

Materials List for

Expansion Pathology: A Method for High-resolution Optical Imaging of Clinical Tissue Samples

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Materials

Name	Company	Catalog Number	Comments
6-well glass-bottom plate (#1.5 coverglass)	Cellvis	P06-1.5H-N	
Acetone	Fischer Scientific	A18-500	
Acrylamide	Sigma Aldrich	A8887	
Acryloyl-X SE, (AcX)	Invitrogen	A20770	
Agarose	Fischer Scientific	BP160-100	
Ammonium persulfate (APS)	Sigma Aldrich	A3678	Initiator
DAPI (1 mg/mL)	Thermo Scientific	62248	Nuclear stain
Diamond knife No. 88 CM	General Tools	31116	
Ethanol	Pharmco	111000200	
Ethylenediaminetetraacetic acid (EDTA) 0.5 M	VWR	BDH7830-1	
FFPE Kidney Sample	USBiomax	HuFPT072	
Forceps			
Micro cover Glass #1 (24 mm x 60 mm)	VWR	48393 106	
Micro cover Glass #1.5 (24 mm x 60 mm)	VWR	48393 251	
N,N,N',N'-Tetramethylethylenediamine (TEMED)	Sigma Aldrich	T9281	Accelerator
N,N'-Methylenebisacrylamide	Sigma Aldrich	M7279	
Nunclon 6-Well Cell Culture Dish	Thermo Fisher	140675	
Nunc 15 mL Conical	Thermo Fisher	339651	
Nunc 50 mL Conical	Thermo Fisher	339653	
Orbital Shaker			
Paint brush			
pH Meter			
Phosphate Buffered Saline (PBS) 10x Solution	Fischer Scientific	BP399-1	
Plastic Petri Dish (100 mm)	Fischer Scientific	FB0875713	
Proteinase K (Molecular Biology Grade)	Thermo Scientific	EO0491	
Razor blade	Fischer Scientific	12640	
Safelock Microcentrifuge Tubes 1.5 mL	Thermo Fisher	3457	
Safelock Microcentrifuge Tubes 2.0 mL	Thermo Fisher	3459	

Sodium acrylate	Sigma Aldrich	408220	
Sodium chloride	Sigma Aldrich	S6191	
Sodium citrate tribasic dihydrate	Sigma Aldrich	C8532-1KG	
Tris Base	Fischer Scientific	BP152-1	
Triton X-100	Sigma Aldrich	T8787	
Xylene	Sigma Aldrich	214736	