Supporting Information

Controlled drug release under a low frequency magnetic field: effect of the citrate coating on magnetoliposomes stability

Silvia Nappini, Massimo Bonini, Francesca Baldelli Bombelli, Francesco Pineider, Claudio Sangregorio, Piero Baglioni[a] and Bengt Nordèn*[b]

Cryo-TEM of MagnetoLiposomes

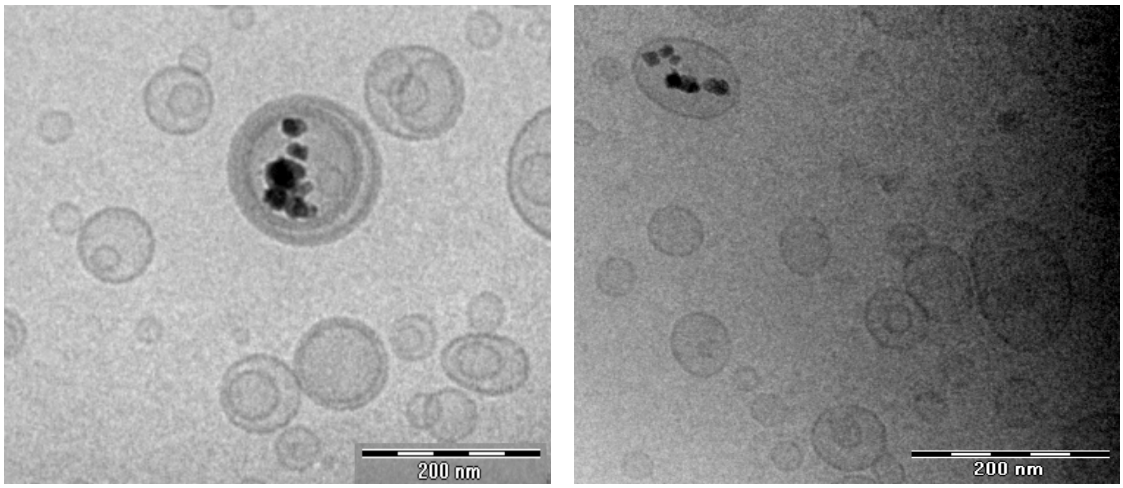


Figure S1. Cryo-TEM images of magnetoliposomes

AC Measurements

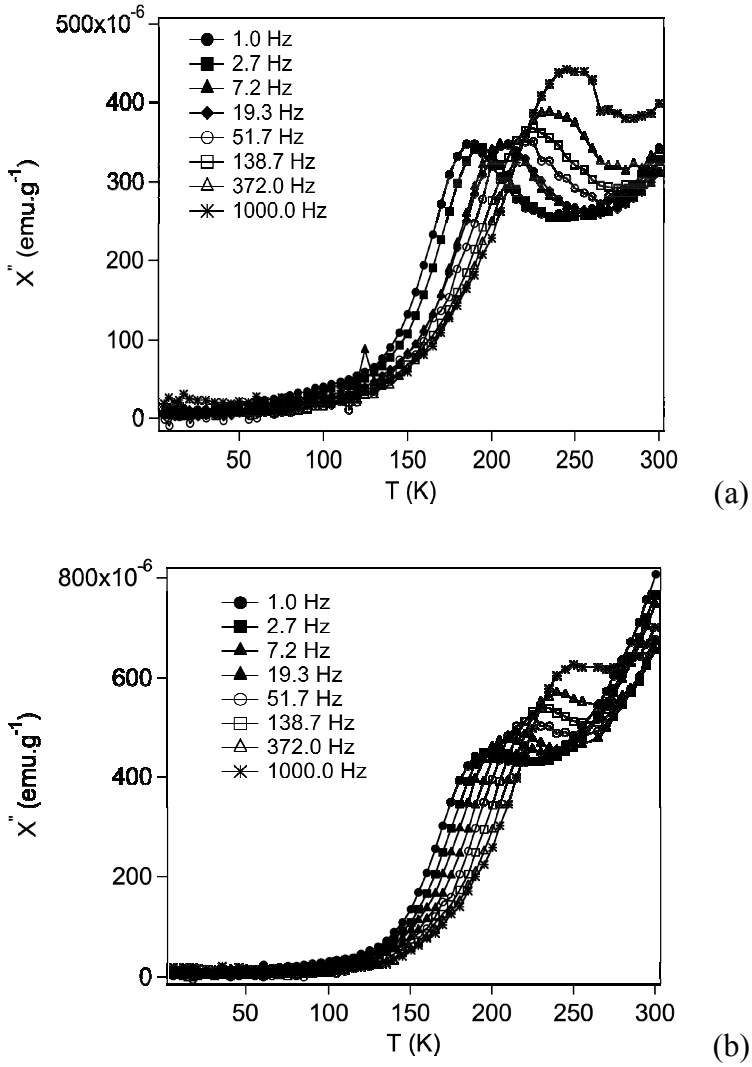


Figure S2. AC measurements on powder samples of (a) citrate coated and (b) uncoated Cobalt ferrite nanoparticles

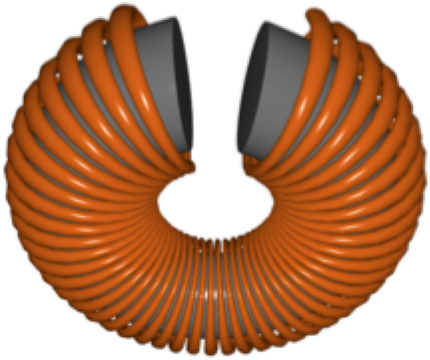
LF-AMF Setup

Figure S3. Picture of the broken toroidal magnet used to apply the LF-AMF.

Magnetic Field at Different Positions

- **A** ≈ 270 mT
- **B** ≈ $\mathbf{B^I}$ ≈ 100 mT
- **C** ≈ $\mathbf{C^{II}}$ ≈ 280 mT
- **D** ≈ $\mathbf{D^I}$ ≈ $\mathbf{D^{II}}$ ≈ $\mathbf{D^{III}}$ ≈ 330 mT

10 V; 8 A



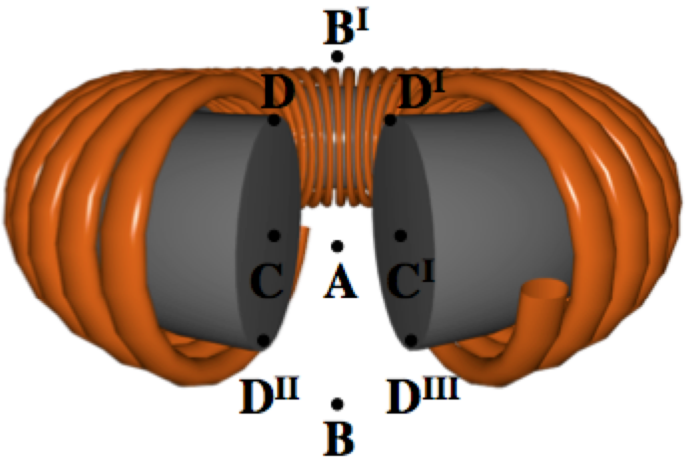


Figure S4. Magnetic field values at different positions of the broken toroidal magnet used to apply the LF-AMF. Magnetic field values were measured by means of a GM-07 Gaussmeter (HIRST Magnetic Instruments Ltd, UK).