

Supporting Information

**Carboxymethyl cellulose-xylan hydrogel: Synthesis,
characterization and *in vitro* release of Vitamin B₁₂**

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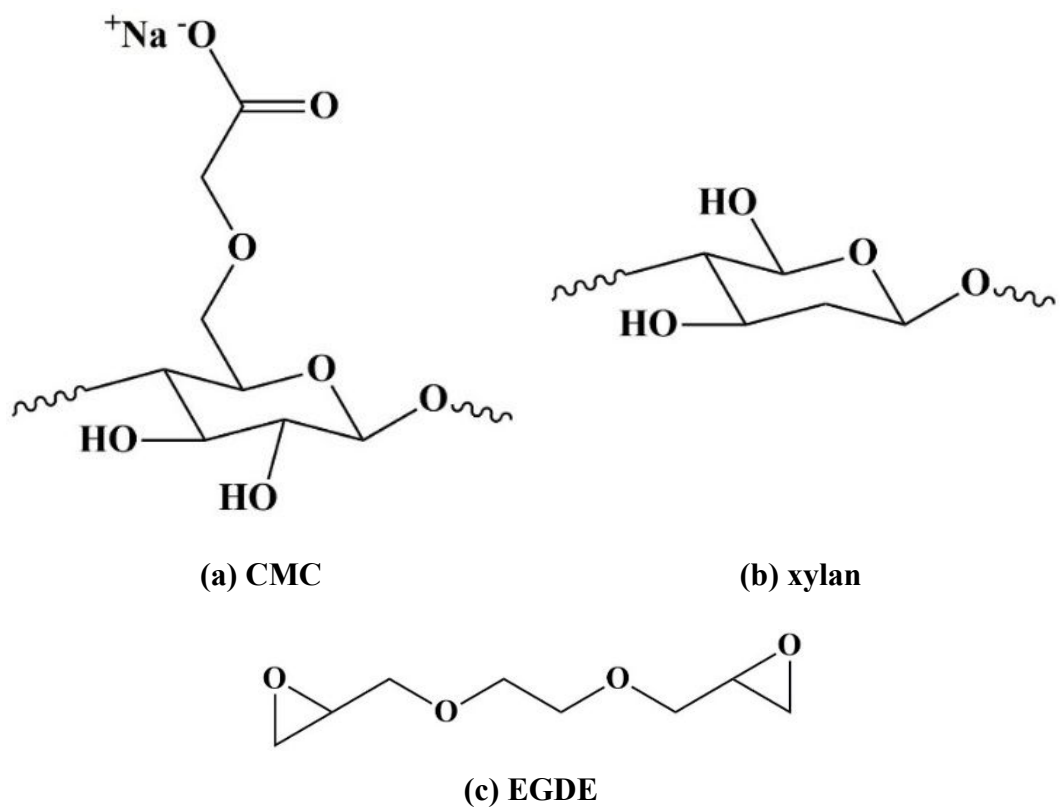


Figure S1. Structure of monomers and crosslinker, (a) CMC (b) xylan, (c) EGDE.

