

A modular and practical synthesis of zwitterionic hydrogels through sequential amine-epoxy 'click' chemistry and N-alkylation reaction

Junki Oh, Kevin Injoe Jung, Hyun Wook Jung, and Anzar Khan*

E-mail: anzar@korea.ac.kr

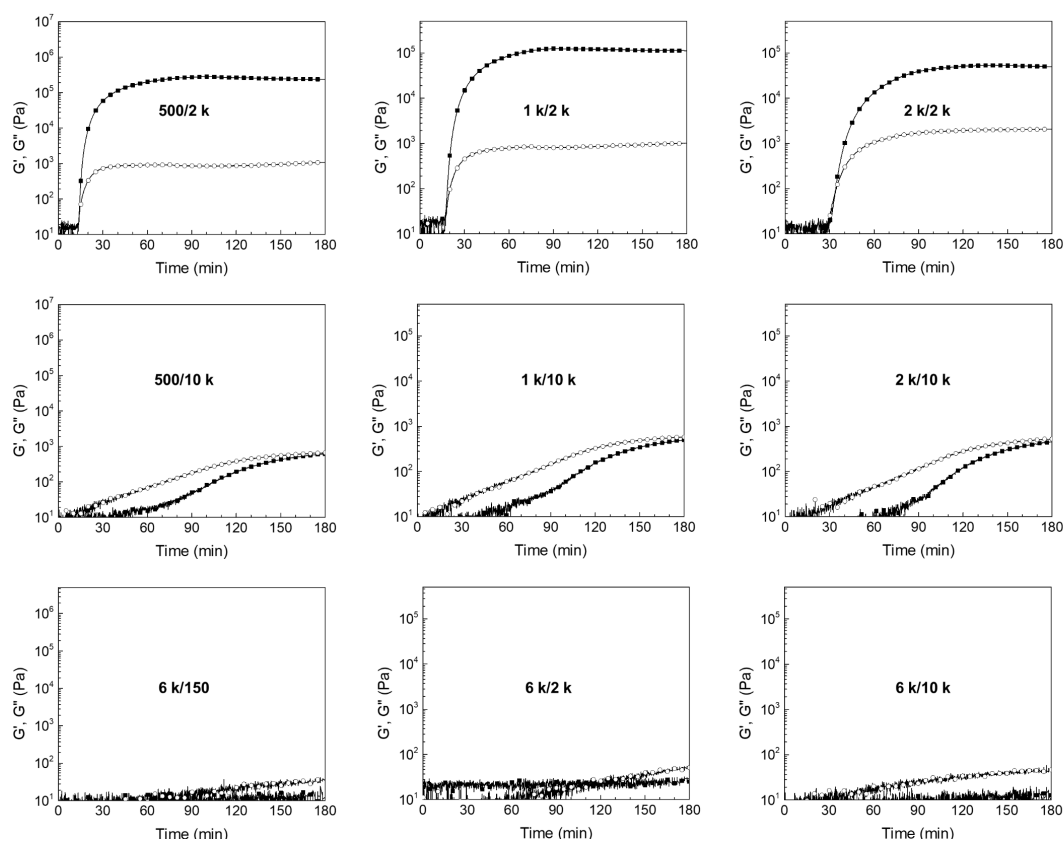


Figure S1. Real-time rheological study of gelation with different precursors.

