

Materials List for:

A Protocol to Acquire the Degenerative Tenocyte from Humans

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Materials

Name	Company	Catalog Number	Comments
Scalpel	Kisanbio	KS-Q0306-15	No. 15
Mini-blade	Beaver	374769	
Dulbecco's modified Eagle's medium (DMEM)	Gibco	11995065	
PBS	Gibco	14190250	
fetal bovine serum (FBS)	Gibco	16000044	
50 mM ascorbic acid-2-phosphate	Sigma-Aldrich	A5960	
Antibiotic-Antimycotic solution	Gibco	15240062	
4% formaldehyde	Bio-solution	BP031	
Triton X-100	Sigma-Aldrich	X100-100ml	
BSA	Rdtech	C0082	
TWEEN 20	Sigma-Aldrich	P9416-100ml	
MKX (C-5)	Santa cruz biotechnology	sc-515878	
Tenomodulin (N-14)	Santa cruz biotechnology	sc-49325	
Fluorescence Mounting Medium	DAKO	S3023	
DAPI (4',6-Diamidino-2-Phenylindole, Dihydrochloride)	Thermo Fisher Scientific	D1306	
WST-1	Dojindo Molecular Technologies	CK04	
BrdU Cell Proliferation Assay Kit	Cell Signaling Technology	#6813	
TRIzol Reagent	Invitrogen	15596018	
iScript cDNA Synthesis Kit	Bio-Rad	170-8891	
TaqMan Gene Expression Master Mix	Applied Biosystems	4369016	
GAPDH	Thermo Fisher Scientific	Hs02786624_g1	
COL3A1	Thermo Fisher Scientific	Hs00943809_m1	
ACTA2	Thermo Fisher Scientific	Hs00426835_g1	
TAC1	Thermo Fisher Scientific	Hs00243225_m1	
TACR1	Thermo Fisher Scientific	Hs00185530_m1	
PTGS2	Thermo Fisher Scientific	Hs00153133_m1	
ACTB	Thermo Fisher Scientific	Hs99999903_m1	
Cell Strainers (100 µm)	Corning	352360	
100mm culture dish	Thermo Fisher Scientific	8188207	

8-well Chamber Slide	Thermo Fisher Scientific	154534	
96 Well Clear Flat Bottom Polystyrene TC-Treated Microplates	Corning	3596	
Nikon Eclipse 50i Microscope	Nikon		
VERSA max microplate reader	Molecular Devices		
CFX96 Real-Time PCR Detection System	Bio-Rad		
Formalin solution, neutral buffered, 10%	Sigma-Aldrich	HT501128	
Paraffins	Leica Biosystems	3801340	
Ethanol	JUNSEI CHEMICAL	90303-2185	
Hematoxylin	DAKO	CS70030-2	
Eosin	DAKO	CS70130-2	
Alcian blue	DAKO	AR16011-2	
Citric acid	Sigma-Aldrich	251275	
Xylene	JUNSEI CHEMICAL	25165-0430	
Endogenous peroxidases	DAKO	S200380-2	
Canada balsam	JUNSEI CHEMICAL	23255-1210	
Microtome Blade	FEATHER	A35	
Slide glass	SUPERIOR	1000612	
Cover glass	Marienfeld-Superior	101050	
VEGF	Santa cruz biotechnology	sc-7269	
SPSS Software	IBM		Ver. 18.0
Multi-purpose Centrifuge	LABOGENE	1248R	