

Materials List for

# Isolation of High Quality Murine Atrial and Ventricular Myocytes for Simultaneous Measurements of Ca<sup>2+</sup> Transients and L-Type Calcium Current

Philipp Tomsits<sup>\*1,2,3</sup>, Dominik Schüttler<sup>\*1,2,3</sup>, Stefan Kääh<sup>1,2</sup>, Sebastian Clauss<sup>\*1,2,3</sup>, Niels Voigt<sup>\*4,5,6</sup>

<sup>1</sup>Department of Medicine I, University Hospital Munich, Campus Großhadern, Ludwig-Maximilians University Munich (LMU) <sup>2</sup>Partner Site Munich, Munich Heart Alliance (MHA), DZHK (German Centre for Cardiovascular Research) <sup>3</sup>Walter Brendel Center of Experimental Medicine, Ludwig-Maximilians University Munich (LMU) <sup>4</sup>Institute of Pharmacology and Toxicology, University Medical Center Göttingen <sup>5</sup>Partner Site Göttingen, DZHK (German Centre for Cardiovascular Research) <sup>6</sup>Cluster of Excellence "Multiscale Bioimaging: from Molecular Machines to Networks of Excitable Cells" (MBExC), University of Göttingen

\*These authors contributed equally

## Corresponding Author

Philipp Tomsits

philipp-johannes.tomsits@med.uni-muenchen.de

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## Materials

Name	Company	Catalog Number	Comments
2,3-Butanedione monoxime	Sigma-Aldrich	31550	
27G cannula	Servoprax	L10220	
4-Aminopyridine	Sigma-Aldrich	A78403	
Anhydrous DMSO	Sigma-Aldrich	D12345	
Aortic cannula	Radnoti	130163-20	
BaCl <sub>2</sub>	Sigma-Aldrich	342920	
blunt surgical forceps	Kent Scientific	INS650915-4	
Bovine Calf Serum	Sigma-Aldrich	12133C	
CaCl <sub>2</sub>	Sigma-Aldrich	C5080	
Circulating heated water bath	Julabo	ME	
Collagenase Type II	Worthington	LS994177	
disscetion scissors	Kent Scientific	INS600124	
DL-aspartat K <sup>+</sup> -salt	Sigma-Aldrich	A2025	
EGTA	Sigma-Aldrich	E4378	
Fluo-3	Invitrogen	F3715	
Fluo-3 AM	Invitrogen	F1242	
Glucose	Sigma-Aldrich	G8270	
Guanosine 5'-triphosphate tris salt	Sigma-Aldrich	G9002	
Heating coil	Radnoti	158821	
Heparin	Ratiopharm	25.000 IE/5ml	
HEPES	Sigma-Aldrich	H9136	

induction chamber	CWE incorporated	13-40020	
Isoflurane	Cp-pharma	1214	
Jacketed heart chamber	Radnoti	130160	
KCl	Merck	1049360250	
KH <sub>2</sub> PO <sub>4</sub>	Sigma-Aldrich	P5655	
MgCl x 6H <sub>2</sub> O	Sigma-Aldrich	M0250	
MgSO <sub>4</sub> x 7H <sub>2</sub> O	Sigma-Aldrich	M9397	
Na <sub>2</sub> ATP	Sigma-Aldrich	A2383	
Na <sub>2</sub> HPO <sub>4</sub> x 2H <sub>2</sub> O	Sigma-Aldrich	S5136	
NaCl	Sigma-Aldrich	S3014	
NaHCO <sub>3</sub>	Sigma-Aldrich	S5761	
Nylon mesh (200 μm)	VWR-Germany	510-9527	
pasteur pipette	Sigma Aldrich	Z331759	
petri-dishes	Thermo Fisher	150318	
Pluronic Acid F-127	Sigma-Aldrich	P2443	
Probenecid	Sigma-Aldrich	P8761	
Roller Pump	Ismatec	ISM597D	
surgical forceps	Kent Scientific	INS650908-4	
surgical scissors	Kent Scientific	INS700540	
suturing silk	Fine Science Tools	NC9416241	
syringe	Merck	Z683531-100EA	
Taurin	Sigma-Aldrich	86330	