

Supporting Information

Continuous electro-growth of hierarchically structured hydrogel on non-conductive surface

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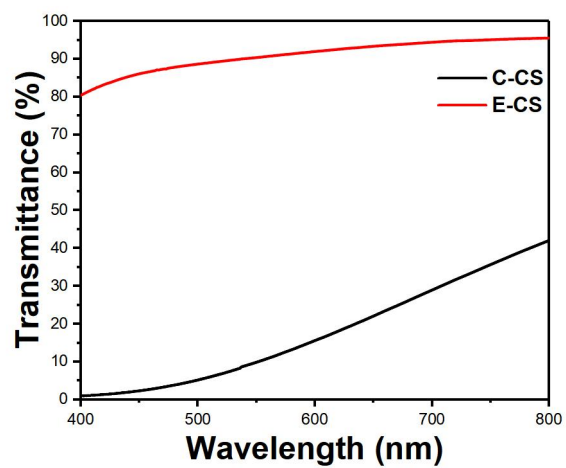


Figure S1: Transmittance of E-CS and C-CS (3 wt%)

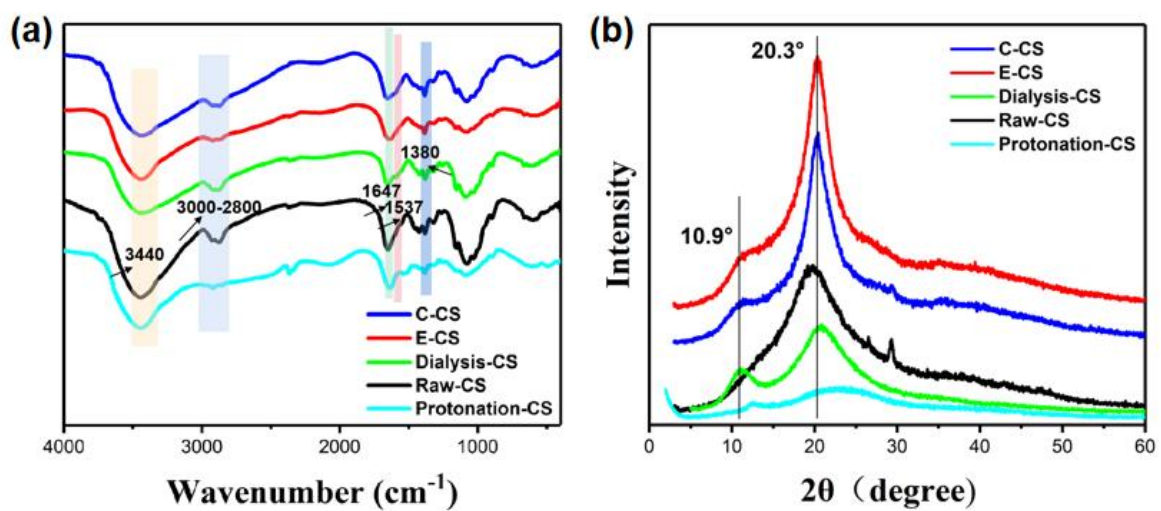


Figure S2: (a) FT-IR and (b) XRD spectra of chitosan prepared with different treatment methods.

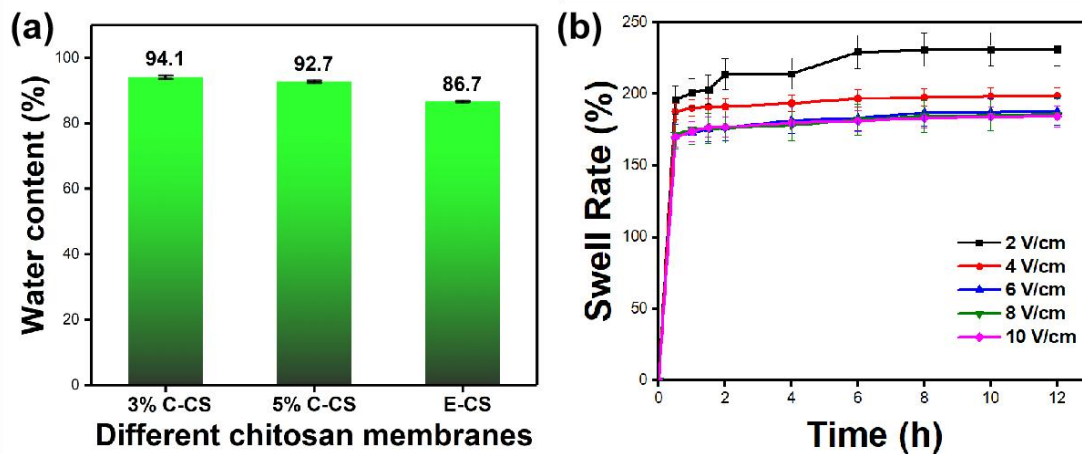


Figure S3: (a) The water content of different C-CS and the E-CS. (b) Swelling properties of E-CS films prepared at electric field intensity of 2, 4, 6, 8, 10 V/cm.

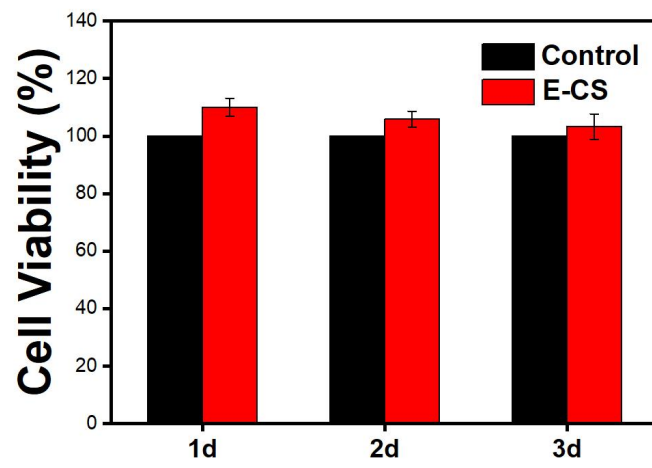


Figure S4: Cytotoxicity of E-CS films to L929.

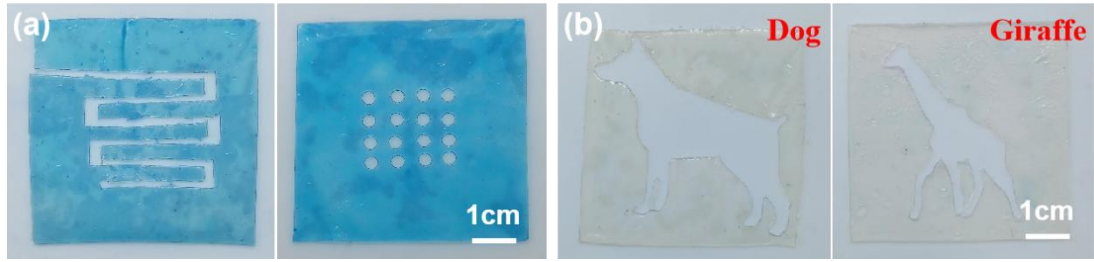


Figure S5: E-CS hydrogel films (dyed with methylene blue) with (a) flow channel and pore array. E-CS hydrogel films with patterns of (b) puppy and giraffe.