

Materials List for:

# Method for High Speed Stretch Injury of Human Induced Pluripotent Stem Cell-derived Neurons in a 96-well Format

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## Materials

Name	Company	Catalog Number	Comments
.010" Silicone Sheet	Specialty Manufacturing, Inc	#70P001200010	Polydimethylsiloxane (PDMS) sheet
Sparkleen	Fisher Scientific	#043204	
Nunc 256665	Fisher Scientific	#12-565-600	Bottomless 96 Well Plate
Kim Wipes	ULINE	S-8115	
Plasma Cleaner	Harrick Plasma	#PDC-001-HC	
(3-Aminopropyl) triethoxysilane	Sigma-Aldrich	#440140	APTES
Parchment Paper	Reynolds	N/A	
Dome Light	CCS inc	LFX2-100SW	
Dome Light Power Supply	CCS inc	PSB-1024VB	
Axial Diffuse Lighting Unit	Siemens	Nerlite DOAL-75-LED	Diffuse axial light
High Power LED Array	CREE	XLamp CXA2540	High Power LED Array
LED holder	Molex	1807200001	LED Holder
LED power supply	Mean Well	HLG-320H-36B	Constant Current Power Supply
FastCam Viewer software	Photron		camera software
Fastcam Mini UX50	Photron	N/A	High Speed Camera
Micro-NIKKOR 105mm f/2.8	Nikon	#1455	High Speed Camera Lens
0.1 mg/mL Poly-L-Ornithine	Sigma-Aldrich	#P4597	
iCells	Cellular Dynamics International	#NRC-100-010-001	
iCell media	Cellular Dynamics International	#NRM-100-121-001	
iCell supplement	Cellular Dynamics International	#NRM-100-031-001	
Laminin	Sigma-Aldrich	#L2020	
Hoechst 33342	Fisher Scientific	#H3570	
Calcein AM	Fisher Scientific	#C3099	
voice coil actuator	BEI Kimco	LA43-67-000A	
optical linear encoder	Renishaw	T1031-30A	
servo drive	Copley Controls	Xenus XTL	
Controller	National Instruments	cRIO 9024 Real Time PowerPC Controller	
cRIO chassis	National Instruments	cRIO 9113	
digital input module	National Instruments	NI 9411	
data acquisition chassis	National Instruments	NI 9113	
LabVIEW	National Instruments		instrument control software

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hiPSCNs	Cellular Dynamics International		
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