

Materials List for

# Voltage-Dependent Potassium Current Recording on H9c2 Cardiomyocytes *via* the Whole-Cell Patch-Clamp Technique

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## Materials

Name	Company	Catalog Number	Comments
4-Aminopyridine	Sigma	MKCJ2184	
Aconitine	Chengdu Lemetian Medical Technology Co., Ltd	DSTDW000602	
Amplifier	Axon Instrument	MultiClamp 700B	
Analytical Balance	Sartorius	124S-CW	
ATP Na <sub>2</sub>	Solarbio	416O022	
Borosilicate glass with filament (O.D.: 1.5 mm, I.D.: 1.10 mm, 10 cm length)	Sutter Instrument	163225-5	
Cell culture dish (100 mm)	Zhejiang Sorfa Life Science Research Co., Ltd	1192022	
Cell culture dish (35 mm)	Zhejiang Sorfa Life Science Research Co., Ltd	3012022	
Clampex software	Molecular Devices, LLC.	Version 10. 5	
Clampfit software	Molecular Devices, LLC.	Version 10. 6. 0. 13	data acquisition software
D-(+)-glucose	Rhawn	RH289133	
Digital camera	Hamamatsu	C11440	
Digitizer	Axon Instrument	Axon digidata 1550B	
DMSO	Boster Biological Technology Co., Ltd	PYG0040	
Dulbecco's modified eagle medium (1x)	Gibco	8121587	
EGTA	Biofroxx	EZ6789D115	
Fetal bovine serum	Gibco	2166090RP	
Flaming/brown micropipette puller	Sutter Instrument	Model P-1000	

H9c2 cells	Hunan Fenghui Biotechnology Co., Ltd	CL0111	
HCIImageLive	Hamamatsu	4.5.0.0	
HCl	Sichuan Xilong Scientific Co., Ltd	2106081	
HEPES	Xiya Chemical Technology (Shandong) Co., Ltd	20210221	
KCl	Chengdu Colon Chemical Co., Ltd	2020082501	
KOH	Chengdu Colon Chemical Co., Ltd	2020112601	
MgCl <sub>2</sub>	Tianjin Guangfu Fine Chemical Research Institute	20160408	
MgCl <sub>2</sub> ·6H <sub>2</sub> O	Chengdu Colon Chemical Co., Ltd	2021020101	
Micromanipulator	Sutter Instrument	MP-285A	
Microscope	Olympus	IX73	
Microscope cover glass (20 × 20 mm)	Jiangsu Citotest Experimental Equipment Co. Ltd	80340-0630	
Milli-Q	Chengdu Bioscience Technology Co., Ltd	Milli-Q IQ 7005	
MultiClamp 700B commander	Axon Instrument	MultiClamp commander 2.0	signal-amplifier software
OriginPro 8 software	OriginLab Corporation	v8.0724(B724)	
Penicillin-Streptomycin (100x)	Boster Biological Technology Co., Ltd	17C18B16	
PH meter	Mettler Toledo	S201K	
Phosphate buffered saline (1x)	Gibco	8120485	
Trypsin 0.25% (1x)	HyClone	J210045	