

Figure S1. GPC elution profiles of SFs (7SF-DM2, 20SF-DM2) fractionated by DM with 7% and 20% of saturated concentration AS and RSF for use in fabrication experiments.

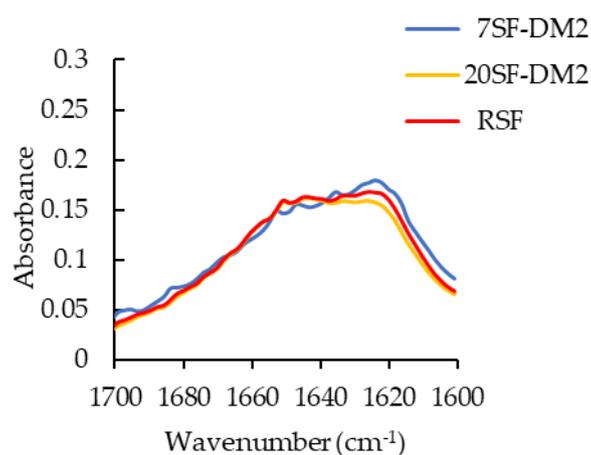


Figure S2. Amide I region in ATR-FTIR spectra of electrospun nanofiber nonwoven mat from fractionated SF.

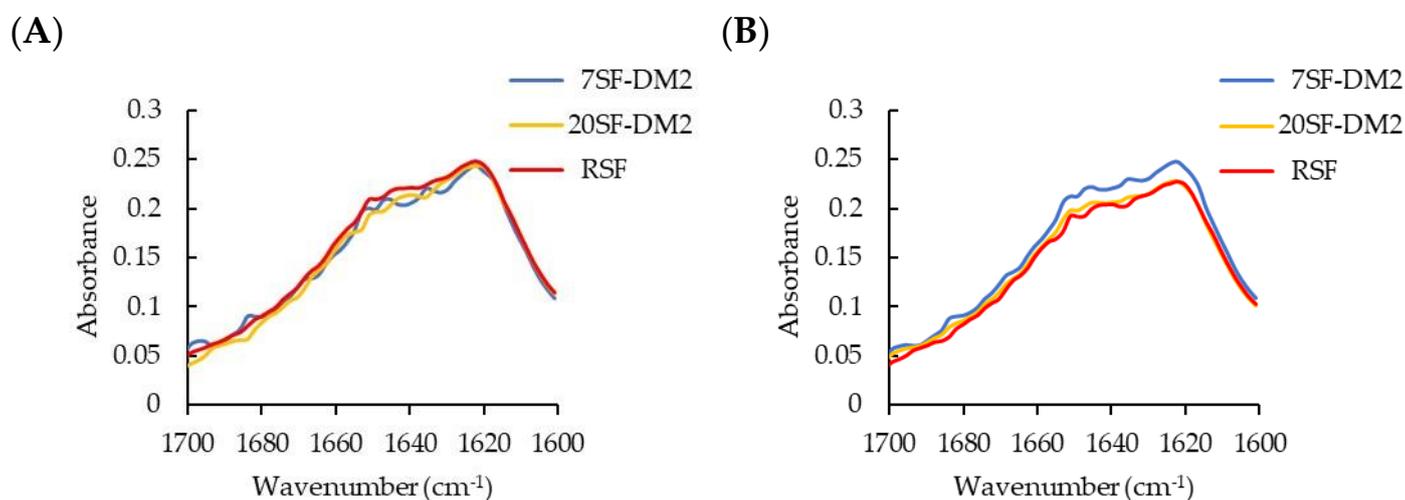


Figure S3. Amide I region in ATR-FTIR spectra of sponges fabricated from (A) 2% (w/v) and (B) 4% (w/v) of 7SF-DM2, 20SF-DM2, and RSF solutions.