

Supporting Information for

An Ultra-Compact Nano-Theranostic PEG Platform for Cancer Applications

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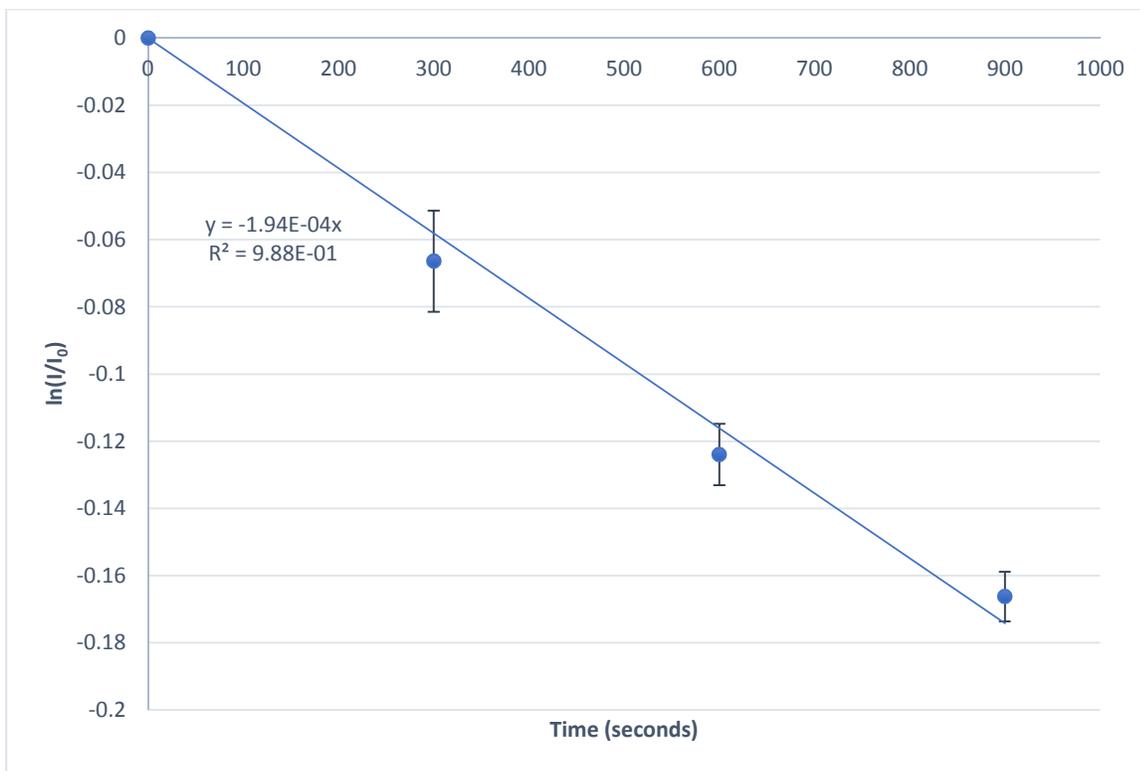


Figure S1: *k-value* plot of Ce6 encapsulated in PAAm NP as tracked by ADPA fluorescence quenching over time. The 660 nm OD = 0.12 in PBS; the slope of the plot is the *k-value*.

