Supplementary Material (ESI) for Molecular BioSystems


# Supporting Information

# Characterization of Fullerene Colloidal Suspension in a Cell Culture Medium for *in vitro* Toxicity Assessment

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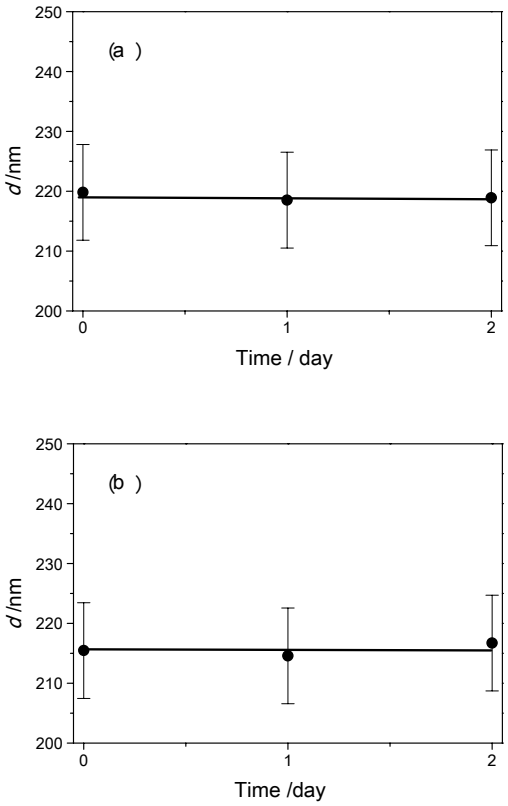


**Fig. S1** Plots of secondary nanoparticle diameter sizes vs. time (day) for (a) $C_{60}$ and (b) $C_{70}$. Neither of the fullerene suspensions showed a change in particle size over the measurement period, indicating no agglomeration.

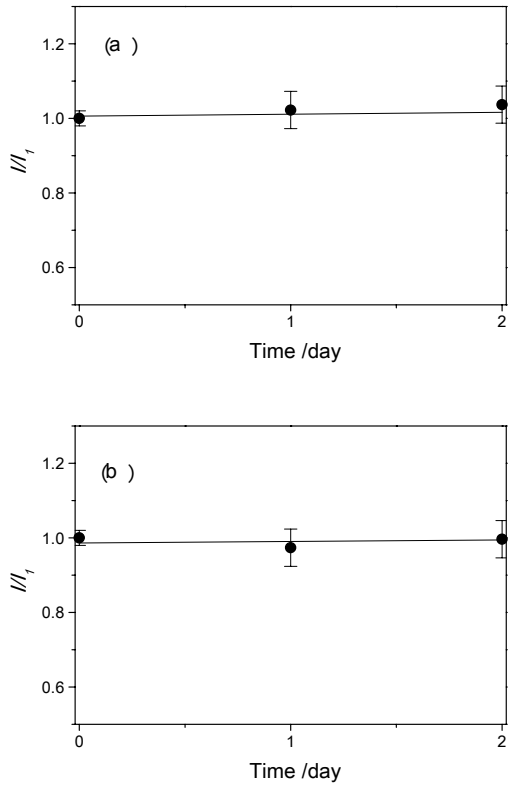


**Fig. S2** Plots of relative light scattering intensities for secondary nanoparticles over time (day) for (a) $C_{60}$ and (b) $C_{70}$. No changes in light scattering intensities were observed within the experimental error over the measurement time, indicating that gravitational settling of the $C_{60}$ and $C_{70}$ colloidal nanoparticles did not occur.

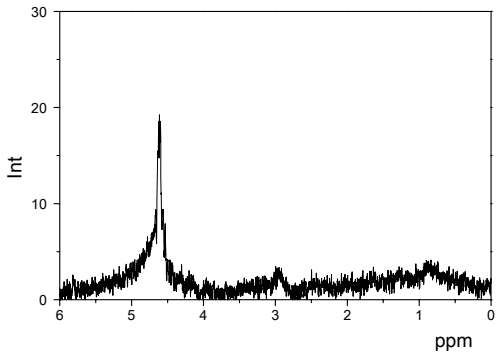


**Fig. S3** $^{1}$H NMR spectrum of DMEM-FBS collected with the PFGSTE pulse sequence at a gradient strength of 235 G cm$^{-1}$. The resonance at 4.7 ppm is the signal for water. The other signals are assigned to BSA molecules.

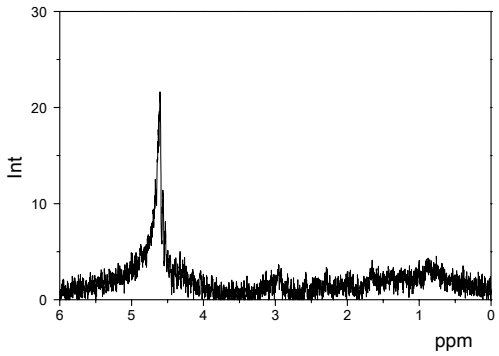


**Fig. S4** $^{1}$H NMR spectrum of collected with the PFGSTE pulse sequence at a gradient strength of 235 G cm$^{-1}$. The resonance at 4.7 ppm is the signal for water. The other signals are assigned to BSA molecules.