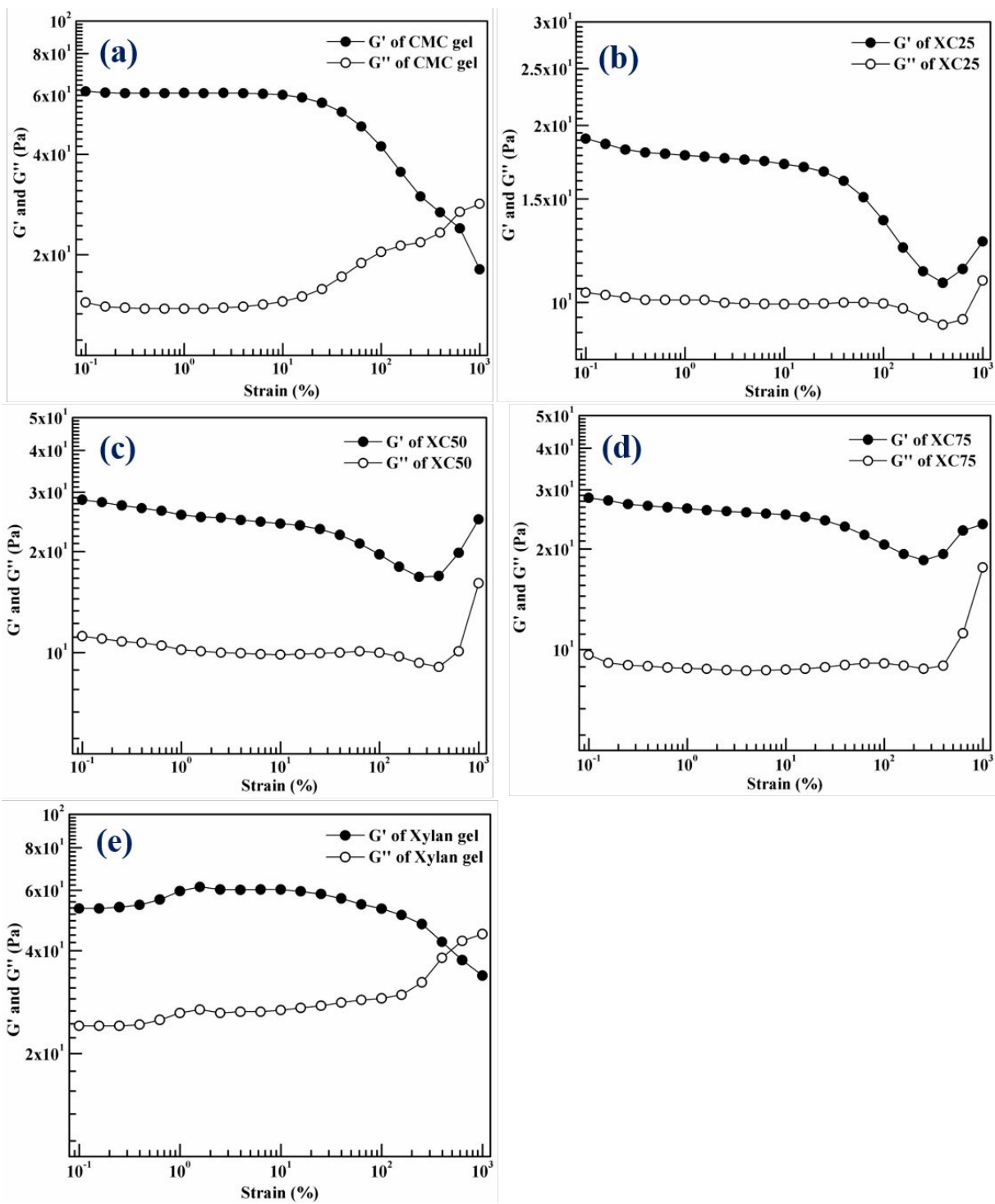


Figure S2. Amplitude sweep of CMC-xylan hydrogels. (a) CMC gel, (b) XC25, (c) XC50, (d) XC75, (e) Xylan gel.

