

Materials List for:

The Mouse Isolated Perfused Kidney Technique

Jan Czogalla¹, Frank Schweda², Johannes Loffing¹

¹Institute of Anatomy, Swiss National Centre of Competence in Research Kidney, University of Zürich

²Department of Physiology, University of Regensburg

Correspondence to: Jan Czogalla at jan.czogalla@uzh.ch

URL: <https://www.jove.com/video/54712>

DOI: [doi:10.3791/54712](https://doi.org/10.3791/54712)

Materials

Name	Company	Catalog Number	Comments
Perfusion Circuit:			
Moist chamber 834/8	Harvard Apparatus/Hugo Sachs Elektronik GmbH	73-2901	
Cannular with basket and side port	Harvard Apparatus/Hugo Sachs Elektronik GmbH	73-2947	
Thermostat TC120-ST5	Harvard Apparatus/Hugo Sachs Elektronik GmbH	73-4544	
ISM 827/230V Roller Pump Reglo Analogue	Harvard Apparatus/Hugo Sachs Elektronik GmbH	73-0114	
Reservoir jacketed for buffer solution 1 L	Harvard Apparatus/Hugo Sachs Elektronik GmbH	73-3438	
Reservoir jacketed for buffer solution 0.5 L	Harvard Apparatus/Hugo Sachs Elektronik GmbH	73-3436	
Pressure Transducer APT300	Harvard Apparatus/Hugo Sachs Elektronik GmbH	73-3862	
TAM-D Plugsys Transducer	Harvard Apparatus/Hugo Sachs Elektronik GmbH	73-1793	
SCP Plugsys servo controller	Harvard Apparatus/Hugo Sachs Elektronik GmbH	73-2806	
Windkessel	Harvard Apparatus/Hugo Sachs Elektronik GmbH	73-3717	
HSE-USB data acquisition	Harvard Apparatus/Hugo Sachs Elektronik GmbH	73-3330	
Low-Flux Dialysator Diacap Polysulfone	B.Braun	7203525	
PE-Tubing for aorta cannulation 1.19 mm I.D. x 1.70 mm O.D.	Scientific Commodities Inc.	BB31695-PE/8	
Name			
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Buffer reagents:			
Aminoplasma 10%	B.Braun	134518064	
Sodium pyruvate	Sigma-Aldrich	P2256-25G	
L-Glutamic acid monosodium salt hydrate	Sigma-Aldrich	G1626-100G	
L(-)-Malic acid sodium salt	Sigma-Aldrich	M1125-25G	
Sodium-L-Lactate	Sigma-Aldrich	L7022-10G	
alpha-Ketoglutaric acid sodium salt	Sigma-Aldrich	K1875-25G	
NaCl	Sigma-Aldrich	31434-1KG-R	
NaHCO ₃	Sigma-Aldrich	S5761-5KG	
KCl	Sigma-Aldrich	60130-1KG	

Urea	Sigma-Aldrich	U5378-500G	
Creatinine	Sigma-Aldrich	C4255-10G	
Ampicillin	Roche	10835242001	
MgCl ₂ * 6H ₂ O	Sigma-Aldrich	M2393-500G	
D-Glucose	Sigma-Aldrich	G8270-1KG	
CaCl ₂ * 6H ₂ O	Riedel-de-Haën	12074	
NaH ₂ PO ₄	Sigma-Aldrich	S9638-500G	
Na ₂ HPO ₄	Sigma-Aldrich	S0876-500G	
Antidiuretic Hormone dDAVP	Sigma-Aldrich	V2013-1MG	
FITC-Inulin	Sigma-Aldrich		
Filter used for erythrocyte filtration	Macherey-Nagel	MN 615	
BGA Analysis:			
ABL 80 flex	Radiometer Medical ApS		
Electron Microscope:			
Philips CM100 TEM	FEI		