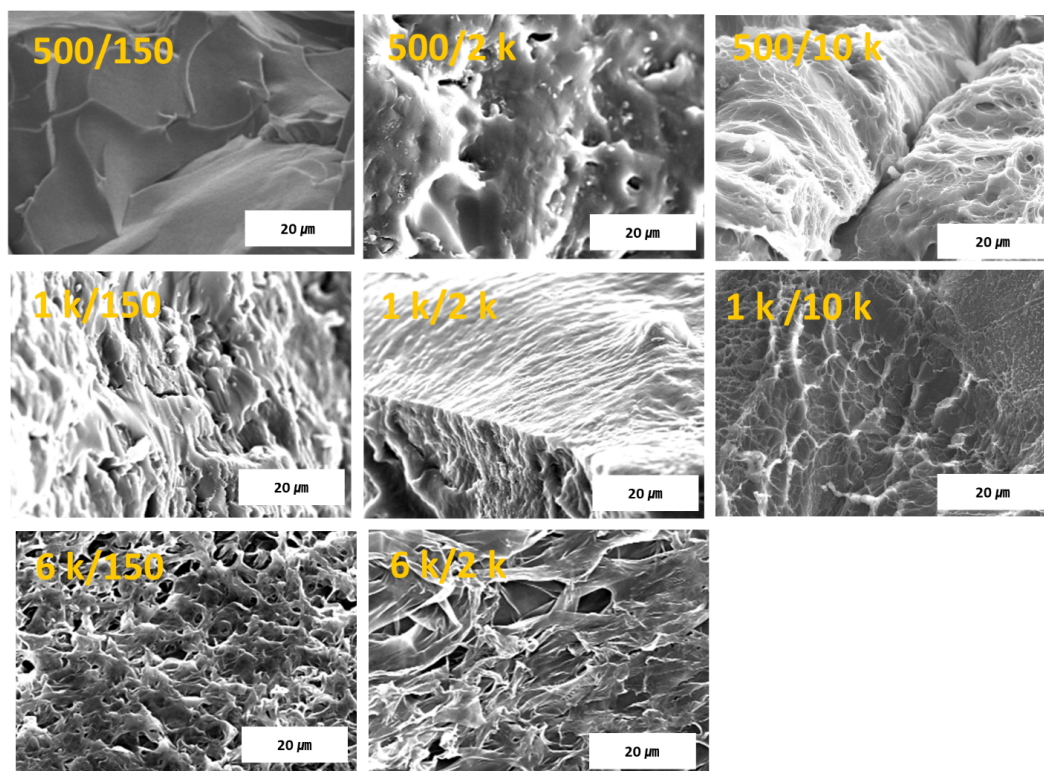


Figure S2. Scanning electron micrographs (SEM) of various hydrogel samples.

