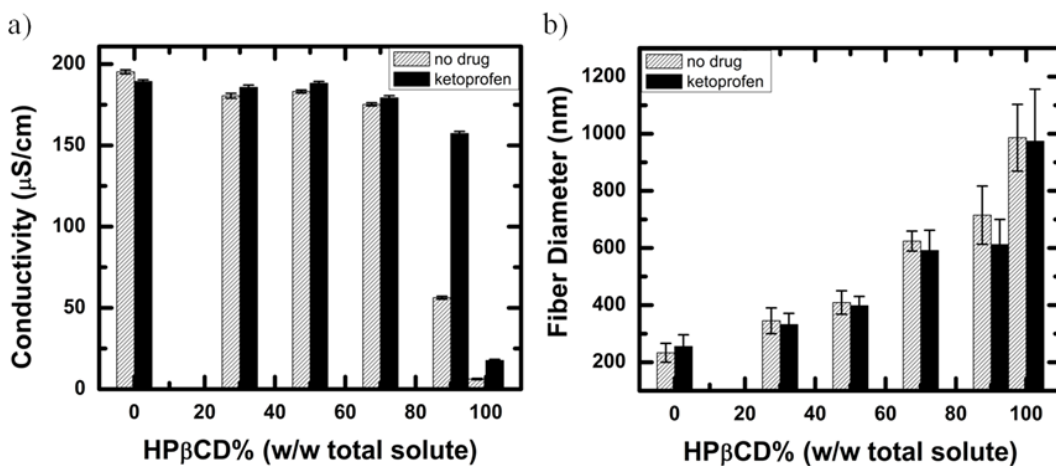
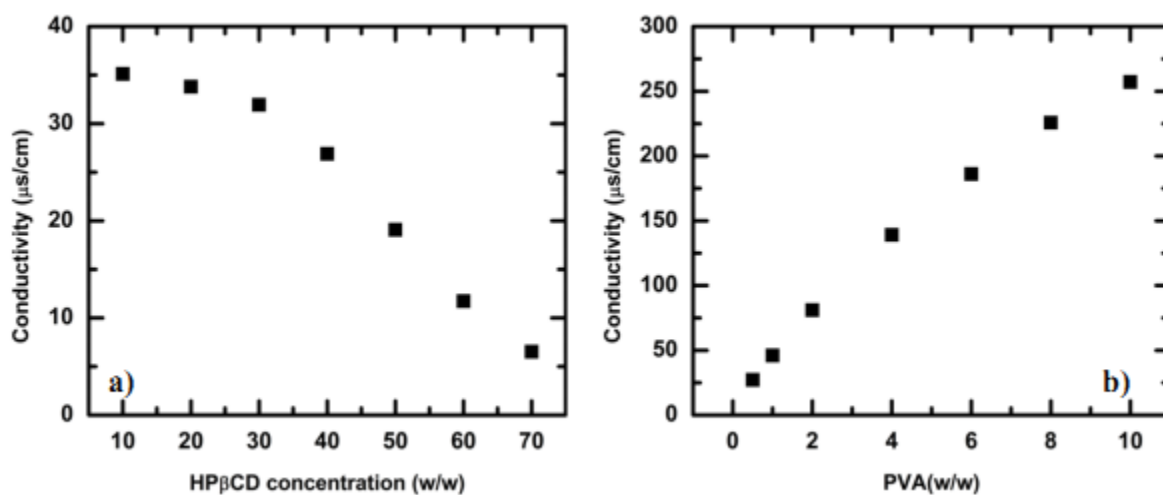


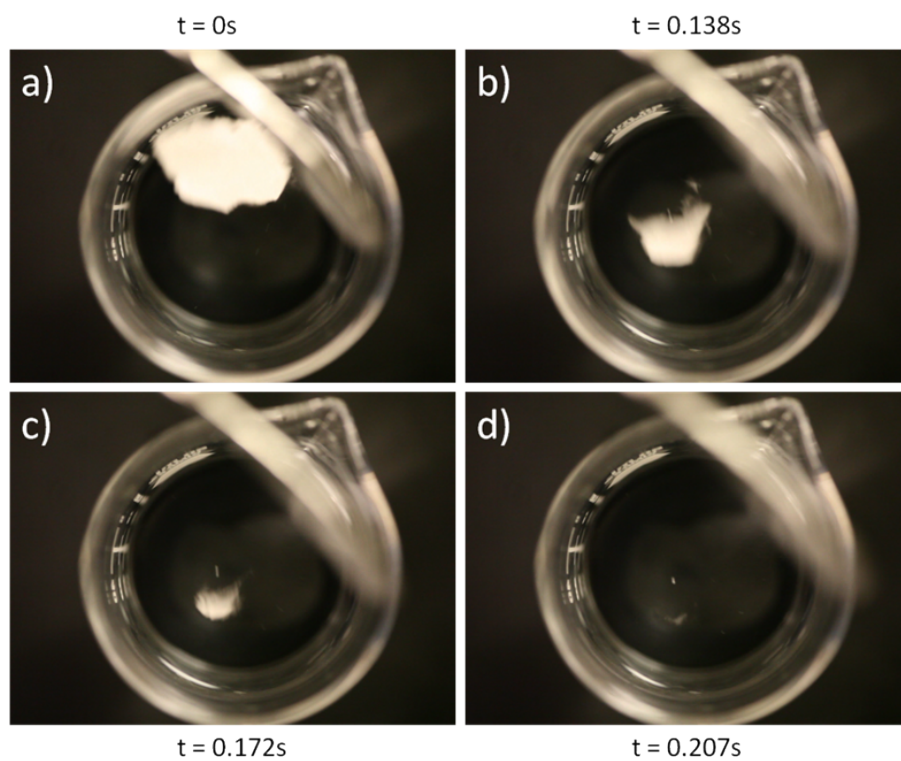
Supplementary Information



ESI, Figure 1: The a) conductivity of the PVA/HP β CD electrospinning solutions and b) average fiber diameter of fibers produced as a function of HP β CD% (w/w total solute) of neat and ketoprofen loaded fibers.



ESI, Figure 2: The conductivity of neat (a) HP β CD and (b) PVA in aqueous solutions as a function of concentration. Conductivity decreases with increasing HP β CD content, but increases with increasing PVA content.



ESI, Figure 3: The evolution of the dissolution of ketoprofen loaded HP β CD fibers with respect to time.

Blend (HP β CD/PVA)	Viscosity (cP)		Surface Tension (dynes/cm)	
	without drug	ketoprofen loaded	without drug	ketoprofen loaded
0/100	185 \pm 7	192 \pm 8	52.7 \pm 0.7	51.0 \pm 0.6
30/70	195 \pm 9	212 \pm 11	53.5 \pm 0.5	51.7 \pm 0.7
50/50	344 \pm 10	325 \pm 11	54.2 \pm 0.9	52.3 \pm 0.6
70/30	554 \pm 16	524 \pm 12	54.5 \pm 0.9	53.7 \pm 0.9
90/10	213 \pm 12	221 \pm 12	58.6 \pm 0.7	58.6 \pm 0.5
100/0	3250 \pm 45	3451 \pm 34	58.0 \pm 0.9	57.2 \pm 0.8

ESI, Table 1: Solution parameters for aqueous electrospinning solutions containing HP β CD/PV A blends with and without ketoprofen.