SUPPLEMENTARY INFORMATION

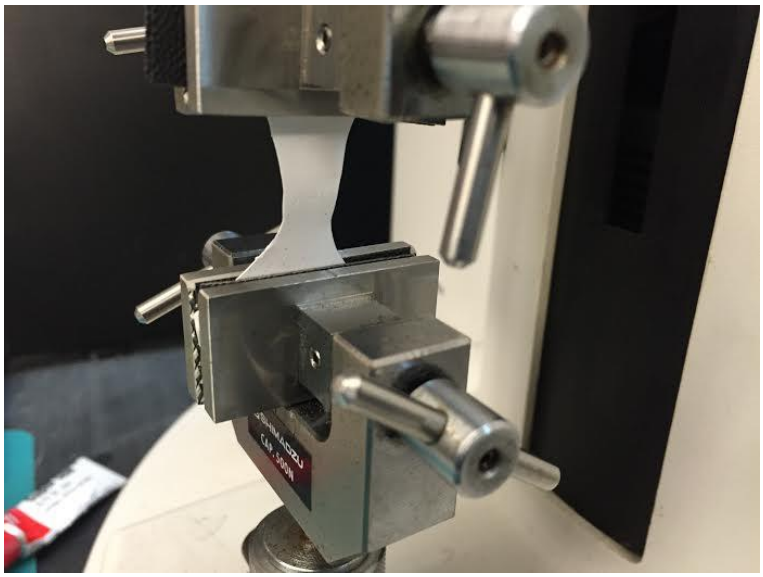

Figure S1. Tensile testing set-up for PLGA and PLCL fibers.

