

Materials List for:

# High-resolution Imaging of Nuclear Dynamics in Live Cells under Uniaxial Tensile Strain

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## Materials

Name	Company	Catalog Number	Comments
<b>Primary cells</b>			Primary Oligodendrocyte Progenitor Cells isolated from Neonatal Rats were provided by Dr. S. Y. Chew's lab at Nanyang Technological University
<b>Media</b>			
DMEM high glucose	Gibco	11996-065-500ml	
Pen/Strep	Gibco	15070-063-100ml	
FGF	Prospec	CYT-608-50ug	
PDGF	Prospec	CYT-776-10ug	
<b>Media Stock components</b>			
BSA	Sigma	A9418-10G	
Progesterone	Sigma	P8783-1G	
Putrescine	Sigma	P5780-5G	
Sodium Selenite	Sigma	S5261-10G	
Tri-iodothyronine	Sigma	T6397-100MG	
Thyroxine	Sigma	T1775-100MG	
Holo-Transferrin	Sigma	T0665-500MG	
Insulin	Sigma	I9278	
Mold and PDMS plate			
PDMS - Dow Corning Sylgard 184	Ellsworth	184 SIL ELAST KIT 0.5KG	
Mold - Liquid Plastic	Smooth-On	Smooth Cast 310 - Trail Size	
Substrate Coatings			
poly-D-lysine	Sigma	P6407-5MG	
Fibronectin	Sigma	F1141-2MG	
<b>Histone staining</b>			
CellLigt H2B-GFP BacMam	Molecular Probes	C10594	
<b>Surface functionalization</b>			
APTES	Sigma	A3648-100ml	
BS3	Covachem	13306-100mg	
HEPES buffer pH 8.0	Alfa Aesar	J63578-AK-250ml	
<b>Cell detachment</b>			
Accutase	Invitrogen	A1110501-100ml	