

Materials List for:

Demonstrating the Uses of the Novel Gravitational Force Spectrometer to Stretch and Measure Fibrous Proteins

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URL: <https://www.jove.com/video/2624>

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Materials

Name	Company	Catalog Number	Comments
3-Aminopropyltriethoxysilane	Polysciences, Inc.	919-30-2	
Acetone	Fisher Scientific	A18P-4	
Pyridine	Sigma-Aldrich	110-86-1	
Glutaraldehyde	Fisher Scientific	G7776	
Glycine	Research Organics	BP381-1	
Tris	Sigma-Aldrich	9682T	
Sodium azide	Amresco	71289	
BSA	Sigma-Aldrich	AMR-0332-100G	
NaCl	Sigma-Aldrich	S7653	
EDTA	MSI	E9884	
Nitrocellulose	Sigma-Aldrich	60443	
N-N Dimethyl Formamide	Extracted from Large New	D4254	
Rabbit skeletal myosin II	Zealand White Rabbits (7-8)	NA	
MF30 antibody (9-10)	Developmental Studies Hybridoma Bank	MF30	
MF20 antibody (6)	Hybridoma Bank	MF20	
Lab microscope	Boreal	WW57905M00	
Equatorial mount	Celestron	CG-5	
Digital video cam	Sony Corporation	XCDV60	
Caliper release	Cabelas	IA-415482	
Compression spring	Jones Spring Co.	723	
Extension spring	Jones Spring Co.	770	
ImageJ	National Institutes of Health	NA	
Fire-i drivers & application	Unibrain	3.80	
Excel	Microsoft	NA	