

Figure S1 (a) Synthesis of CSD, (b) ¹H NMR spectra of CS, dopamine and CSD, respectively.

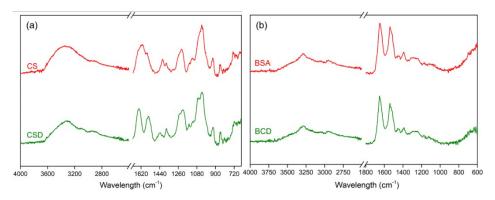


Figure S2 ATR-FTIR spectra of (a) CS, CSD and (b) BSA, BCD, respectively.

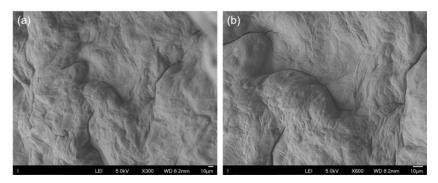


Figure S3 SEM images of TISSEEL-dLhCG under (a) $\times 300$ and (b) $\times 600$ magnificent, respectively.

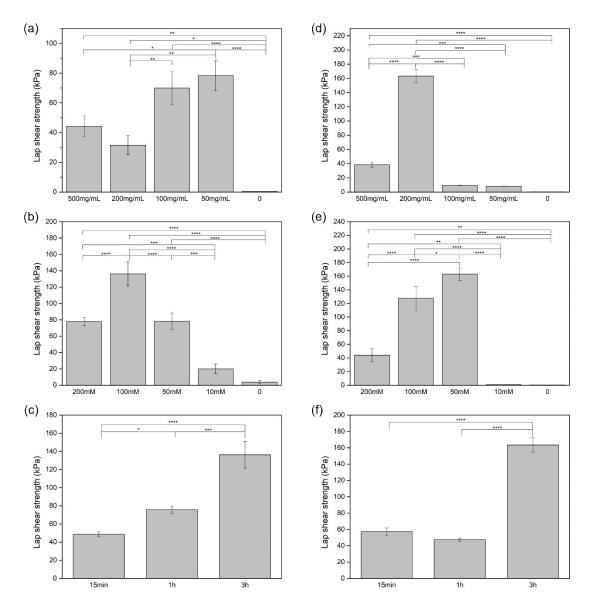


Figure S4 Lap shear strength between two slices of cartilage glued by BCD adhesive with different (a) BCD concentration, (b) Fe³⁺ concentration and (c) incubation time or CSD adhesive with different (d) CSD concentration, (e) Fe³⁺ concentration and (f) incubation time (*p<0.05, **p<0.01, ***p<0.001, ***p<0.0001).