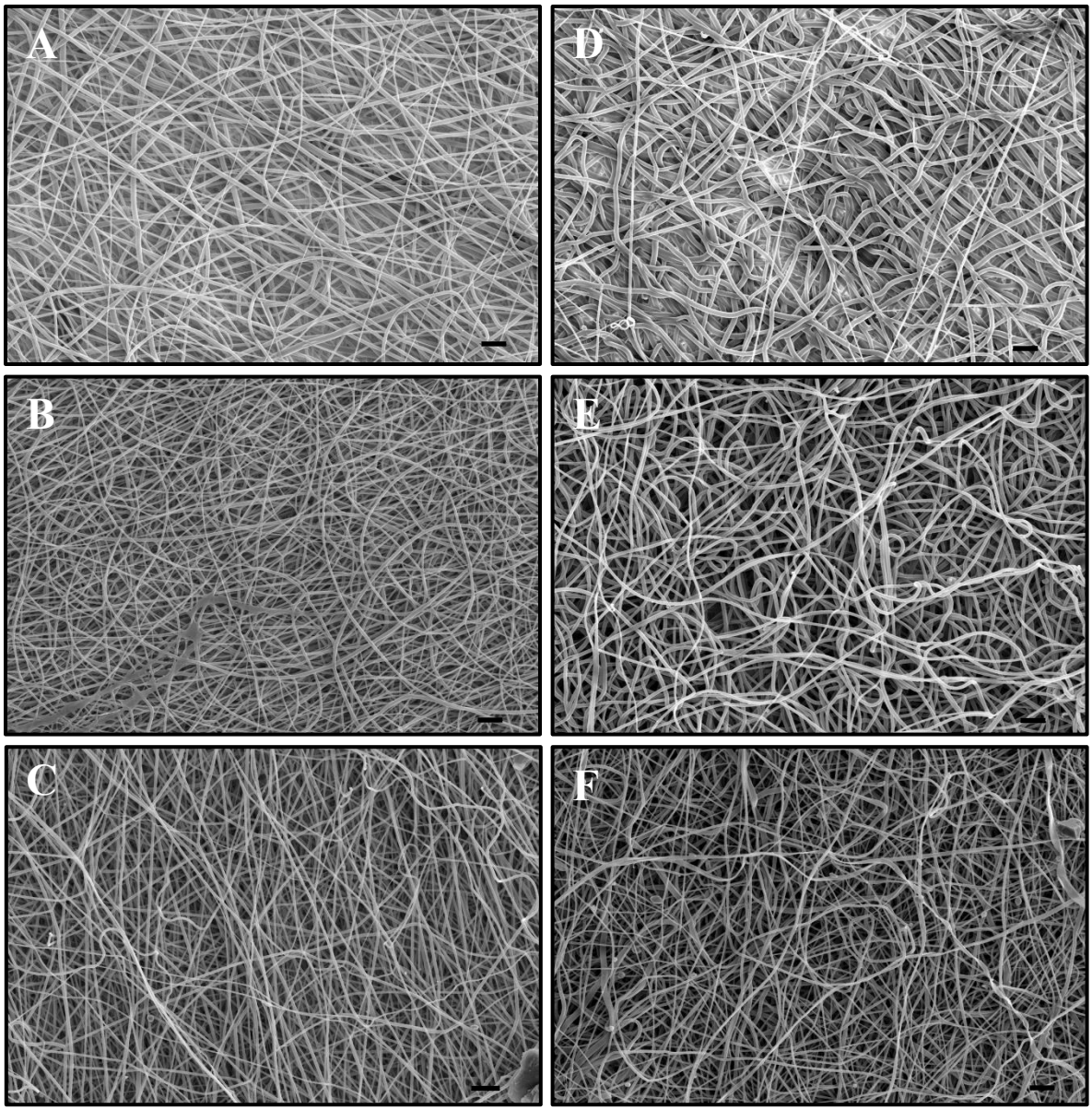

Figure S2. SEM images of EFs formed with different weight percentages of ACV. Left column shows PLGA EF microstructure after addition of (A) 1%, (B) 10%, and (C) 20% ACV; and right column shows PLCL EF microstructure after addition of (D) 1%, (E) 10%, and (F) 20% ACV. Scale bar = 10 μm.