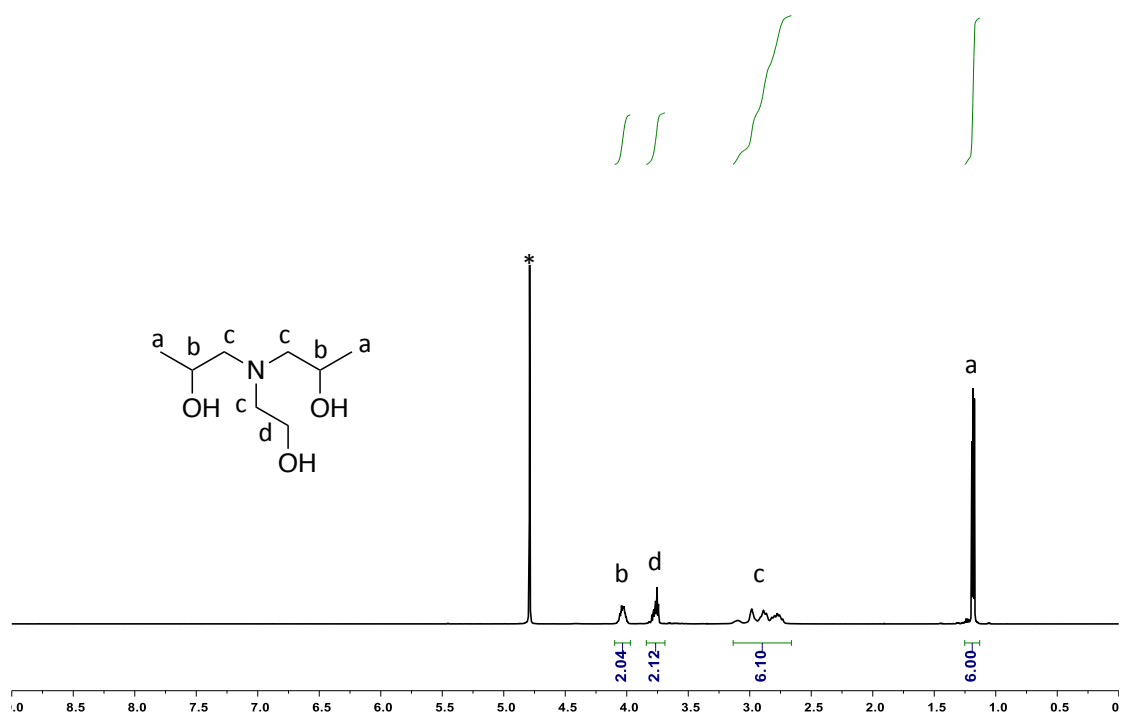


Figure S3. ¹H NMR of **5** in deuterated H₂O. Residual solvent signal is shown with an asterisk.

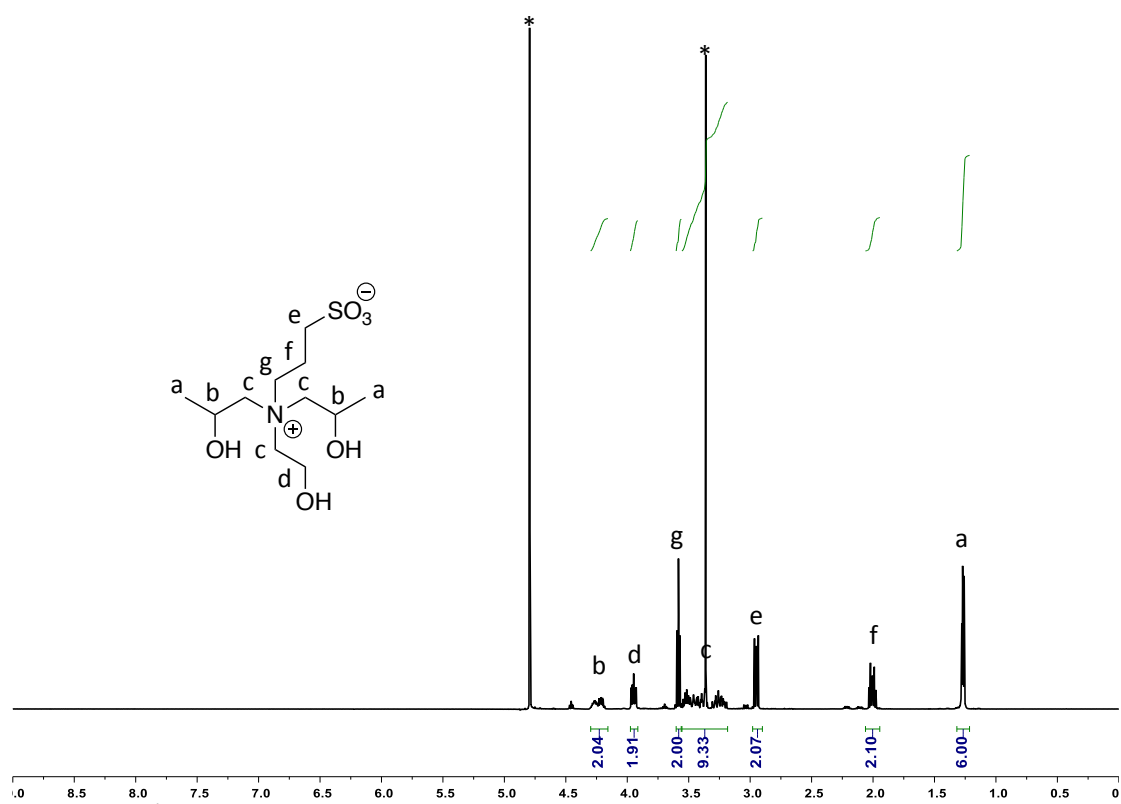


Figure S4. ¹H NMR of **9** in deuterated H₂O. Residual solvent signals are shown with an asterisk.

