

Supporting Information

Generation of Electrospun Nanofibers with Controllable Degrees of Crimping through a Simple, Plasticizer-based Treatment

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Video S1. Upon submersion in ethanol, unconstrained PLA nanofiber scaffolds shrink. This is a result of the initially elongated PLA molecules releasing the residual stress produced by electrospinning.

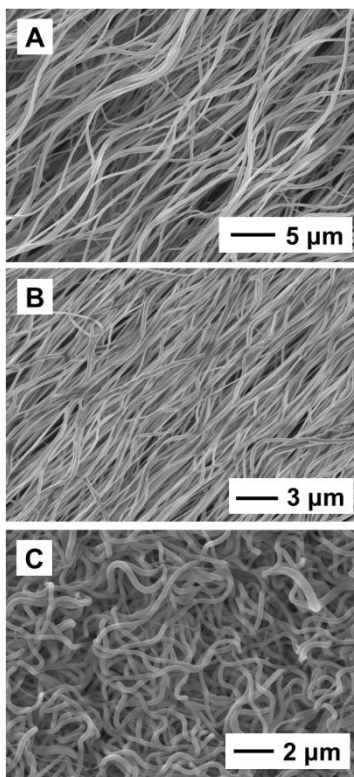


Figure S1. SEM images showing crimped nanofibers composed of (A) PLGA 85:15, (B) PCL/PLA blends after ethanol treatment, and (C) PVDF after DMF treatment.

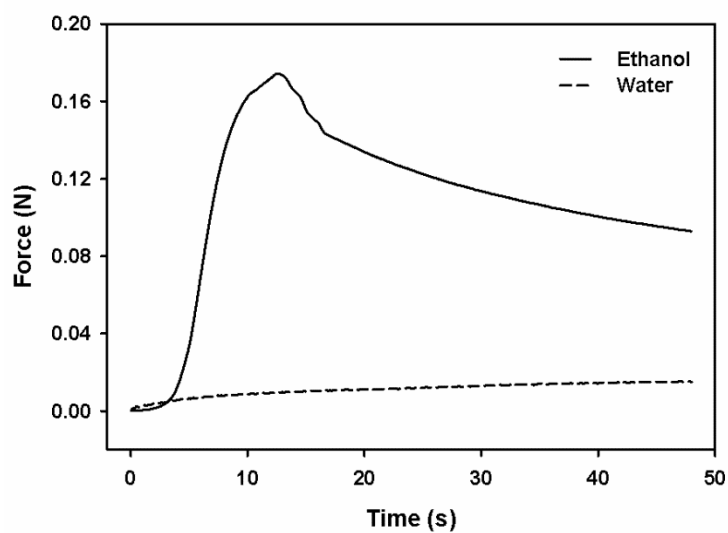


Figure S2. Representative timecourses of force generation for PLA electrospun nanofibers submerged in either ethanol or deionized water. Submersion in ethanol led to a rapid increase in force followed by a gradual plateau, indicating a continuous tensile force generated by the PLA nanofibers during ethanol treatment. No force was generated for nanofibers submerged in water.