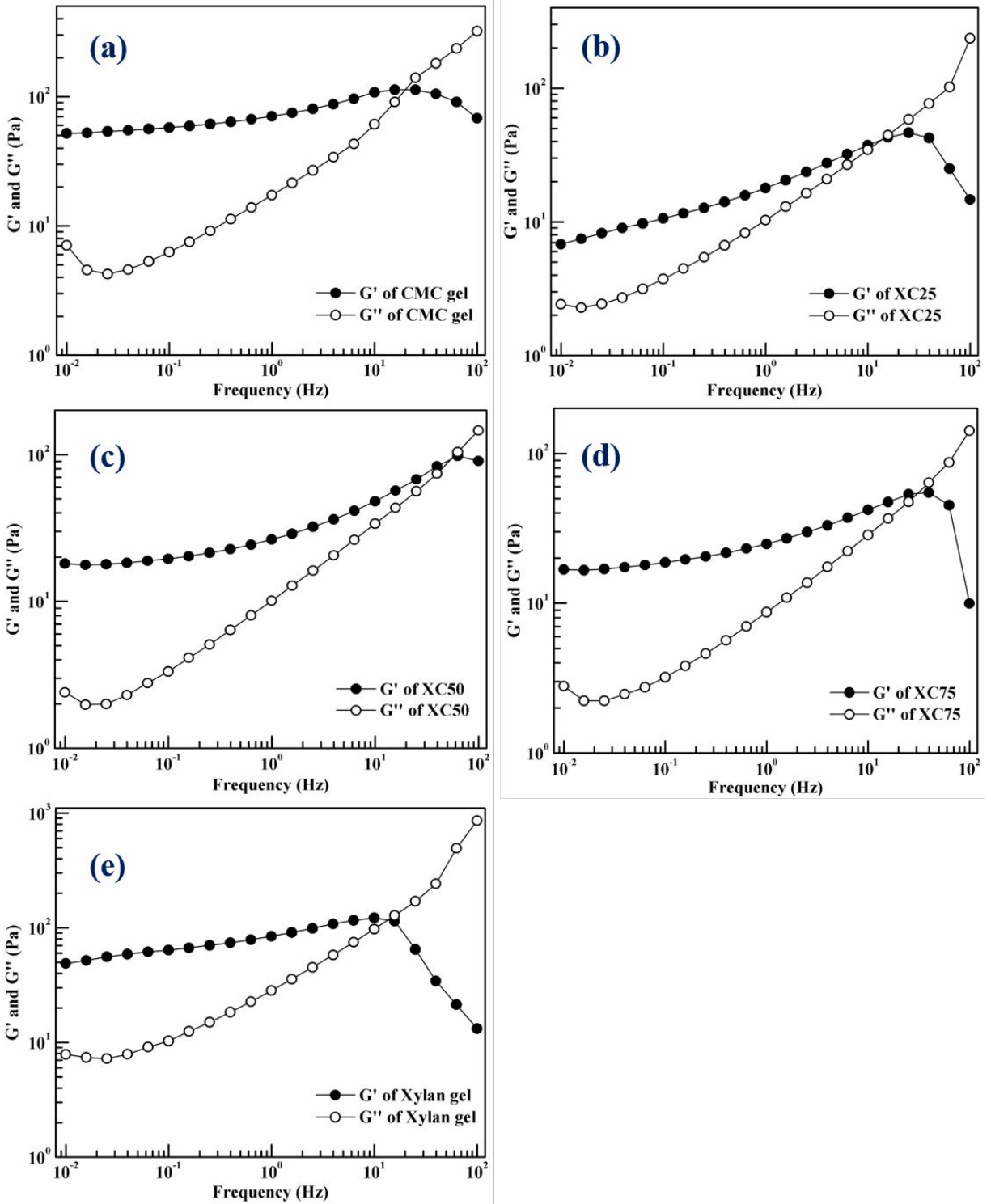


Figure S3. Frequency sweep of CMC-xylan hydrogels. (a) CMC gel, (b) XC25, (c) XC50, (d) XC75, (e) Xylan gel.

