

Materials List for:

Utilization of Microscale Silicon Cantilevers to Assess Cellular Contractile Function *In Vitro*

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Materials

Name	Company	Catalog Number	Comments
Primary rat muscle growth medium			
Neurobasal medium	Life Technologies	21103-049	
B27 (50x)	Life Technologies	17504044	1x
Glutamax (100x)	Life Technologies	35050061	1x
G5 supplement	Life Technologies	17503-012	1x
Glial-Derived Neurotrophic Factor	Cell sciences	CRG400B	20 ng/ml
Brain-Derived Neurotrophic Factor	Cell sciences	CRB600B	20 ng/ml
Ciliary Neurotrophic Factor	Cell sciences	CRC400A	40 ng/ml
Neurotrophin-3	Cell sciences	CRN500B	20 ng/ml
Neurotrophin-4	Cell sciences	CRN501B	20 ng/ml
Acidic Fibroblast Growth Factor	Life Technologies	13241-013	25 ng/ml
Cardiotrophin-1	Cell sciences	CRC700B	20 ng/ml
Heparin Sulphate	Sigma	D9809	100 ng/ml
Leukemia Inhibitory Factor	Sigma	L5158	20 ng/ml
Vitronectin	Sigma	V0132	100 ng/ml
Primary rat muscle differentiation medium			
NB Activ 4	Brain Bits LLC	NB4-500	
Equipment			
Class 2 red diode laser	Newport		
Photo-detector	Noah Industries		
Model 2100 Pulse stimulator	A-M systems		
Multiclamp 700B Digitizer	Axon Instruments		
Patch clamp microscope and stage	Olympus		
Delta T4 culture dish controller	Biopetech		
Axoscope software	Molecular Devices		
LabVIEW software	National Instruments		
37 °C, 5% CO ₂ incubator	NAPCO		
Class 2 microbiological flow hood	Labconco		
Pipettes and tips	Eppendorf		