

Materials List for:

Preparation Steps for Measurement of Reactivity in Mouse Retinal Arterioles *Ex Vivo*

Adrian Gericke¹, Evgeny Goloborodko¹, Norbert Pfeiffer¹, Caroline Manicam¹

¹Department of Ophthalmology, University Medical Center of the Johannes Gutenberg University Mainz

Correspondence to: Adrian Gericke at adrian.gericke@unimedizin-mainz.de

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Materials

Name	Company	Catalog Number	Comments
Steel Scissors	Carl Roth GmbH	3576.1	1x 140 mm
Eye Scissors	Geuder	G-19390	1x straight, 10.5 cm
Precision tweezers, straight with fine tips	Carl Roth GmbH	LH68.1	2x type 4
Precision tweezers, straight with extra fine tips	Carl Roth GmbH	LH53.1	2x type 5
Vannas capsulotomy scissors	Geuder	19760	1x straight, 77 mm
Student Vannas Spring Scissors	Fine Science Tools	91501-09	1x curved,
<i>Barraquer</i> Needle Holder	Geuder	G-17500	1x curved, 120 mm
Needle	Becton, Dickinson and Company	305128	1x 30 G
Glass Capillaries (for producing micropipettes)	Drummond Scientific Company	9-000-1211	1x (1.2 x 0.8 mm; outer/inner diameter)
Nylon Suture	Alcon	198001	1x 10-0
Nunclon cell culture dish	Thermo Fisher Scientific	153066	1x 35 mm diameter
Nunclon cell culture dish	Thermo Fisher Scientific	172931	1x 100 mm diameter
Discofix C	Braun	16500C	10 cm
Histoacryl adhesive	B. Braun Surgical, S.A.	1050052	
Name	Company	Catalog Number	Comments
Equipment			
Pericyclic pump (CYCLO II)	Carl Roth GmbH	EP76.1	1x
Vertical Pipette Puller Model 700C	David Kopf Instruments		1x
Microscope (Vanox-T AH-2)	Olympus		1x
Water immersion objective LUMPlanFL, 1.0 NA	Olympus		1x
Digital camera (TK-C1381)	JVC		1x
Perfusion chamber	self-made		1x
Name	Company	Catalog Number	Comments
Drugs and Solutions			
Ethanol	Carl Roth GmbH	K928.4	
Calcium chloride dihydrate (CaCl ₂)	Carl Roth GmbH	5239.1	
Kalium chloride (KCl)	Carl Roth GmbH	6781.1	
Kalium dihydrogen phosphate (KH ₂ PO ₄)	Carl Roth GmbH	3904.2	
Magnesium sulphate (MgSO ₄)	Carl Roth GmbH	261.2	
Sodium chloride (NaCl)	Carl Roth GmbH	9265.2	

Sodium hydrogen carbonate (NaHCO ₃)	Carl Roth GmbH	0965.3	
α-(D)-(+)- Glucose monohydrate	Carl Roth GmbH	6780.1	
9,11-dideoxy-9α,11α- methanoepoxy prostaglandin F2α (U-46619)	Cayman Chemical	16450	
Acetylcholine chloride	Sigma-Aldrich	A6625-25G	