

Supporting Information

Click Synthesis of Ionic Strength-Responsive Polyphosphazene

Hydrogel for Reversible Binding of Enzymes

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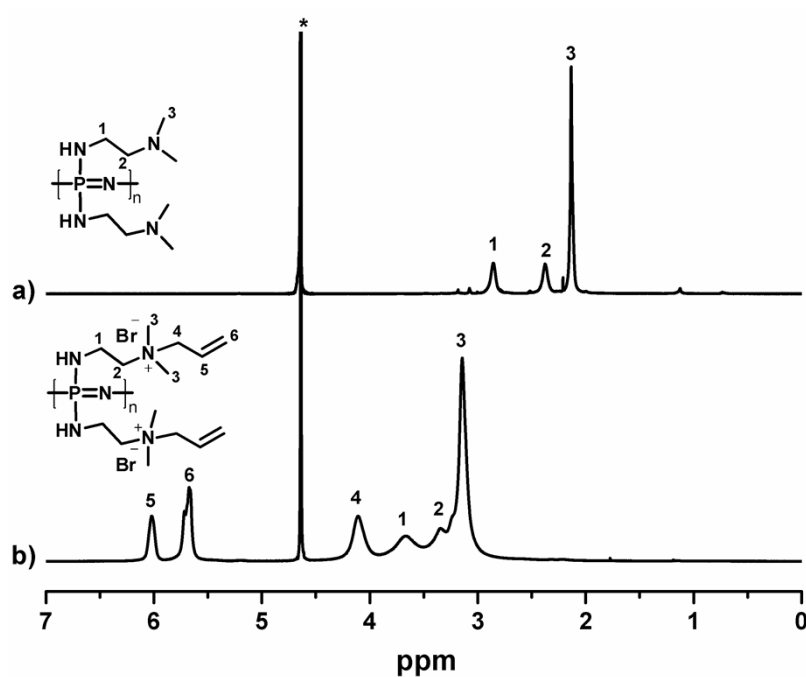


Figure S1 ^1H NMR spectra of (a) polyphosphazene with pendant tertiary amino groups, and (b) polyphosphazene with pendant allyl groups.

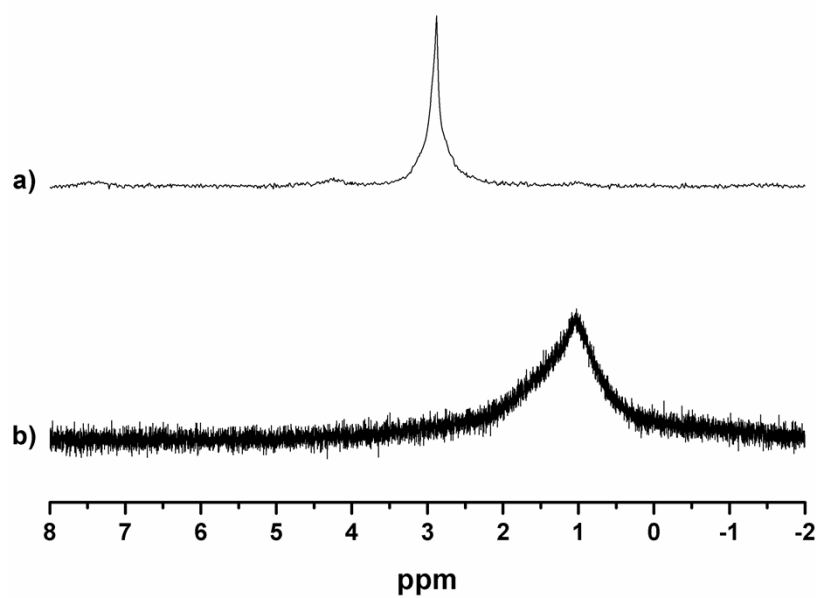


Figure S2 ^{31}P NMR spectra of (a) polyphosphazene with pendant tertiary amino groups, and (b) polyphosphazene with pendant allyl groups.

