

Materials List for

Gelatin Zymography to Detect Gelatinase Activity in Melanoma Cells

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URL

jove.com/video/63278

Materials

Name	Company	Catalog Number	Comments
22 µm syringe filters	Nest	331011	
Acetic acid, 80% solution	Chempur	115687330	
Acrylamide/bis-acrylamide, 30% Solution, 37.5:1	Bioshop	ACR010.500	
Amicon Ultra-15 Centrifugal Filter Units	Millipore	UFC901008	ultracentrifugal filter units with 10 kDa cutoff
Ammonium Persulfate (APS)	Sigma-Aldrich	A-3678	
Antibiotic-Antimycotic	Gibco	15240062	
Bradford reagent	Sigma	B6916	
Bromophenol blue	Polskie Odczynniki Chemiczne	184070219	
Calcium chloride dihydrate - CaCl ₂ · 2H ₂ O	Sigma-Aldrich	C-5080	
ChemiDoc System	Bio-rad		imaging system
Coomassie Brilliant Blue R-250	Merck	1.12553.0025	
Ethanol	Chempur	1139641800	
FastGene Q-Stain	NIPPON Genetics EUROPE	FG-QS1	
Fetal Bovine Serum - FBS	Gibco	10270-106	
Gelatin from porcine skin	Sigma-Aldrich	G-8150	
Glycerol	Sigma-Aldrich	L-4909	
glycine	BioShop	CAS #56-40-6	
high glucose Dulbecco's modified Eagle's medium with reduced concentration (1.5 g/l) of NaHCO ₃	Pracownia Chemii Ogólnej IITD PAN	11-500	
ImageJ software (Fiji)	https://imagej.nih.gov/ij/	version 1.52p	
ImageLab software	Bio-rad		
L-Glutamine	Gibco	25030-024	
Mini-PROTEAN Tetra Cell	Bio-Rad	#1658001EDU	
N,N,N',N'-Tetramethylethylenediamine (TEMED)	Sigma-Aldrich	T9281	

PageRuler Prestained Protein Ladder	Thermo Fisher Scientific	26616	
Pierce BCA Protein Assay Kit	Thermo Fisher Scientific	23225	
PowerPac Basic Power Supply	Bio-rad	1645050EDU	
Sodium chloride - NaCl	Chempur	7647-14-5	
Sodium dodecyl sulfate (SDS)	Sigma-Aldrich	L4509	
Tissue-culture 75 cm ² flask	VWR	10062-872	
Trisma base	Sigma-Aldrich	T1503	
Triton X-100	Sigma-Aldrich	X100	