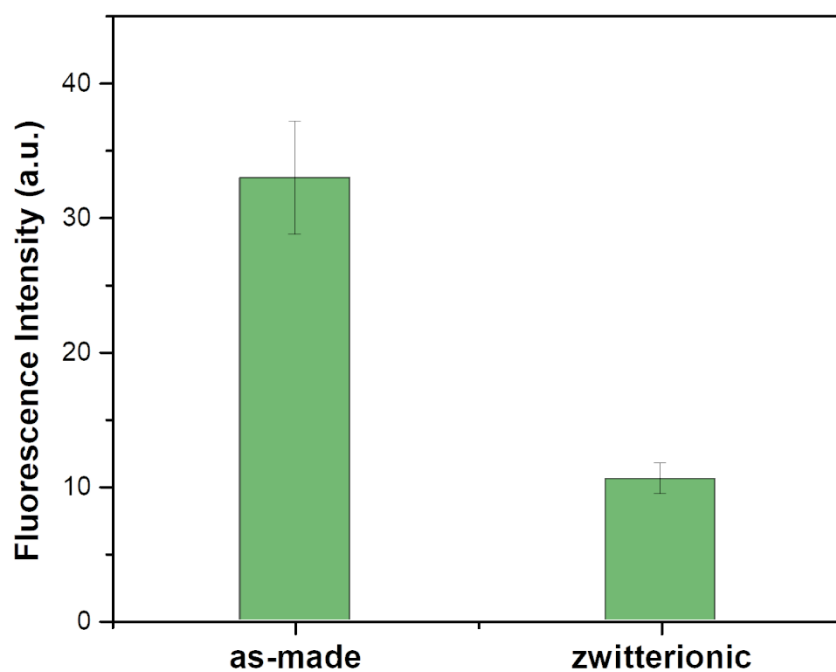
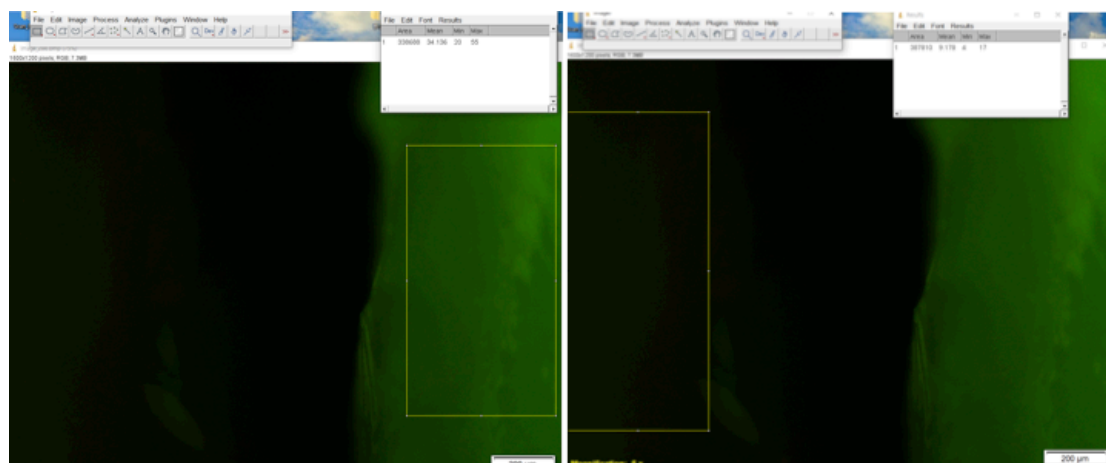


Figure S5. Fluorescence emission intensity of as-made and zwitterionic hydrogels after exposure to the protein BSA for a period of 24 h. The data is obtained from the top unmodified (left) and modified (right) gel surfaces.