

Well-defined Block Copolymers for Gene Delivery to Dendritic Cells: Probing the Effect of Polycation Chain-length

Rupei Tang, R. Noelle Palumbo, Lakshmi Nagarajan, Emily Krogstad, Chun Wang*

Department of Biomedical Engineering, University of Minnesota, Minneapolis, MN 55455, USA

* Corresponding author: wangx504@umn.edu, Tel: (612) 626-3990, Fax: (612) 626-6583

Supplementary Materials

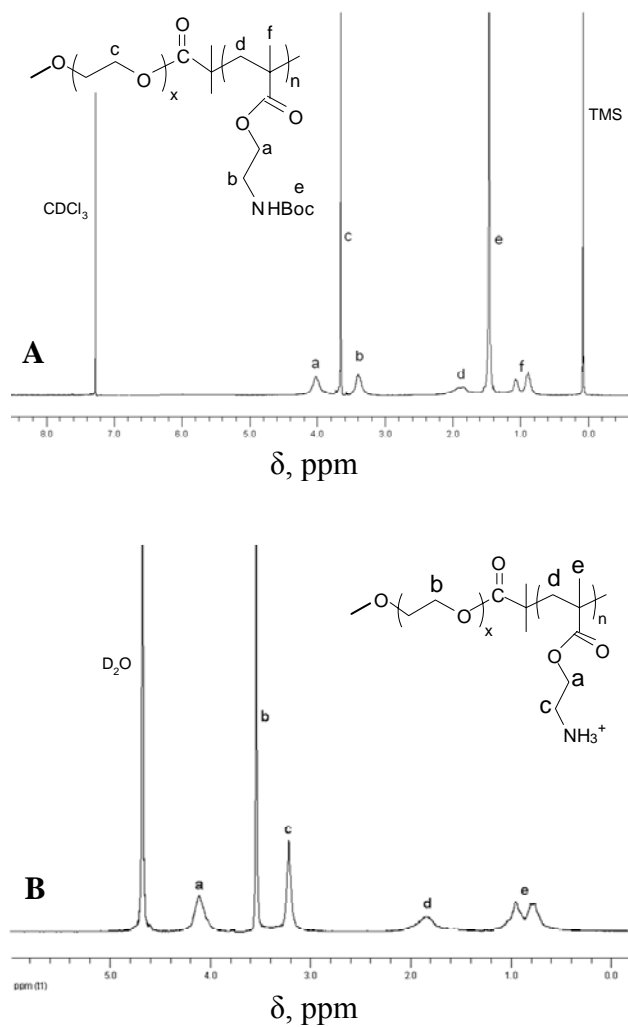


Fig. S1. The ¹H-NMR spectra of block copolymers PEG-*b*-PtBAM (A) in CDCl₃ and PEG-*b*-PAEM (B) in D₂O.

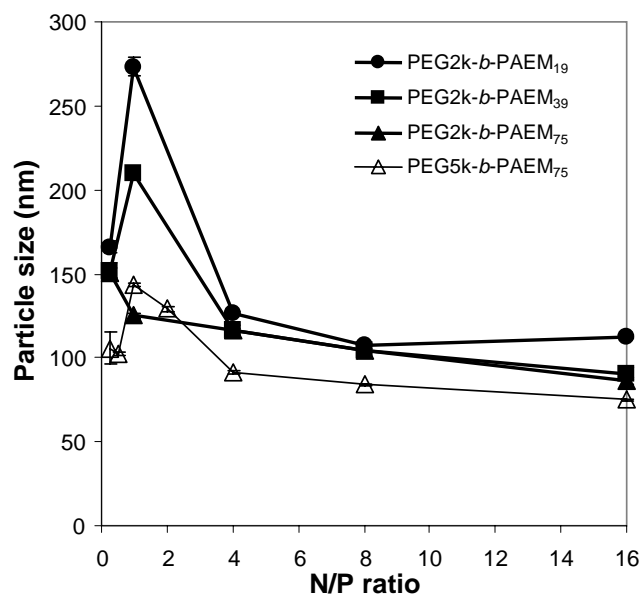


Fig. S2. The average particle size of polyplexes at various N:P ratios. Comparing PEG5k-*b*-PAEM75 with PEG2k-*b*-PAEM75, it is noted that the difference in particle size at N:P ratio of 1:1 is quite small, whereas the difference is much more pronounced among polymers with the same PEG block but different PAEM block.

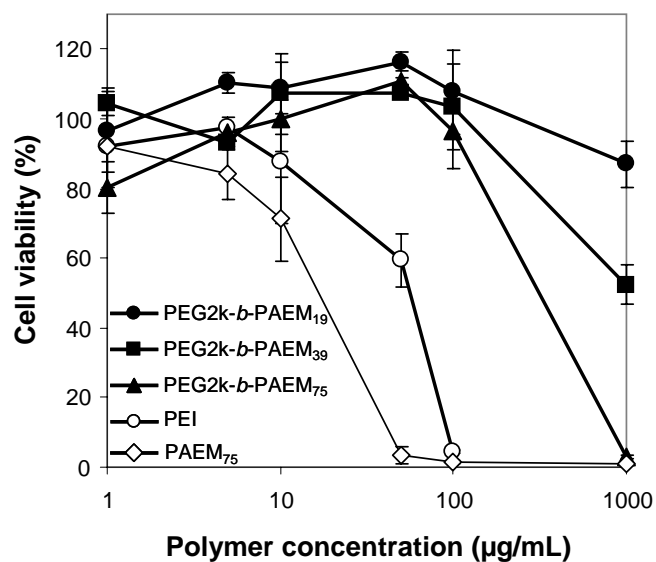


Fig. S3. Cytotoxicity of polymers to DC 2.4 cells determined by MTT assay.