

Supplementary Material

Development of a Membrane Solid-phase Extraction Method Based on Polyethyleneimine Modified MWNTs for On-line Extraction and Preconcentration of Acidic Proteins in Serum Samples

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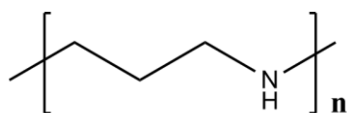


Fig. S-1 Structural formula of PEI.

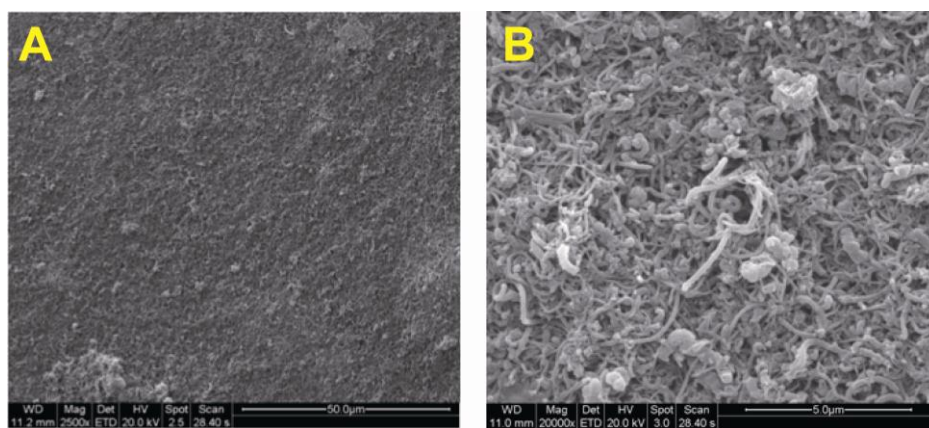


Fig. S-2 Scanning electron micrographs of the surface of PEI-MWCNTs composite layer magnified (A) 2500 and (B) 20000 times.

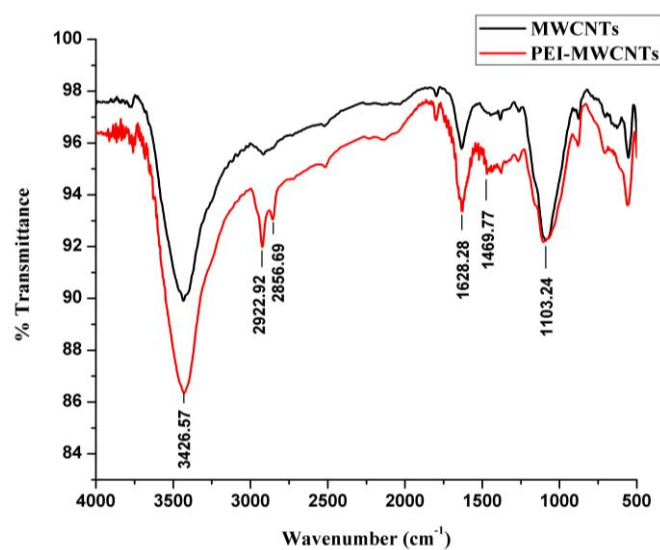


Fig. S-3 FTIR spectra of raw MWCNTs and PEI-MWNTs.

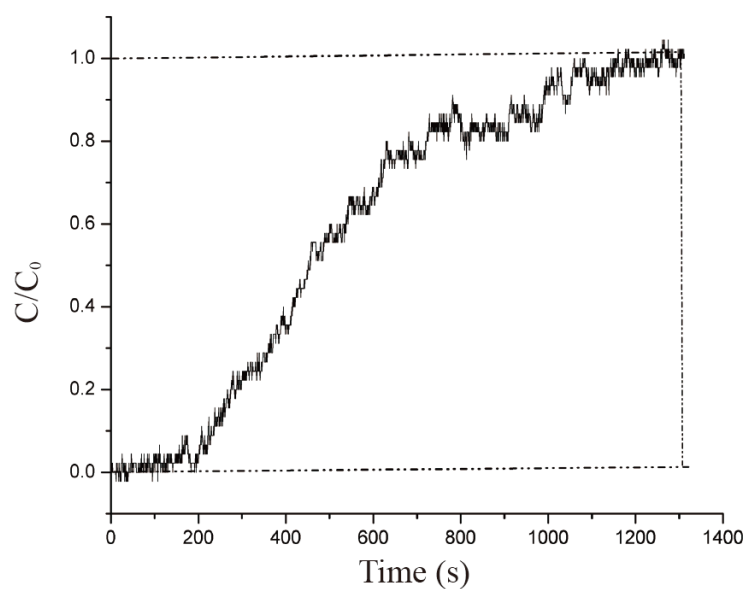


Fig. S-4 Kinetic curve of BSA adsorption on the PEI-MWCNTs membrane. Concentration of BSA: 50 µg/mL; flow rate of sampling: 18 µL/s.