

Supporting Information

Strong Collagen Hydrogels by Oxidized Dextran Modification

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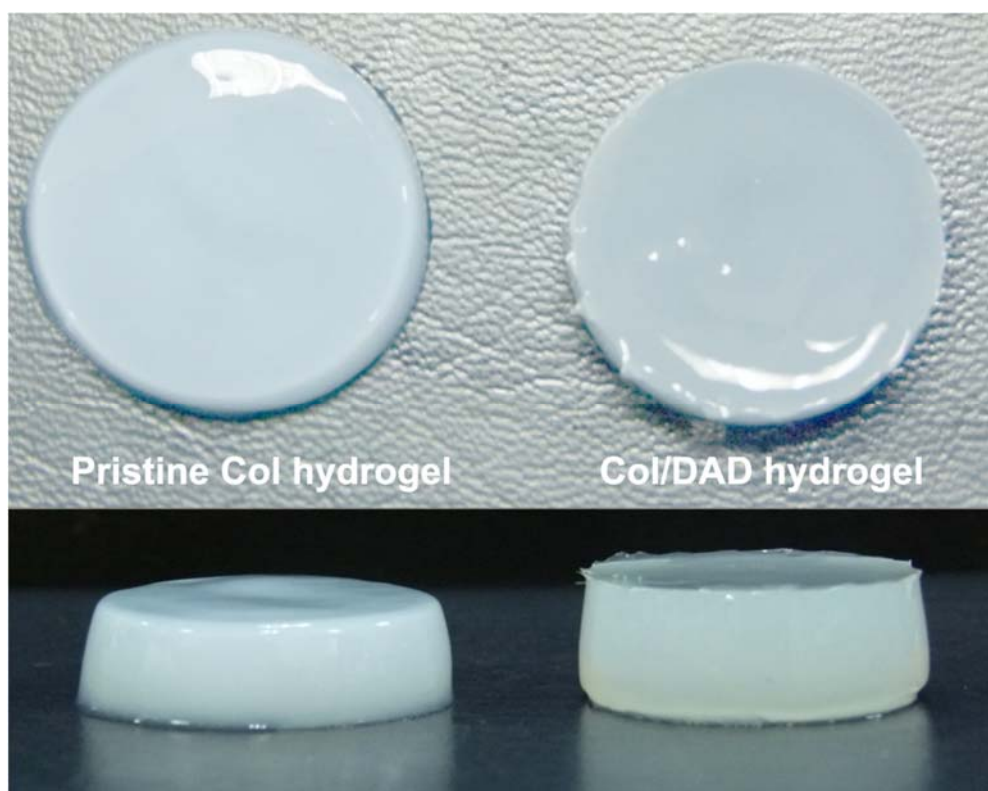


Figure S1. Digital photos of pristine Col hydrogel (left) and Col/DAD hydrogel (right) as-prepared.

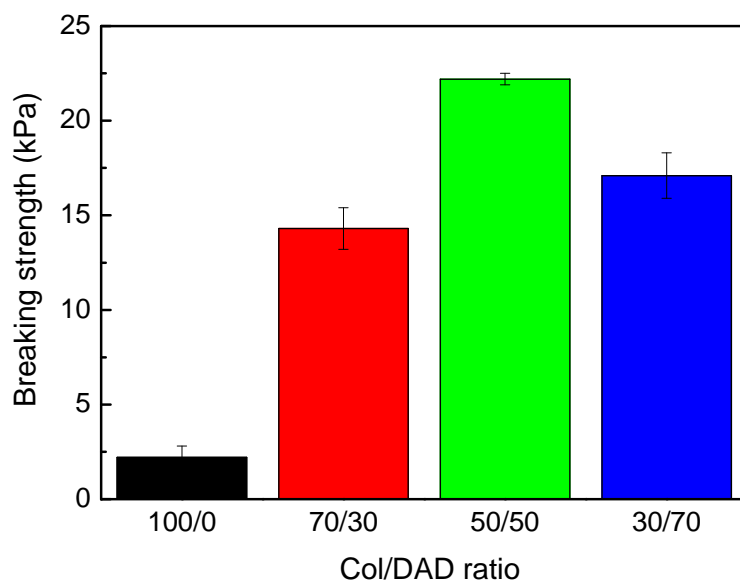


Figure S2. Comparison of the breaking compressive strength of the hydrogels with different Col/DAD ratio when adding dextran to keep the total solid content as a constant of 20 mg/mL ($[\text{Col}] = 6 \text{ mg/mL}$).

