

Materials List for:

Magnetic Resonance Elastography Methodology for the Evaluation of Tissue Engineered Construct Growth

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URL: <https://www.jove.com/video/3618>

DOI: [doi:10.3791/3618](https://doi.org/10.3791/3618)

Materials

Name	Type	Company	Catalog Number	Comments
MSCGM-Bullet Kit	Reagent	Lonza Inc.	PT-3001	Store at 4°C
1X DPBS	Reagent	Invitrogen	21600-010	
0.05% Trypsin-EDTA	Reagent	GIBCO, by Life Technologies	25300-054	Store at -20°C
Dexamethasone	Reagent	Sigma-Aldrich	D2915	
3-Isobutyl-1-methylxanthine	Reagent	Sigma-Aldrich	I5879	Store at -20°C
Insulin-bovine pancreas	Reagent	Sigma-Aldrich	I6634	Store at -20°C
Indomethacin	Reagent	Sigma-Aldrich	I7378	
B-Glycerophosphate	Reagent	Sigma-Aldrich	G9891	
L-Ascorbic Acid 2-phosphate	Reagent	Sigma-Aldrich	A8960	
Gelfoam	Scaffold	Pharmacia Corporation (Pfizer)	09-0315-08	
Human mesenchymal stem cells	Cell Line	Lonza Inc.	PT-2501	
9.4T MR Scanner	Equipment	Agilent Technologies		400MHz WB
10mm Litz Coil	Equipment	Doty Scientific		
Laser Doppler Vibrometer	Equipment	Polytec	PDV-100	
Vibrosoft (20)	Software	Polytec		
Function generator	Equipment	Agilent Technologies	AFG 3022B	
Amplifier	Equipment	Piezo Inc.	EPA-104-115	
Piezo Bending motor	Equipment	Piezo Inc.	T234-A4CI-203X	
Computer-Linux	Equipment	Intel		Processor: Intel Core 2 Duo E8400, Memory: 2G
Computer-Windows	Equipment	Intel		Processor: Intel Core 2 Duo E8400, Memory: 2G
MATLAB	Software	Mathworks		2009b