

Materials List for:

Contractility Measurements on Isolated Papillary Muscles for the Investigation of Cardiac Inotropy in Mice

Sebastian Uhl¹, Marc Freichel¹, Ilka Mathar¹

¹Pharmakologisches Institut, Universität Heidelberg

Correspondence to: Ilka Mathar at ilka.mathar@pharma.uni-heidelberg.de

URL: <https://www.jove.com/video/53076>

DOI: [doi:10.3791/53076](https://doi.org/10.3791/53076)

Materials

Name	Company	Catalog Number	Comments
Sodium chloride	Sigma-Aldrich	S7653	
Sodium bicarbonate	Sigma-Aldrich	S5761	
Potassium chloride	Sigma-Aldrich	P9333	
Glucose	Sigma-Aldrich	D9434	
Sodium pyruvate	Sigma-Aldrich	P5280	
Calcium chloride dihydrate	Sigma-Aldrich	223506	
Magnesium sulfate heptahydrate	Sigma-Aldrich	230391	
Potassium phosphate monobasic	Sigma-Aldrich	P 5655	
2,3-Butanedione monoxime	Sigma-Aldrich	B0753	
3-Isobutyl-1-methylxanthine	Sigma-Aldrich	I5879	Hazard statement H 302, solve in DMSO
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D2650	
Isoprenaline hydrochloride	Sigma-Aldrich	I5627	Hazard statement H 315-H319-H335
Sodium Heparine 250.000 IE/10 ml	ratiopharm	PZN 3874685	
Histamine dihydrochloride	Sigma-Aldrich	H7250	Hazard statement H 315-H 317-H319- H334-H335