

Materials List for

Preparation of 3D Decellularized Matrices from Fetal Mouse Skeletal Muscle for Cell Culture

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jove.com/video/65069

Materials

Name	Company	Catalog Number	Comments
12 Well Cell Culture Plate, Flat, TC, Sterile	Abdos Labware	P21021	
4',6-Diamidino-2-phenylindole dihydrochloride	Merck	D8417	
4–20% Mini-PROTEAN TGX Precast Gel	Bio-Rad	4561093	
48 Well Cell Culture Plate, Flat, TC, Sterile	Abdos Labware	P21023	
96 Well Cell Culture Plate, Flat, TC, Sterile	Abdos Labware	P21024	
Bovine Serum Albumin, Fraction V	NZYtech	MB04601	
BX60 fluorescence microscope	Olympus		
Cryostat CM1860 UV	Leica		
Dithiothreitol	ThermoFisher	R0862	
DMEM high glucose w/ stable glutamine w/ sodium pyruvate	Biowest	L0103-500	
DNase I	PanReac AppliChem	A3778	
DNeasy Blood & Tissue Kit	Qiagen	69506	
Ethylenediaminetetraacetic acid (EDTA)	Merck	108418	
Fetal bovine serum	Biowest	S1560-500	
Fine tip transfer pipette	ThermoFisher	15387823	
Goat serum	Biowest	S2000-100	
Hera Guard Flow Cabinet	Heraeus		
Heracell 150 CO2 Incubator	Thermo Scientific		
HiMark Pre-stained Protein Standard	Invitrogen		
Horse Serum, New Zealand origin	Gibco	16050122	
HRP- α - Rabbit IgG	abcam	ab205718	
HRP- α - Rat IgG	abcam	ab205720	

HRP- α -Mouse IgG	abcam	ab205719	
ImageJ v. 1.53t			
Methyl Green	Sigma-Aldrich	67060	
MM400 Tissue Lyser	Retsch		
NanoDrop ND-1000 Spectrophotometer	ThermoFisher		
Paraformaldehyde, 16% w/v aq. soln., methanol free	Alfa Aesar	043368-9M	
Penicillin-Streptomycin (100x)	GRiSP	GTC05.0100	
Phalloidin Alexa 488	Thermo Fisher Sci.	A12379	
Polystyrene Petri dish 60x15mm with vents (sterile)	Greiner Bio-One	628161	
Qubit dsDNA HS kit	Thermo Scientific	Q32851	
Qubit™ 3 Fluorometer	Invitrogen	15387293	
S6E Zoom Stereo microscope	Leica		
Sodium Dodecyl Sulfate	Merck	11667289001	
SuperFrost® Plus adhesion slides	Thermo Scientific	631-9483	
SuperSignal West Pico PLUS Chemiluminescent Substrate	Thermo Scientific	15626144	
TCS SPE confocal microscope	Leica		
Tris-(hidroximetil) aminometano (Tris base) $\geq 99\%$	VWR Chemicals	28811.295	
Triton X-100	Sigma-Aldrich	X100-100ML	
Trypan Blue Solution, 0.4%	Gibco	15250061	
Trypsin-EDTA (0.05%) in DPBS (1X)	GRiSP	GTC02.0100	
TWEEN 20 (50% Solution)	ThermoFisher	3005	
WesternBright PVDF-CL membrane roll (0.22 μ m)	Advanta	L-08024-001	
α -Collagen I	abcam	ab21286	
α -Collagen IV	Millipore	AB756P	
α -Collagen IV	Santa Cruz Biotechnology	sc-398655	
α -Fibronectin	Sigma	F-3648	
α -Laminin $\alpha 2$	Sigma	L-0663	
α -MHC	D.S.H.B.	MF20	
α -Mouse Alexa 488	Molecular Probes	A11017	
α -Mouse Alexa 568	Molecular Probes	A11019	
α -pan-Laminin	Sigma	L- 9393	
α -phospho-histone 3	Merk Millipore	06-570	
α -Rabbit Alexa 568	Molecular Probes	A21069	
α -Rabbit Alexa 488	Molecular Probes	A11070	
α -Rat Alexa 488	Molecular Probes	A11006	