

Materials List for

Imaging of Podocytic Proteins Nephryn, Actin, and Podocin with Expansion Microscopy

Eva Königshausen^{*1}, Christina Theresa Schmitz^{*1}, Lars Christian Rump¹, Lorenz Sellin¹

¹Department of Nephrology, Medical Faculty, Heinrich-Heine-University

*These authors contributed equally

Corresponding Author

Lorenz Sellin

Lorenz.Sellin@med.uni-duesseldorf.de

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jove.com/video/62079

Materials

Name	Company	Catalog Number	Comments
Acrylamide>99%	Sigma-Aldrich	A3553-100G	
6-((Acryloyl)amino)hexanoic acid, succinimidyl ester, Acryloyl-X, SE	invitrogen	A-20770	store up to 4 months
APS	Sigma-Aldrich	A3678-25G	
Deckgläser (cover glasses)	Engelbrecht	K12432	24x32mm #1.0
Diamont cutter	VWR	201-0392	for cutting the cover slips
Guanidine HCl	Sigma-Aldrich	G3272-100G	8M Stock can be kept at RT
Marten hair paintbrush	Leon Hardy	3 (770)	
"Menzel" Deckgläser (cover glasses)	Thermo Fischer	15654786	24x24mm #1.5
N,N'-Methylenbisacrylamide	Sigma-Aldrich	M7256-25G	
Objektträger UniMark	Marienfeld	703010	
Proteinase K	New England Biolabs	P8107S	
Sodium Acrylate	Sigma-Aldrich	408220	check purity
Sodium Bicarbonate	Sigma-Aldrich	S5761	
Staining chamber			produced at the university's workshop
TEMED	ROTH	2367.1	
6-Well glass bottom plates	Cellvis	P06-1.5H-N	
Antibodies			
Actin-ExM 546	chrometra	non-available	1:40
Anti Podocin produced in rabbit	Sigma	P-0372-200UL	1:200
Donkey anti guinea-pig CF633	Sigma	SAB4600129-50UL	1:200
Goat anti rabbit 488	Life Technologies	A11034	1:1000
Guinea pig anti nephryn	Origene	BP5030	1:100
Software			
FIJI			
Visiview			

microscope			
AXIO Observer Z1	Zeiss	non-available	