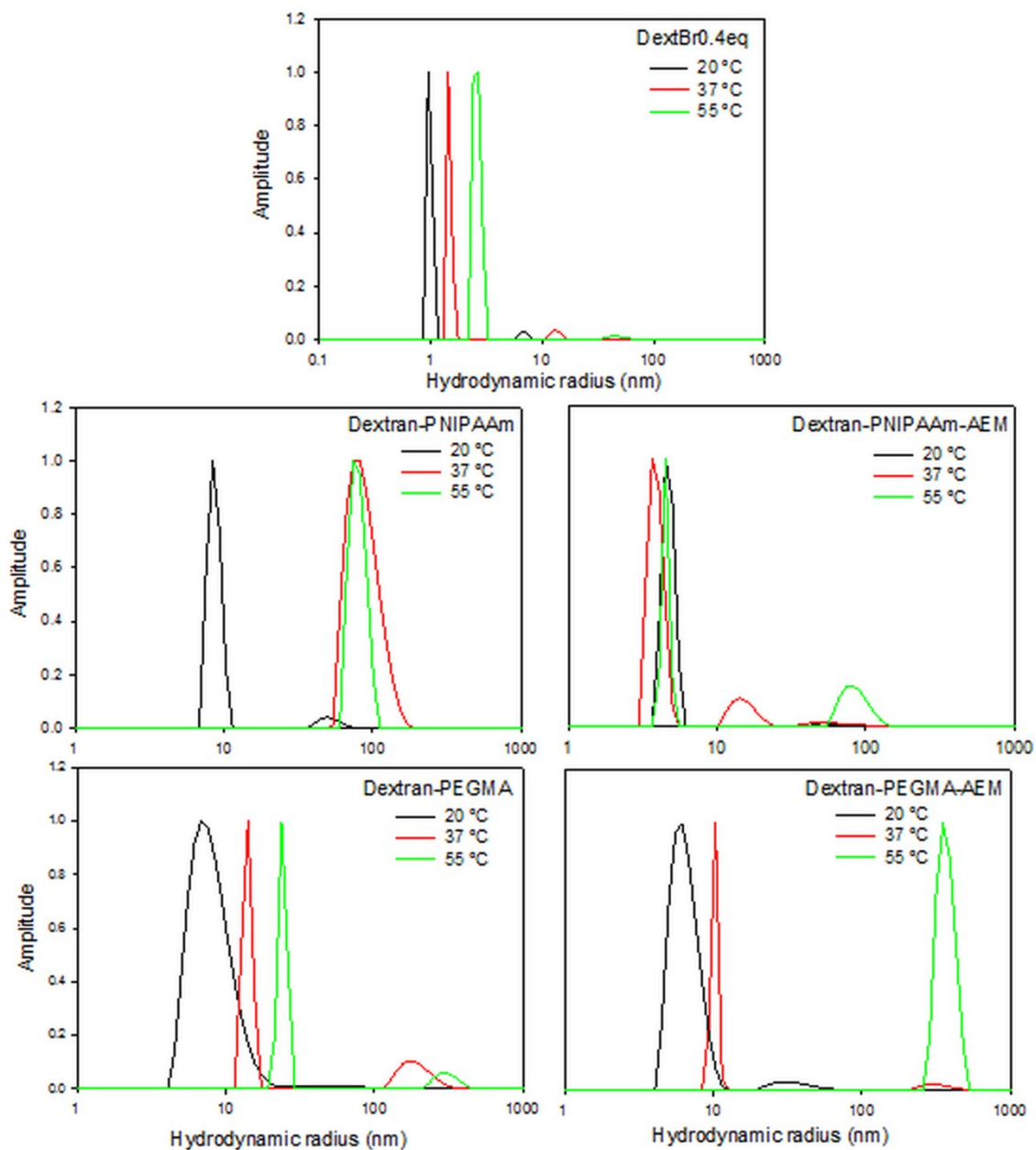


Fig. S1 Hydrodynamic radius of DextBr0.4eq, dextran-PNIPAAm, dextran-PNIPAAm-AEM, dextran-PEGMA and dextran-PEGMA-AEM solutions in PBS (0.5 mg/mL) at 20, 37 and 55 °C determined by DLS.

ELECTRONIC SUPPORTING INFORMATION

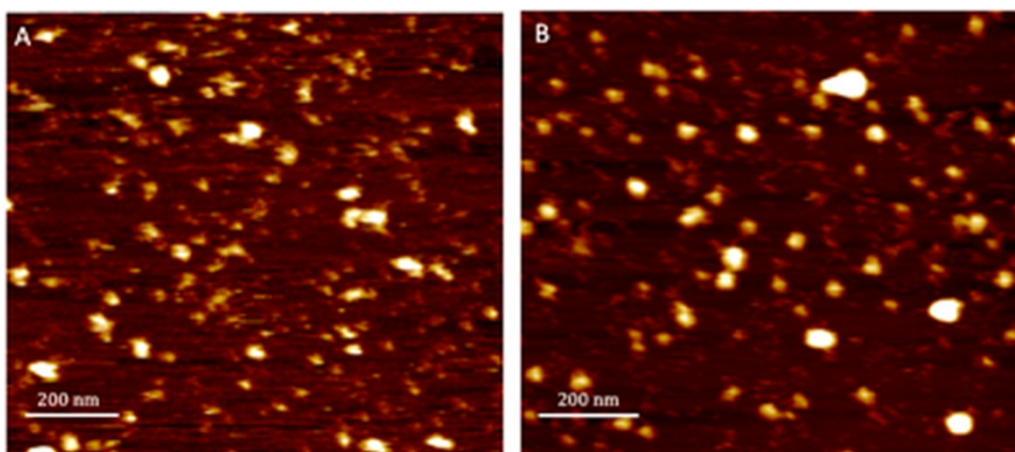


Fig. S2 AFM micrographs of dextran-PNIPAAm-AEM at 20 °C (A) and 37 °C (B).