

# Effect of poor solvent addition on Beads formation in Electrospinning of Poly(vinyl alcohol)

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We studied the effect of solubility of PVA into good/poor solvent on the formation of beads in electrospinning. Samples are prepared as shown in Table1. The beads were formed easily with increasing amount of ethanol as shown in Fig.1. Consequently, we found that the formation of beads was induced by decreasing solubility of PVA into solvents.

Table 1 Blending ratio of samples.

Sample	PVA solution (ml)	Ethanol (ml)
6/0	6	0
6/1	6	1
6/2	6	2
6/4	6	4
6/8	6	8
6/12	6	12

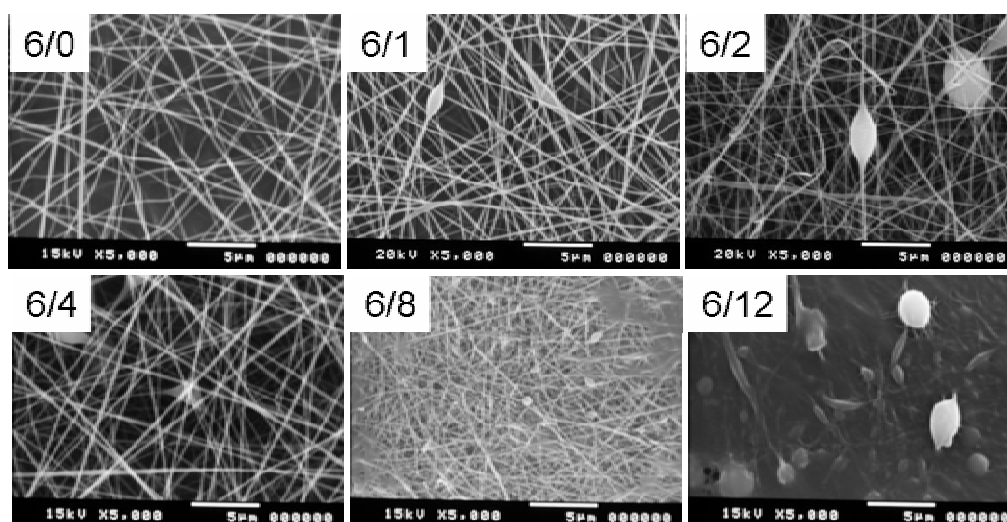


Fig.1 SEM images of electrospun fibers at different blend ratio.

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