

Supporting Information

Preparation and Characterization of Cross-linked Phospholipid Bilayer Capillary Coatings for Protein Separations

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Migration time reproducibility was measured on day 1 and day 10 in freshly cut and treated (see manuscript for description) bare capillaries. Additionally, the same protein mixture was used to assess migration time reproducibility in poly(bis-SorbPC) coated capillaries on day 1 and day 10. Following experiments on day 1, poly(bis-SorbPC) coated capillaries were rinsed with water and stored dry until use on day 10. As seen in Figure S-1, migration time reproducibility is enhanced for most analytes compared to bare capillaries. Additionally, all peaks in the protein mixture that were observed on day 1 were also observed on day 10 with poly(bis-SorbPC) coated capillaries, whereas some peaks are not observed for bare capillaries, supporting the enhanced protein detection capabilities of the polymer coated capillaries.

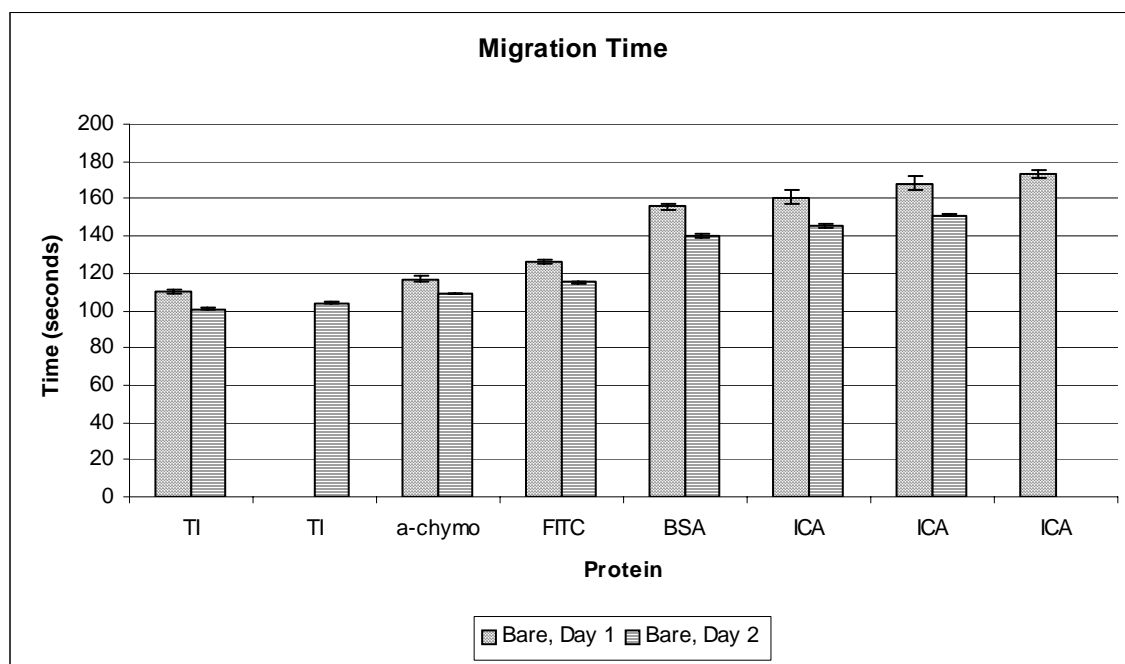
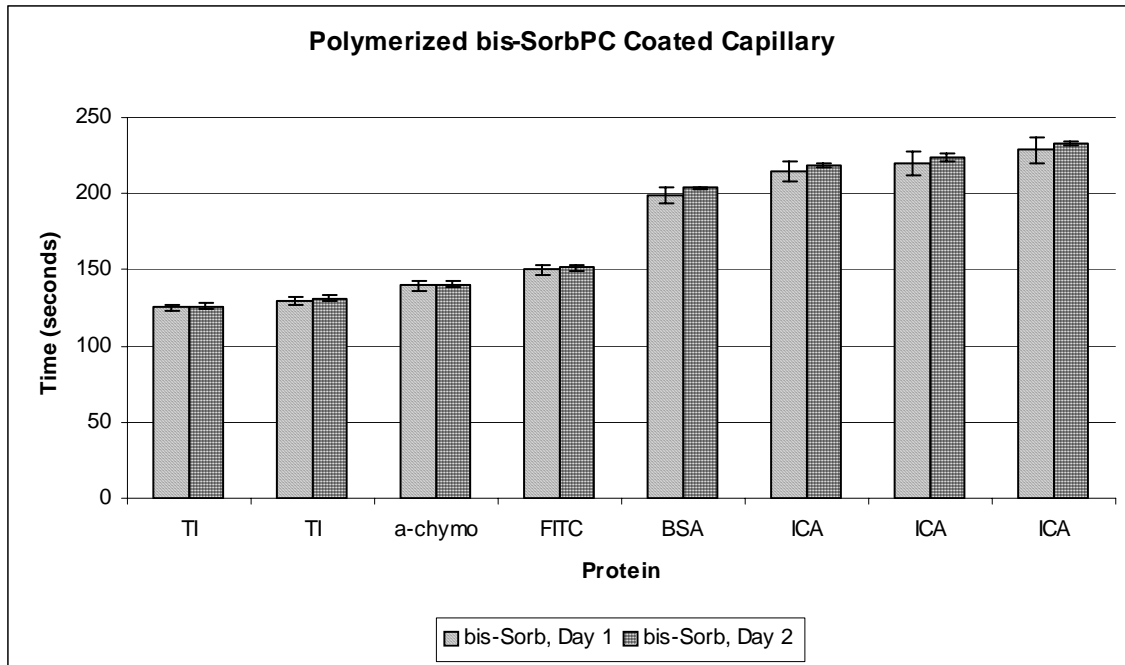


Figure S-1 – Migration time reproducibility in bare and poly(bis-SorbPC) coated capillaries.