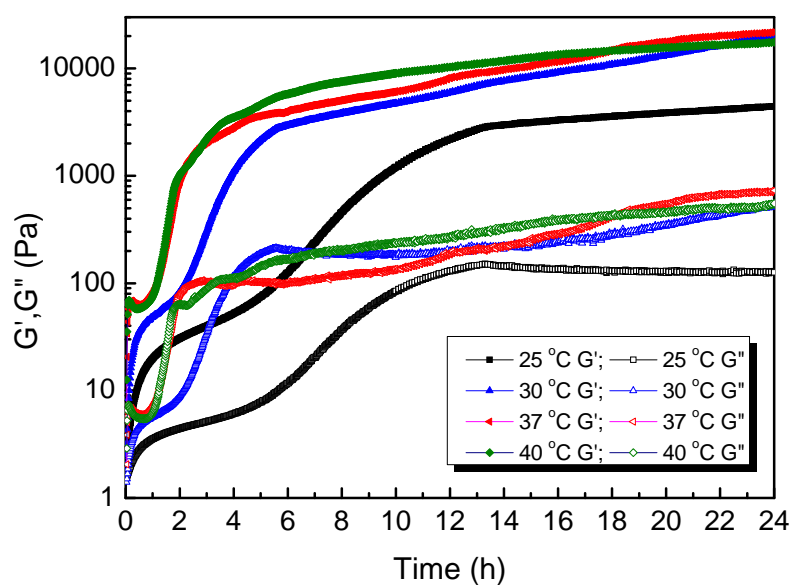


Figure S3. The change of storage modulus (G') and loss modulus (G'') of the Col/DAD hydrogel (Col/DAD = 50/50) as a function of time under different incubation temperatures.

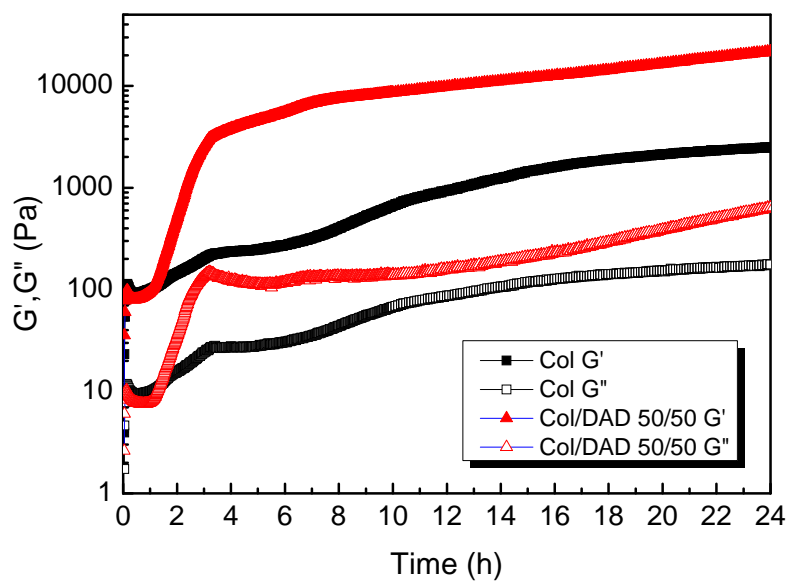


Figure S4. The comparison of storage modulus (G') and loss modulus (G'') changes of the pristine Col and Col/DAD hydrogel (Col/DAD = 50/50) at 37 °C.

