

Materials List for:

Optical Clearing and Imaging of Immunolabeled Kidney Tissue

Turgay Saritas¹, Victor G. Puelles^{1,2,3}, Xiao-Tong Su⁴, David H. Ellison^{4,5,6}, Rafael Kramann^{1,7}

¹Division of Nephrology and Clinical Immunology, University Hospital RWTH Aachen

²III. Department of Medicine, University Medical Center, Hamburg-Eppendorf

³Department of Nephrology, Monash Health

⁴Division of Nephrology and Hypertension, Oregon Health and Science University

⁵Renal Section, Veterans Affairs Portland Health Care System

⁶Fondation LeDucq Transatlantic Networks of Excellence

⁷Department of Internal Medicine, Nephrology and Transplantation, Erasmus Medical Center

Correspondence to: Turgay Saritas at tsaritas@ukaachen.de

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Materials

Name	Company	Catalog Number	Comments
0.22 µm filter	Fisher Scientific	09-761-112	
15 mL conical tube	Fisher Scientific	339650	
21 gauge butterfly needle	Braun	Venofix	
3-way stopcock	Fisher Scientific	K420163-4503	
3D analysis software	Bitplane AG	IMARIS	
3D analysis software	Cellprofiler		free open-source software
5-0 silk suture	Fine Science Tools	18020-50	
50 ml plastic syringes	Fisher Scientific	14-817-57	
Anti-BrdU monoclonal antibody	Roche	11296736001	
Antibody diluent	Dako	S0809	
CD31-647	BioLegend	102516	
Citrate-based antigen retrieval solution	Vector Laboratories	H-3300	
curved hemostat	Fisher Scientific	13-812-14	
Dako Wash Buffer	Agilent	S3006	
dissecting microscope	Motic	DSK-500	
Embedding cassettes	Carl Roth	E478.1	
Ethanol	Merck	100983	
Ethyl cinnamate	Sigma-Aldrich	112372	
Flexible film/Parafilm M	Sigma-Aldrich	P7793	
Goat anti-AQP2	Santa Cruz Biotechnology	sc-9882	
Guinea pig anti-NKCC2	N/A	N/A	DOI: 10.1681/ASN.2012040404
HCl	Carl Roth	P074.1	
Heparin	Sagent Pharmaceuticals	401-02	
hemostat	Agthos	312-471-140	
horizontal rocker	Labnet	S2035-E	
Imaging dish	Ibidi	81218	
Ketamine	MWI Animal Health	501090	
Micro serrefine	Fine Science Tools	18052-03	
NaOH	Fisher Scientific	S318-500	

Operating scissors	Merit	97-272	
Paraformaldehyde	Thermo Fischer Scientific	O4042-500	
Rabbit anti-phoshoThr53-NCC	PhosphoSolutions	p1311-53	
Silicone elastomer	World Precision Instruments Kwik-Sil	KWIK-SIL	
Sodium azide	Sigma-Aldrich	S2002	
Tissue slicer	Zivic Instruments	HSRA001-1	
Triton X-100	Acros Organics	AC215682500	
Vannas scissors	Fine Science Tools	15000-00	
Vibratome	Lancer	Series 1000	
Xylazine	MWI Animal Health	AnaSed Inj SA (Xylazine)	