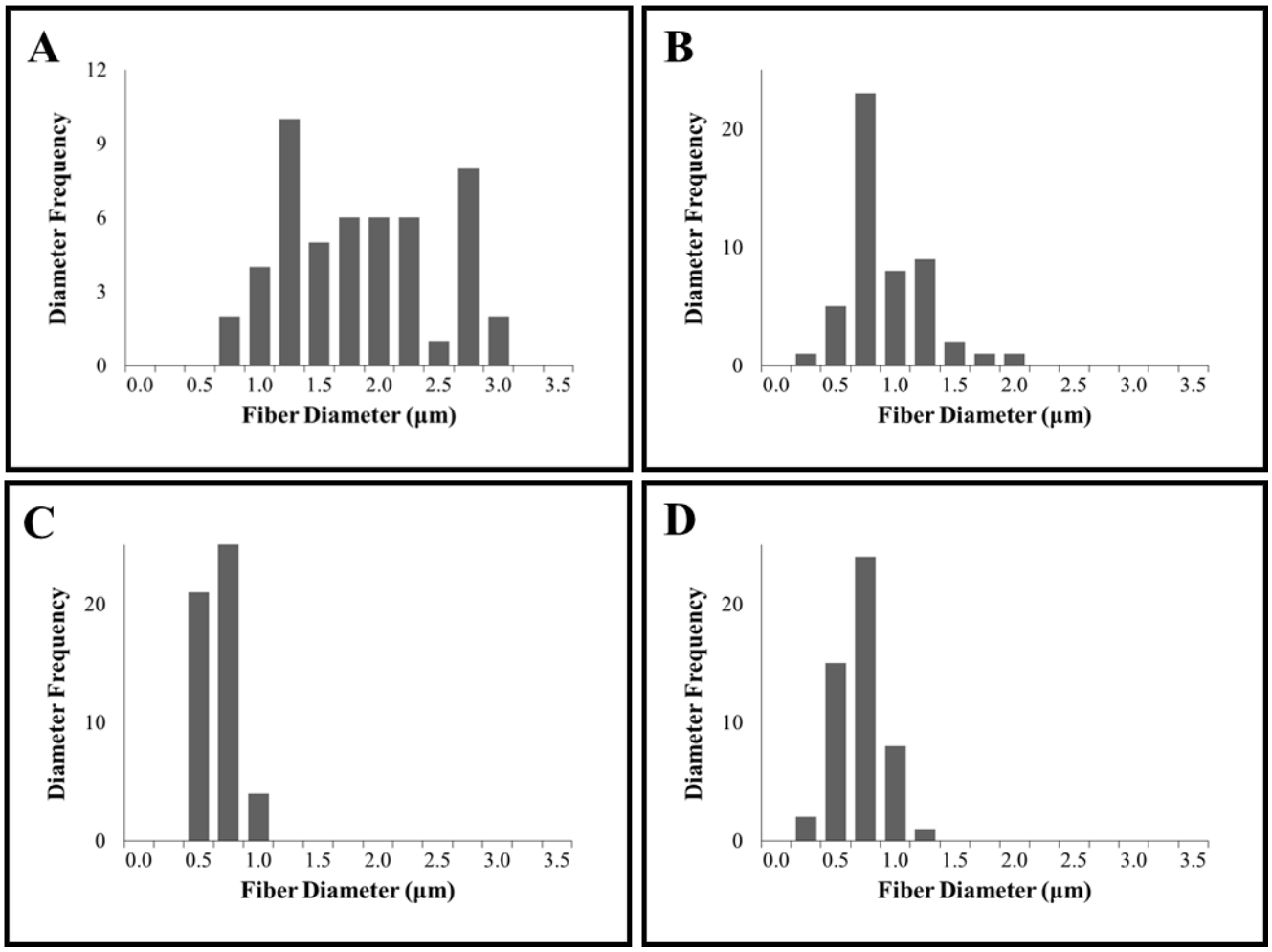

Figure S3. Histograms of fiber diameter range and frequency for 15% PLGA EFs with (A) 0%; (B) 1%; (C) 10%; (D) 20% ACV.

