

Materials List for:

# Mechanical Stimulation of Chondrocyte-agarose Hydrogels

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## Materials

Name	Company	Catalog Number	Comments
Ham's F-12	Thermo Fisher Scientific	SH3001002	
Collagenase A	Sigma Aldrich Ltd.	C0130	
Protease	Sigma Aldrich Ltd.	P5147	
Fetal Bovine Serum	Sigma Aldrich Ltd.	F1051	
Ascorbate	Sigma Aldrich Ltd.	A4034	
Antibiotics/antimycotics	Sigma Aldrich Ltd.	A5955	
HEPES	Bioshop Canada Ltd.	HEP001	
Trypan blue	Sigma Aldrich Ltd.	93595	
Reichert Bright-Line Hemacytometer	Hausser Scientific	1490	
Quant-iT PicoGreen	Invitrogen	P7589	
Papain from papaya latex	Sigma Aldrich Ltd.	P3125	
Ammonium Acetate	Sigma Aldrich Ltd.	A1542	
Ethyldiaminetetraacetic Acid	Sigma Aldrich Ltd.	E9884	
DL-Dithiothreitol	Sigma Aldrich Ltd.	43819	
Low Melting Point Agarose, Type VII	Sigma Aldrich Ltd.	A9045	
Mesh Screen (200) Filter	Sigma Aldrich Ltd.	S4145	
Mach-1 Micromechanical Tester	Biomomentum Inc.	V500cs	
Compression Loading Jig	Custom-built		Similar product could be supplied by Biomomentum Inc.
Falcon 24 Well Culture Plate	Thermo Fisher Scientific	B353047	
β-Liquid Scintillation Counter	Beckman Coulter	LS6500	
[3H] Proline	Perkin-Elmer	NET323005MC	
[35S] Sulfur	Perkin-Elmer	NEX041005MC	