

Supplementary information

Fabrication of tough, anisotropic, chemically crosslinker-free poly(vinyl alcohol) nanofibrous cryogels via electrospinning

Yoshiyasu Nagakawa^{a,b}, Mikiya Kato^b, Shin-ichiro Suye^{b,c} and Satoshi Fujita^{b,c*}

^aBiotechnology Group, Tokyo Metropolitan Industrial Technology Research Institute, 2-4-10, Aomi, Koto-ku, Tokyo, 135-0064, Japan.

^bDepartment of Frontier Fiber Technology and Sciences, Graduate School of Engineering University of Fukui, 3-9-1, Bunkyo, Fukui, 910-8507, Japan.

^cLife science innovation Center, University of Fukui, 3-9-1, Bunkyo, Fukui, 910-8507, Japan.

*Corresponding author at: Department of Frontier Fiber Technology and Science, Graduate School of Engineering, University of Fukui, 3-9-1 Bunkyo, Fukui 910-8507, Japan
Tel/Fax: +81-776-27-9969, E-mail: fujitas@u-fukui.ac.jp

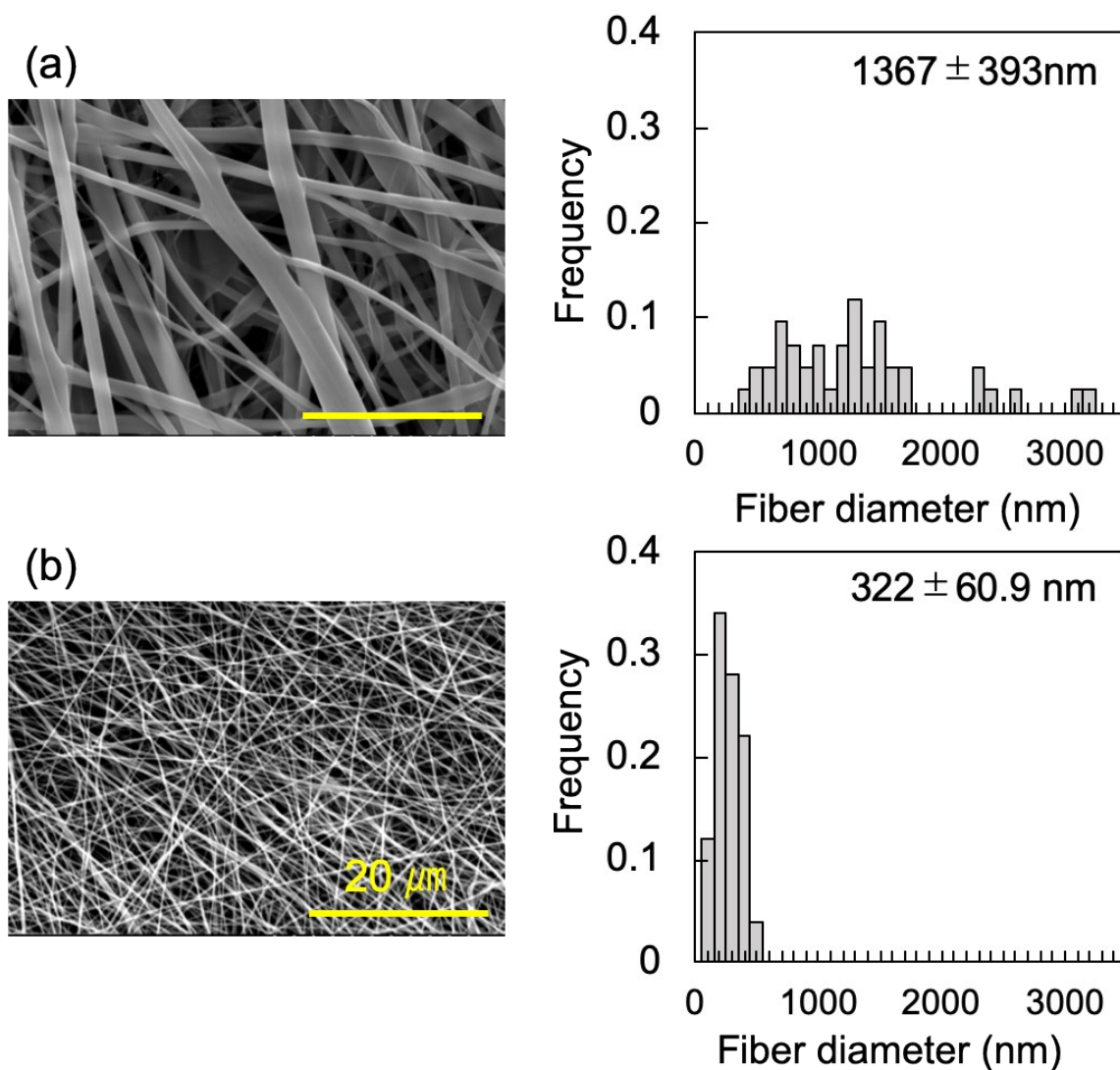


Fig. S1 Morphologies of PVA/HFIP and PVA nanofibers. SEM images and the distribution of fiber diameters of (a) 4%PVA/HFP nanofiber, (b) 15%PVA/water nanofiber.

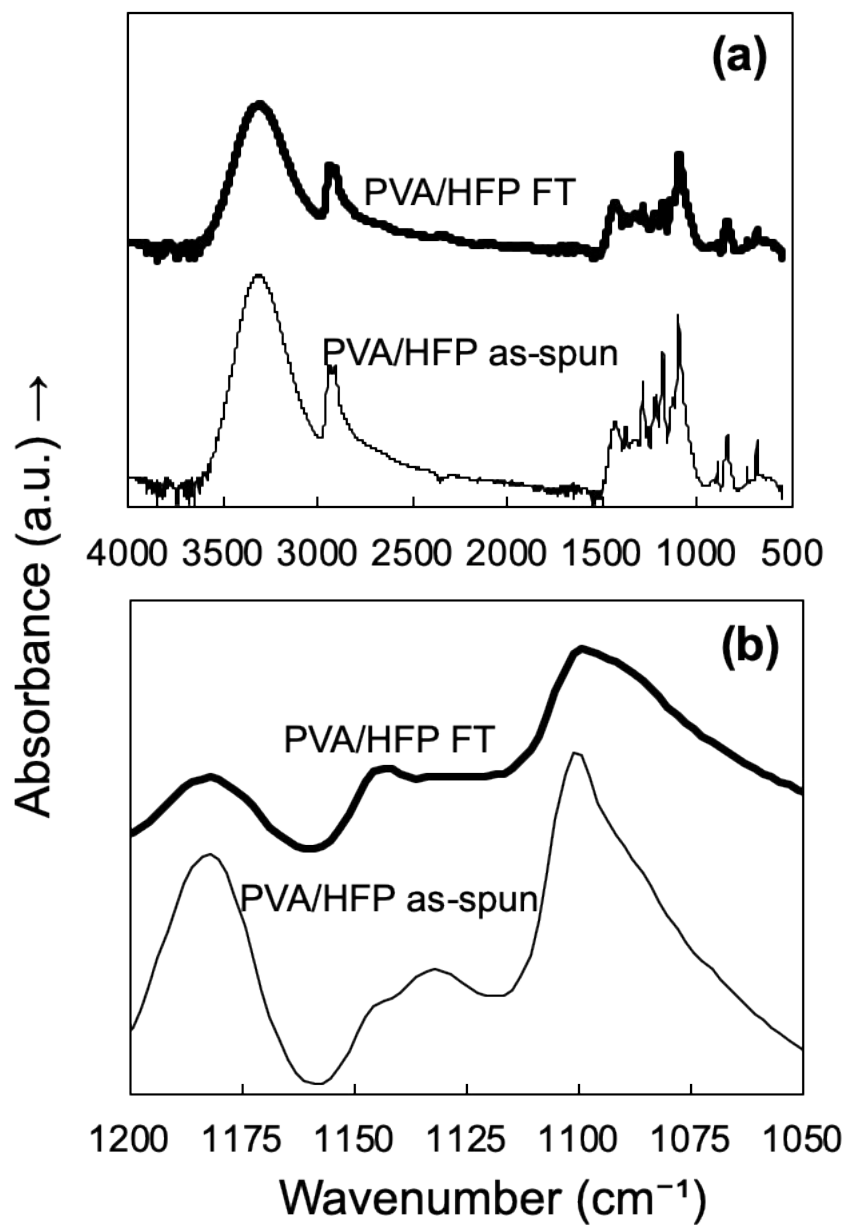


Fig. S2 ATR-FTIR spectra of the (a) PVA/HFIP as-spun and PVA/HFIP FT nanofibers. The figure in parts (b) is magnification of (a).