

Materials List for:

In vitro Synthesis of Native, Fibrous Long Spacing and Segmental Long Spacing Collagen

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URL: <https://www.jove.com/video/4417>

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Materials

Name	Company	Catalog Number	Comments
Type I collagen monomer (~3 mg/ml in 0.01 N HCl)	Inamed Advanced Biomatrix	5409 5005-B	Lot 1261443 (2.9 mg/ml, pH 2.1) Lot 1629346 (3.2 mg/ml, pH 2.1) Lot 6006 (3.2 mg/ml, pH 2.1)
ATP	Research Biochemicals International	A-141	Lot FBJ-1194A
α1-acid glycoprotein from bovine plasma	Sigma-Aldrich	G3643	Lot 051K7440 (89.8%) Lot 011K7410 (82%) Lot 065K7405 (71.2%) Lot 063K7495 (71.9%) Lot 117K7535 (75.9%) (protein + water content)
α1-acid glycoprotein from human plasma	Sigma-Aldrich	G9885	Lot 128H7606 (70.9%) Lot 049K7565V (68%) (protein + water content)
mica	Ted Pella	53	
Pointprobe - Silicon SPM-Sensor	Nanoworld	NHC	Silicon AFM probe that we use for intermittent contact mode
Veeco Nanoprobe Tips	Veeco (now Bruker AFM probes)	NP-S	Silicon nitride AFM probe that we use for contact mode