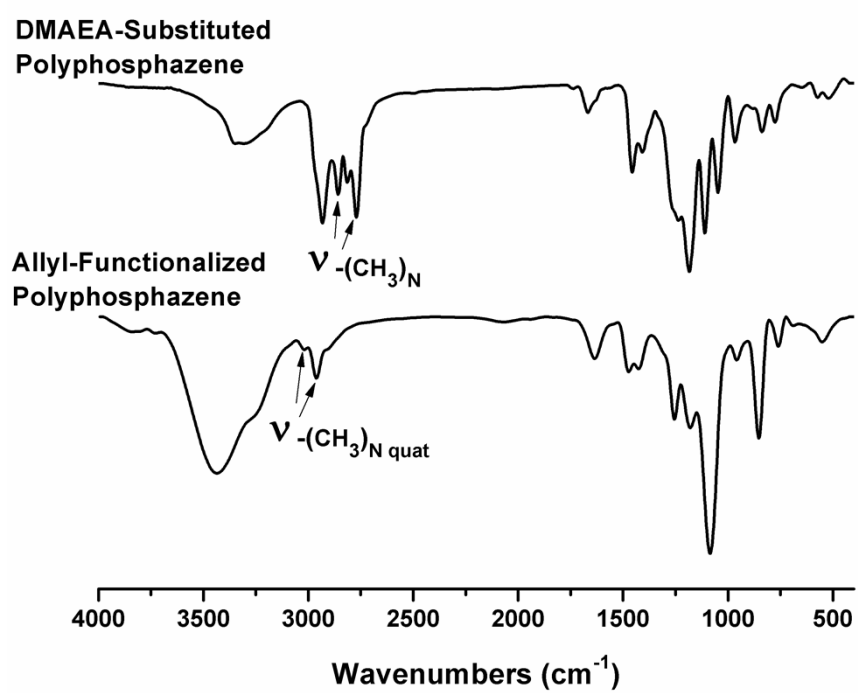


Figure S3 FTIR spectra of polyphosphazene before and after the quaternization.

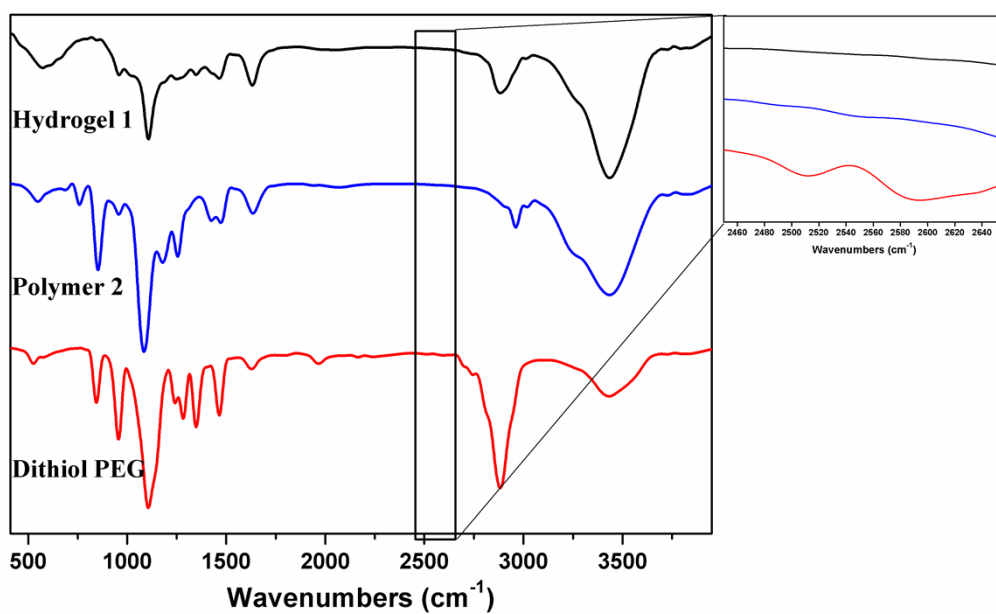


Figure S4 FTIR spectra of Hydrogel 1, polyphosphazene with pendant tertiary amino groups (Polymer 2), and poly(ethylene glycol) dithiol (Dithiol PEG).