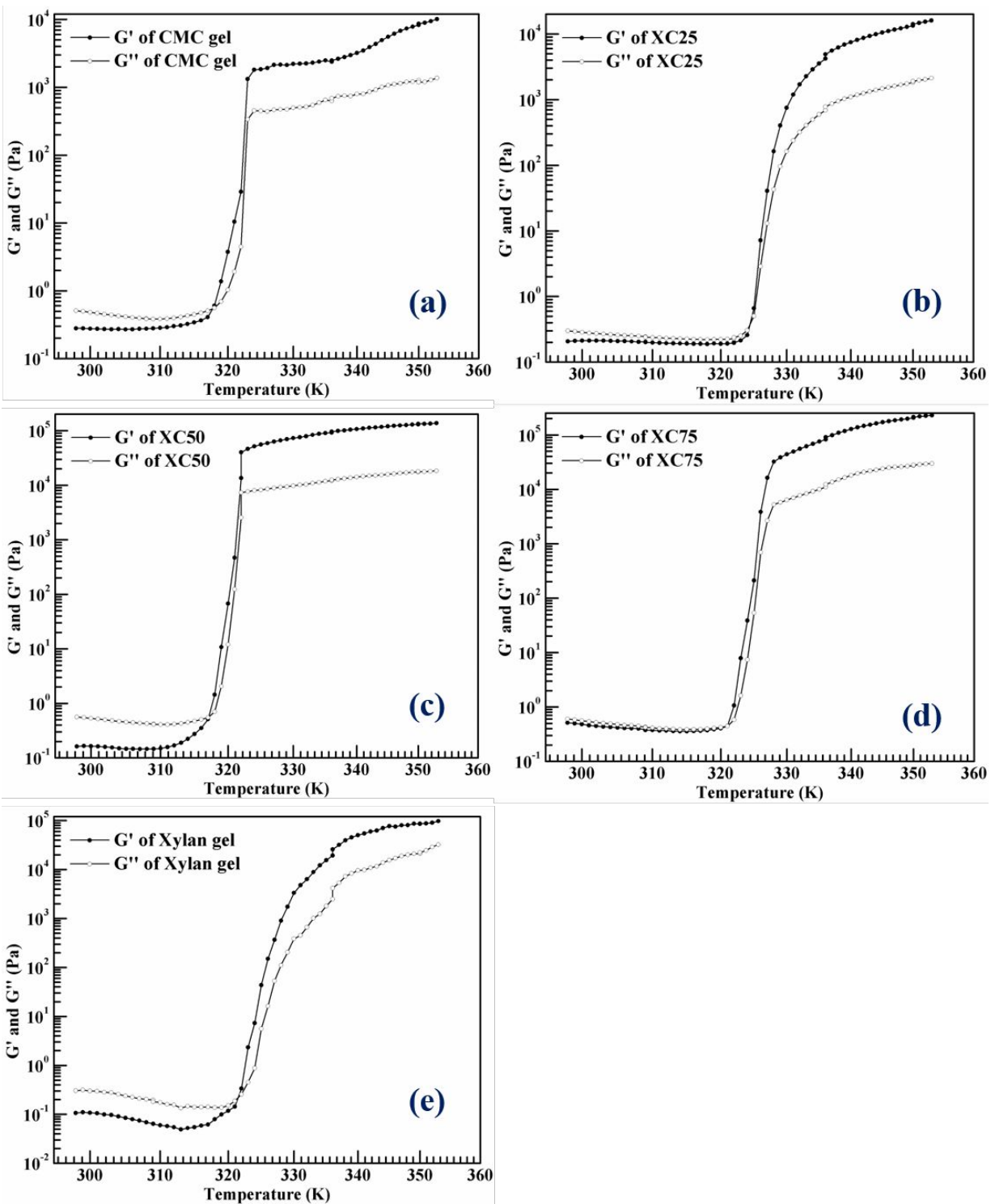


Figure S4. Temperature sweep of precursors. (a) CMC gel, (b) XC25, (c) XC50, (d) XC75, (e) Xylan gel.

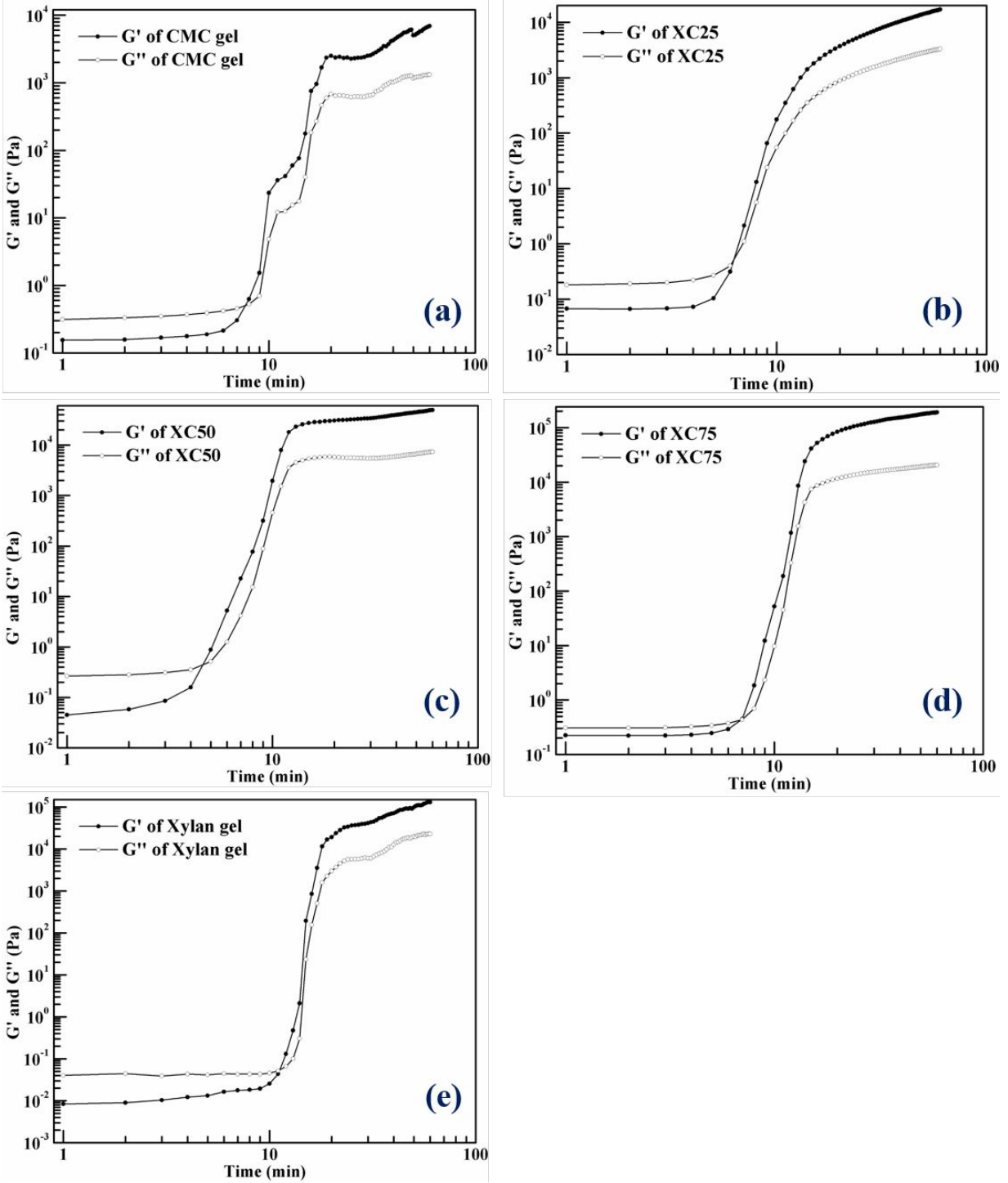


Figure S5. Time sweep of precursors. (a) CMC gel, (b) XC25, (c) XC50, (d) XC75, (e) Xylan gel.