

Materials List for:

An Efficient Sieving Method to Isolate Intact Glomeruli from Adult Rat Kidney

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Materials

Name	Company	Catalog Number	Comments
Solutions, Chemicals, and Animals			
Sprague-Dawley Rats	Envigo	207M	
Bovine serum albumin	Fisher	BP1605100	
Hank's Balanced Salt Solution with Ca ²⁺ and Mg ²⁺	Thermo	14025092	
1x Phosphate Buffered Saline	VWR	97063-660	
Protamine sulfate	MP Bio	ICN15197105	
Karnovsky's Fixative			
Gelatin			
Paraformaldehyde	EMD	EM-PX0055-3	
O.C.T.	Scigen	23730571	
RIPA Buffer			
Halt Protease Inhibitors	Thermo	PI78442	
Nephrin Antibody	Fitzgerald	2OR-NP002	
WT-1 Antibody	Abcam	ab89901-10ul	
PDGFR-β Antibody	Cell Signaling	#3169S	
CD31 Antibody	LSBio	LS-C348736	
Cleaved caspase-3 antibody	Cell Signaling	9661S	
Poly/Bed 812 (Luft) epoxy	Polysciences	08792-1	
Equipment			
Carbon dioxide chamber			
Conical tubes, 15 mL			
Conical tubes, 50 mL			
Surgical scissors			
Surgical forceps			
Sterile gauze			
Petri dishes, 100 mm			
Scalpels			
Razor blades			
Sterile filter apparatus			
Sieve Pan	Alfa Aesar	AA39999ON	
180um Sieve	Alfa Aesar	AA39996ON	
90um Sieve	Alfa Aesar	AA39990ON	
75um Sieve	Alfa Aesar	AA39991ON	

10 mL syringes			
600 mL beakers			
Cell culture incubator			
Picofuge			
Vortex			
Tissue Homogenizers	Fisher Scientific	50550226	
20 G needles			
Leica Reichart Ultracut			ultramicrotome