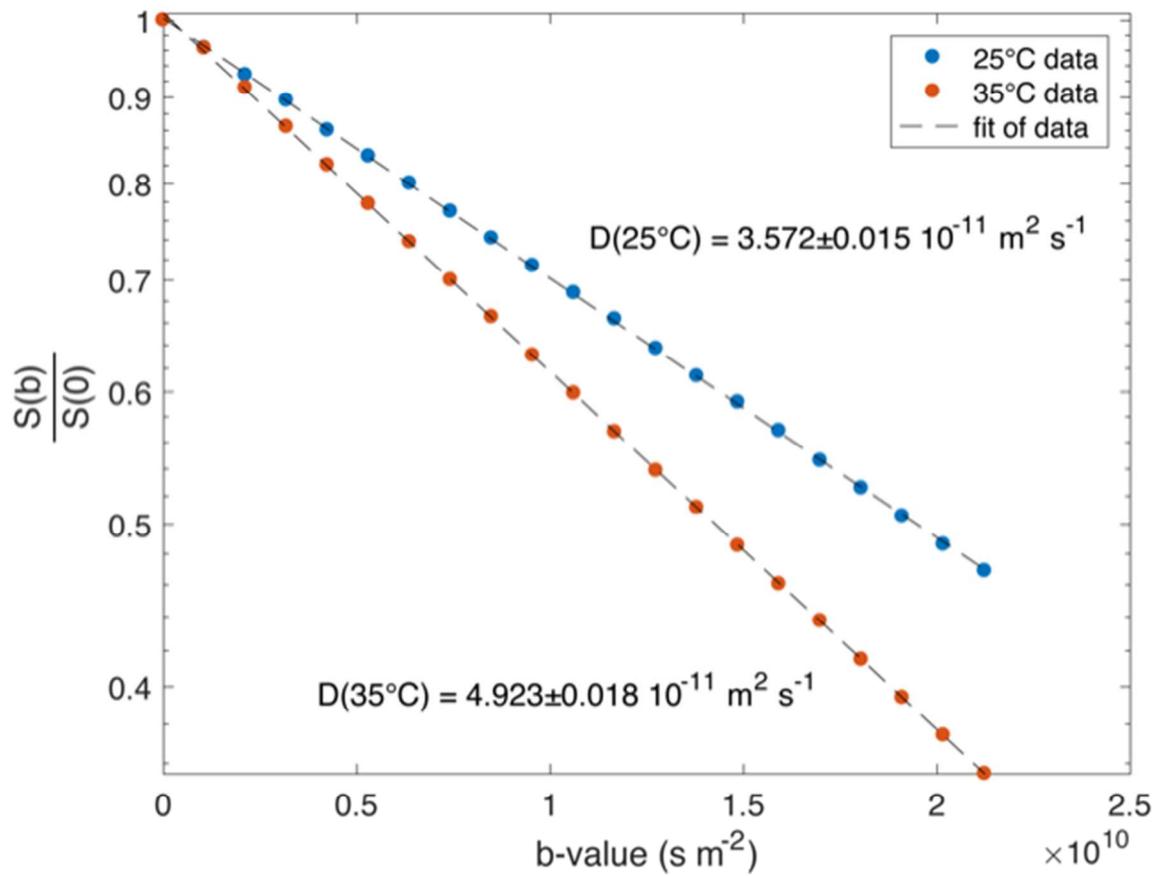
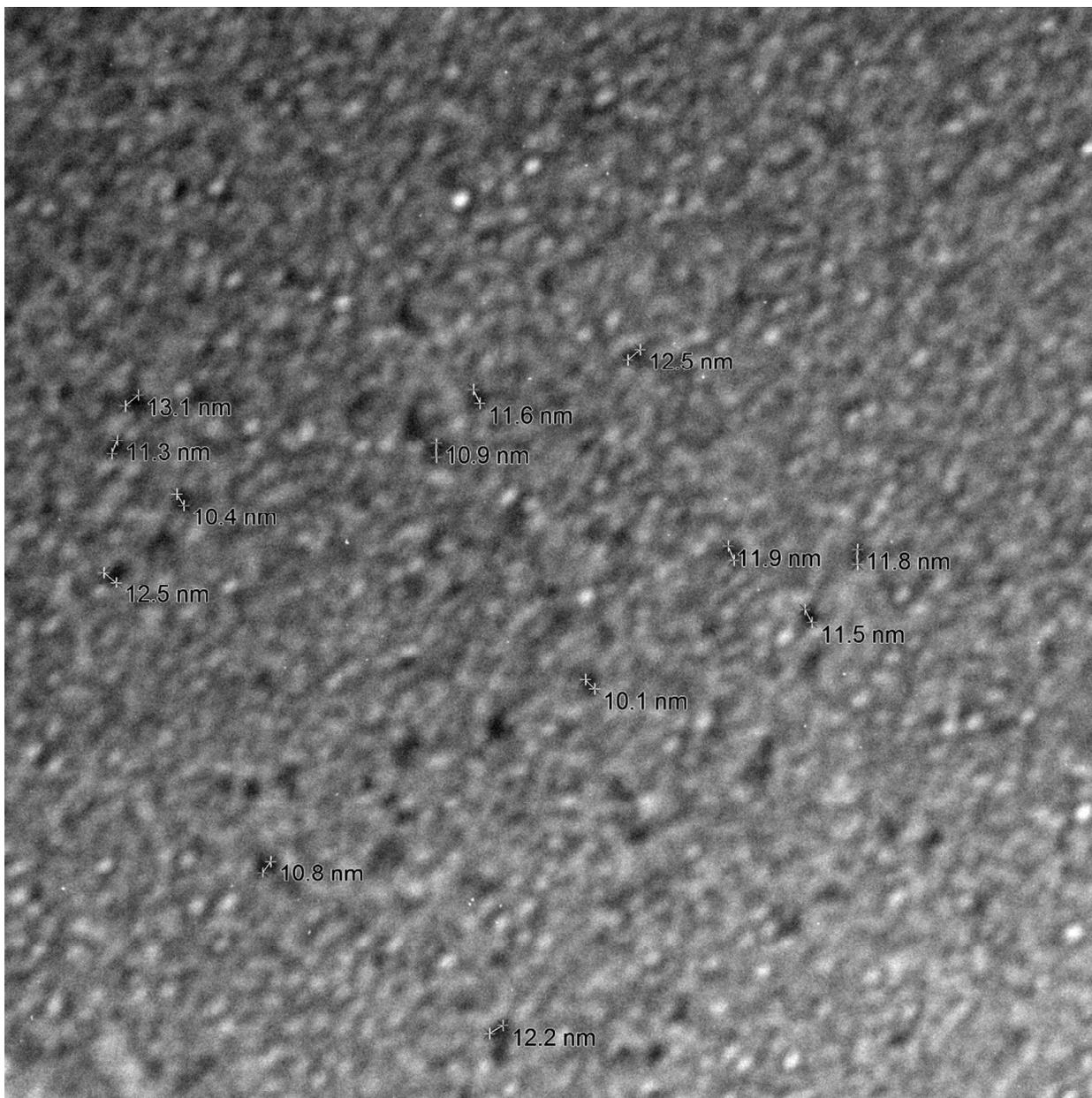


Figure S2: Plot of 8PEGA MR signal decay vs applied magnetic gradient (b value). The slope of the best fits corresponds with the transitional diffusion coefficient, D , in the Stokes-Einstein equation.



8pega stained.tif
Print Mag: 207000x @ 7.0 in
13:20:35 5/18/2018

100 nm
HV=90.0kV
Direct Mag: 30000x
Bottom Camera-MIL

Figure S3: TEM of 8PEGA stained with uranyl acetate. TEMs are taken by placing copper grids into the microscope while wet to utilize surface tension as a way of maintaining the hydrated 8PEGA conformation when exposed to the high vacuum environment. The low electronically dense material can be reasonably visualized.