

Materials List for:

Assessment of Sarcoplasmic Reticulum Calcium Reserve and Intracellular Diastolic Calcium Removal in Isolated Ventricular Cardiomyocytes

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URL: <https://www.jove.com/video/55797>

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Materials

Name	Company	Catalog Number	Comments
NaCl	Alfa Aesar	012314	
MgCl2	Alfa Aesar	012315	
KCl	Alfa Aesar	11595	
HEPEs	Sigma	H3375	
D-Glucose	Alfa Aesar	A16828	
NaOH	Alfa Aesar	A18395	
KOH	Alfa Aesar	A18854	
KH2PO4	Alfa Aesar	011594	
MgSO4	Alfa Aesar	3337	
L-Glutamic	Alfa Aesar	A15031	
Taurine	Alfa Aesar	A12403	
EGTA	Sigma	E3889	
Collagenase A	Roche	10103586001	
Collagenase Type II	Worthington	LS004177	
BSA	Roche	735094	
caffeine	Sigma	C0750	
Fura-2 AM	Invitrogen	F1201	
Microscope	Olympus	Olympus IX 71	
Langendorff system	Beijing Syutime Technology Co	PlexiThermo-S-LANGC	
Micromanipulator	Marchauser	MM33 links	
Perfusion chamber	IonOptix	FHD	
Valve Controlled Gravity Perfusion System	ALA	VC 3-8	
valve commander software	ALA	VC 3 1.0.1.2	
Precision flow regulator	Delta Med	3204315	
Multi-Barrel Manifold Perfusion Pencil	AutoMate Scientific	04-08-[360]	
Micron Removable Tip	AutoMate Scientific	360um i.d.	
Fluorescence Measurement and Cell Dimensioning Systems	IonOptix	Hyperswitch	
Recording software	IonOptix	IonWizard 6.2.59	
Stimulator	IonOptix	MyoPacer EP	

Sprague-dawley rats	Beijing Vital River Laboratory Animal Technology Co.	SCXK 2016-01-007436	
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