

Synergistic effect of low molecular weight polyethylenimine and polyethylene glycol components in dynamic non-viral vectors structure, toxicity and transfection efficiency

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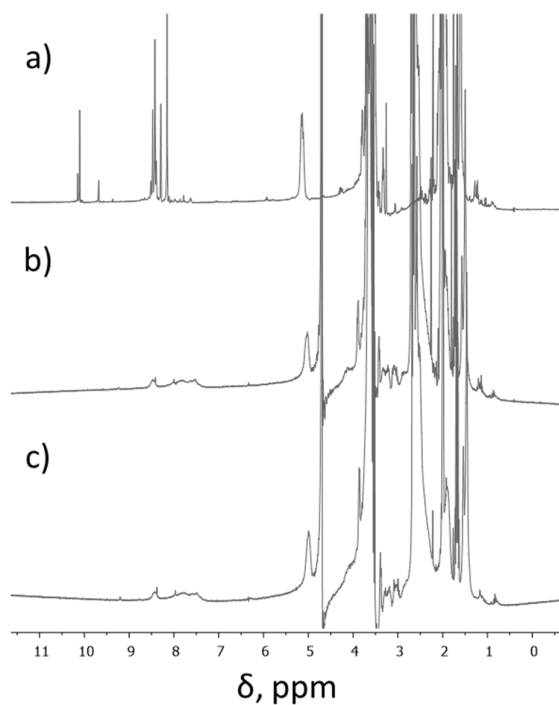


Figure S1. ¹H-NMR spectra of: a) Ia', Ib' intermediates in CD₃CN; b) F6 in D₂O, c) F7 in D₂O.

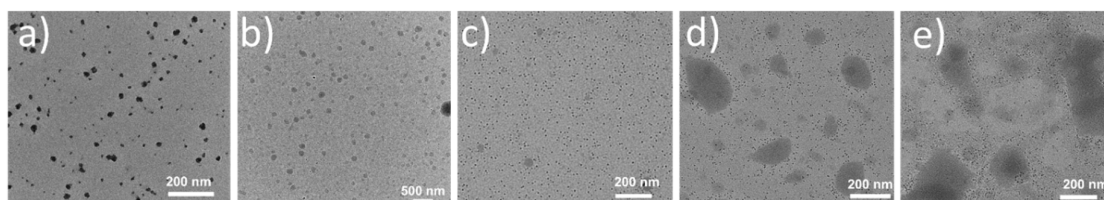


Figure S2. TEM images for the DCFs aqueous solutions: a) F1; b) F2; c) F3; d) F4; e) F5.

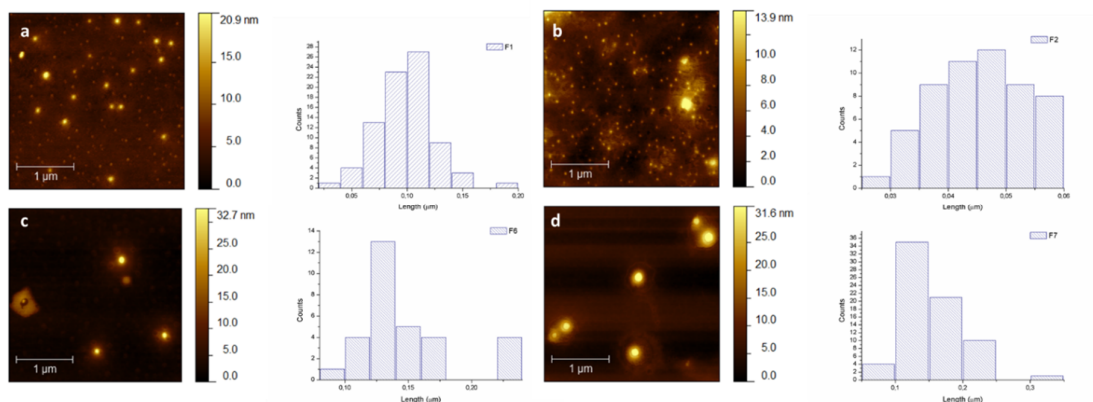


Figure S3. AFM images and corresponding average size distribution of the synthesized DCFs in water: a) F1 (~ 100 nm); b) F2 (~ 45 nm); c) F6 (~ 140 nm); d) F7 (~ 150 nm).

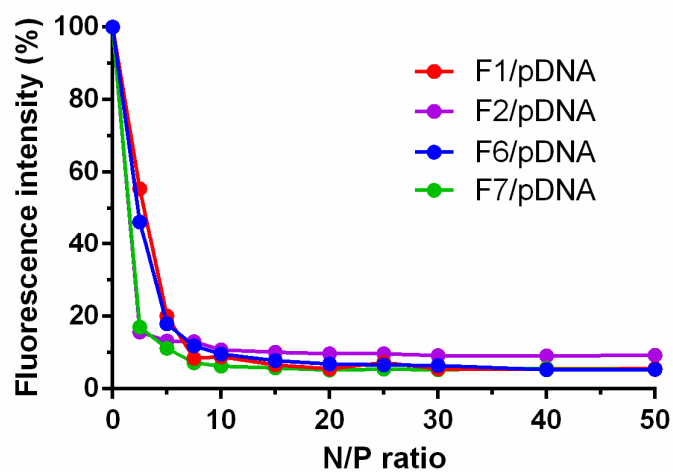


Figure S4. Gel Red dye exclusion assay. Fluorescence intensity of the Gel Red as a function of N/P ratio of formed polyplexes.