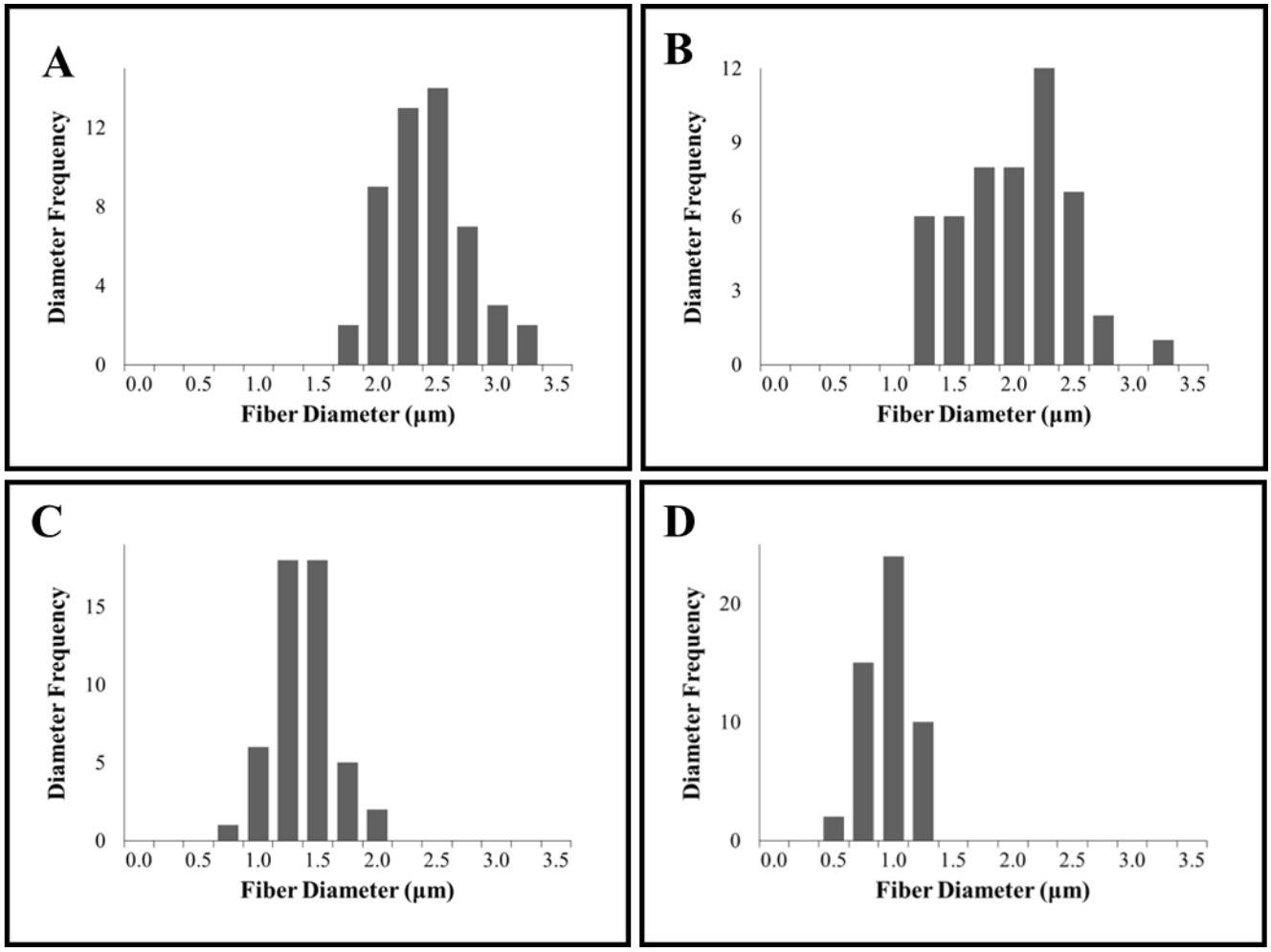

Figure S4. Histograms of fiber diameter range and frequency for 12% PLCL EFs with (A) 0%; (B) 1%; (C) 10%; (D) 20% ACV.

Table S1. Mean and median fiber diameters for PLGA and PLCL blank and ACV fibers.

Sample Name	Mean (μm)	Median (μm)	S.D. (μm)
PLGA Blank	1.70	1.65	0.64
PLGA 1% ACV	0.78	0.69	0.34
PLGA 10% ACV	0.54	0.56	0.15
PLGA 20% ACV	0.58	0.58	0.19
PLCL Blank	2.30	2.27	0.38
PLCL 1% ACV	1.89	1.89	0.47
PLCL 10% ACV	1.23	1.23	0.25
PLCL 20% ACV	0.83	0.82	0.17

Table S2. Average conductivity of initial solvents tested with PLGA, and solvent plus polymer (PLGA or PLCL) and ACV. As expected from literature references and the non-polar nature of the polymers, sample conductivities (with the exception of the known standard) measured below the limit of detection.

Sample Name	Conductivity (μS/cm)
HFIP only	4
HFIP PLGA Blank	4
HFIP PLGA 20% ACV	9
HFIP PLCL Blank	4
HFIP PLCL 20% ACV	6
3:1 CF:DMF PLGA Blank	4
9:1 CF:DMF PLGA Blank	4
1,000 μS/cm Standard	1398
Double distilled water	5

Table S3. Average viscosity of solvents plus polymer, and solvent plus polymer and ACV.

Sample Name	Average Viscosity ± S.D. (Centipoise)
HFIP Alone	-5 ± 15
HFIP PLGA Blank	1307 ± 67
HFIP PLGA 1% ACV	512 ± 19
HFIP PLGA 10% ACV	491 ± 13
HFIP PLGA 20% ACV	579 ± 71
HFIP PLCL Blank	1294 ± 89
HFIP PLCL 1% ACV	727 ± 29
HFIP PLCL 10% ACV	762 ± 37
HFIP PLCL 20% ACV	827 ± 48
TFE PLGA Blank	90 ± 12
3:1 CF:DMF PLGA Blank	90 ± 23
9:1 CF:DMF PLGA Blank	89 ± 18