

Materials List for:

Chondrogenic Differentiation Induction of Adipose-derived Stem Cells by Centrifugal Gravity

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Materials

Name	Company	Catalog Number	Comments
Plasticware			
100 mm Dish	TPP	93100	
60 mm Dish	TPP	93060	
50 mL Conical Tube	SPL	50050	
15 mL Conical Tube	SPL	50015	
10 mL Disposable Pipette	Falcon	7551	
5 mL Disposable Pipette	Falcon	7543	
ASC Culture Media Materials			
DPBS	Life Technologies	14190-144	
DMEM Low glucose	Life Technologies	11885-084	growth base media
Penicilin Streptomycin	Sigma Aldrich	P4333	1%
Fetal Bovine Serum	Life Technologies	16000-044	10%
PBS/1 mM EDTA	Life Technologies	12604-039	
Chondrogenic Differentiation Media Materials			
DMEM High glucose	Life Technologies	11995	chondrogenic differentiation base media
MEM Non-Essential Amino Acids Solution (100x)	Life Technologies	11140-050	
Dexamethasone	Sigma Aldrich	D2915	100 nM
Penicilin Streptomycin	Life Technologies	P4333	1%
Fetal Bovine Serum	Life Technologies	16000-044	1%
Ascorbate-2-phosphate	Sigma Aldrich	A8960	50 µg/mL
L-proline	Sigma Aldrich	P5607	50 µg/mL
ITS	BD	354352	1%
Human TGFβ1	Peptotech	100-21	10 ng/mL
Materials			
18 mm Cover Glass	Superior	HSU-0111580	
4% Paraformaldehyde	Tech & Innovation	BPP-9004	
Tween 20	BIOSESANG	T1027	
Bovine Serum Albumin	Vector Lab	SP-5050	
Anti-Collagen II antibody	abcam	ab34712	1:100
Goat anti-Rabbit IgG (H+L) Secondary Antibody, Alexa Fluor 594 conjugate	Molecular Probe	A-11037	1:200
DAPI	Molecular Probe	D1306	

Prolong gold antifade reagent	Invitrogen	P36934	
Slide Glass, Coated	Hyun Il Lab-Mate	HMA-S9914	
Trizol	Invitrogen	15596-018	
Chloroform	Sigma Aldrich	366919	
Isopropylalcohol	Millipore	109634	
Ethanol	Duksan	64-17-5	
RevertAid First Strand cDNA Synthesis kit	Thermo Scientific	K1622	
i-Taq DNA Polymerase	iNtRON BIOTECH	25021	
UltraPure 10x TBE Buffer	Life Technologies	15581-044	
loading star	Dyne Bio	A750	
Agarose	Sigma-Aldrich	9012-36-6	
1 kb (+) DNA ladder marker	Enzynomics	DM003	
Human adipose-derived stem cells (ASCs)	Catholic MASTER Cells		