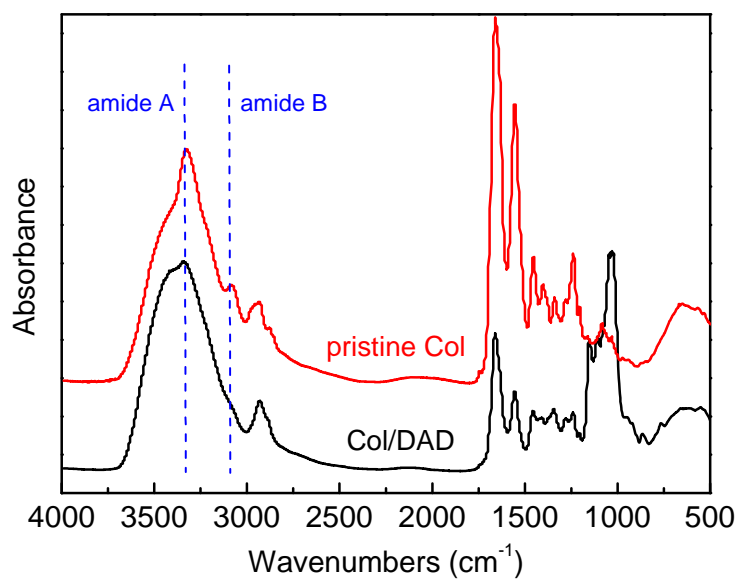


Figure S5. FTIR spectra of the pristine Col and Col/DAD hydrogel (Col/DAD = 50/50)

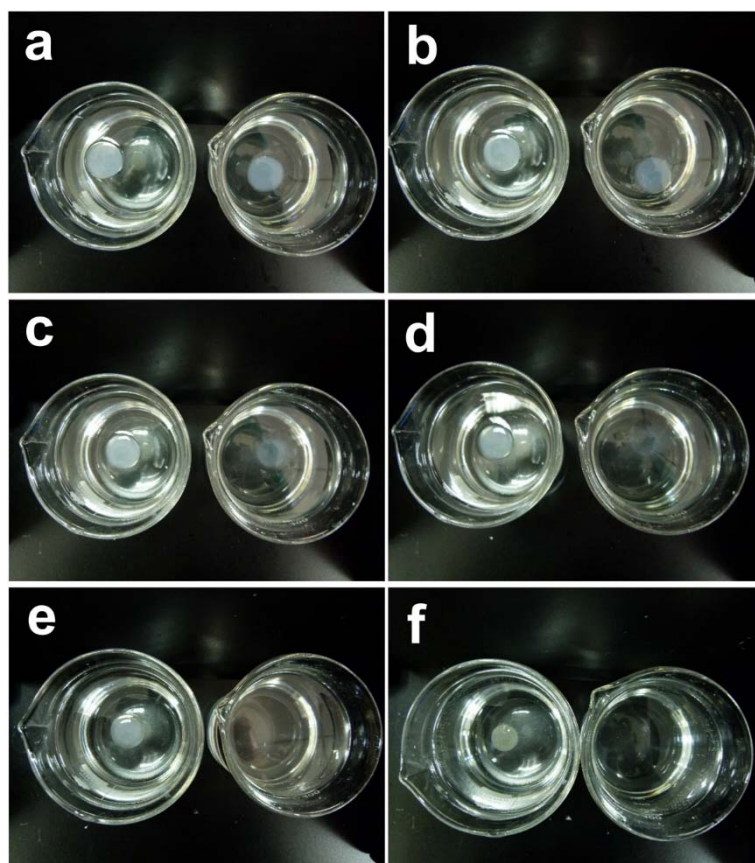


Figure S6. Digital photos of pristine Col (right) and Col/DAD hydrogel (Col/DAD = 50/50, left) immersing in 8 mol/L guanidine hydrochloride solution at different time. (a) 0 min, (b) 5 min, (c) 10 min, (d) 20 min, (e) 30 min, (f) 10 h.