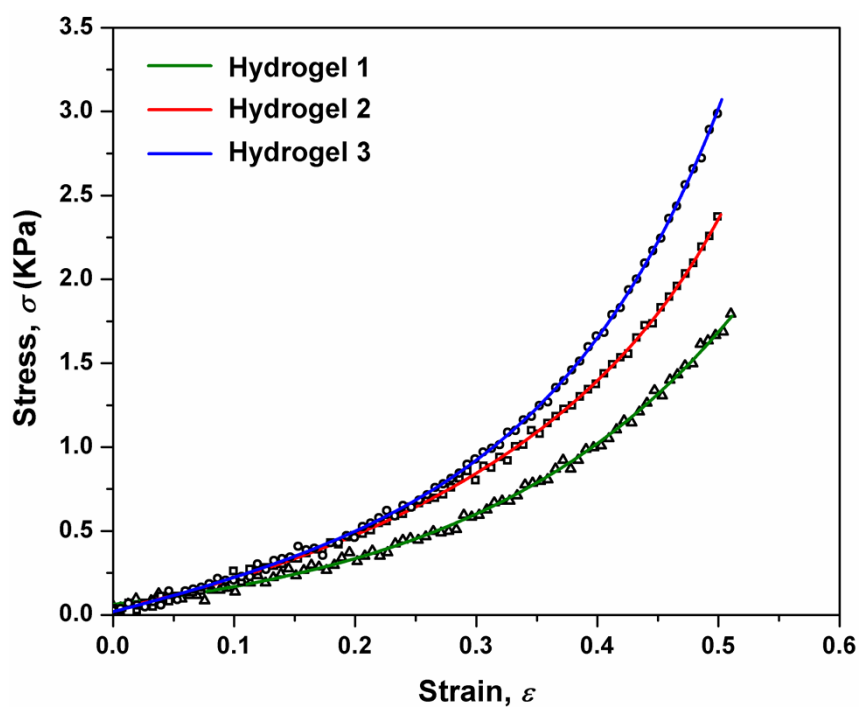


Figure S5 Stress–strain plots of the hydrogels under compression.

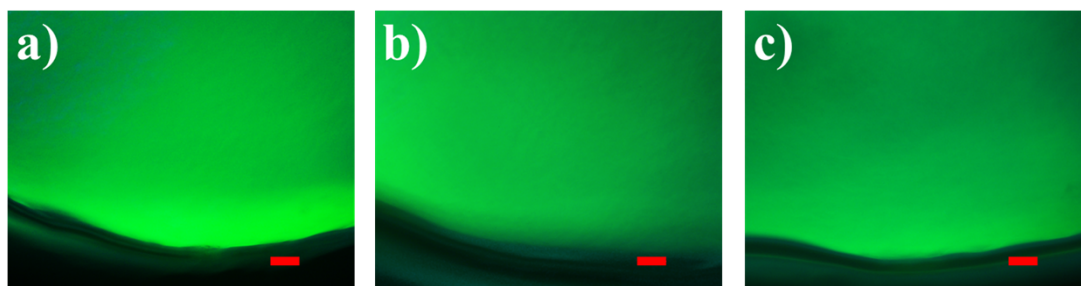


Figure S6 Fluorescence images of the hydrogels after incubation with FITC-labeled BSA, (a) Hydrogel 1, (b) Hydrogel 2, and (c) Hydrogel 3. The scale bars represent 100 μm .