

Materials List for

Protection of H9c2 Myocardial Cells from Oxidative Stress by Crocetin *via* PINK1/Parkin Pathway-Mediated Mitophagy

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Materials

Name	Company	Catalog Number	Comments
0.25% trypsin	Gibco	2323363	
1% Penicillin-streptomycin	Sigma	V900929	
5x protein loading buffer	Beijing Pulilai Gene Technology	B1030-5	
Ad-mCherry GFP-LC3B adenovirus	Beyotime	C3011	
Alexa Fluor 488-conjugated goat anti-rabbit IgG (H+L)	Zhongshan Golden Bridge Biotechnology Co., Ltd.	ZF-0514	
Alexa Fluor 594-conjugated goat anti-mouse IgG (H+L)	Zhongshan Golden Bridge Biotechnology Co., Ltd.	ZF-0513	
Animal-free blocking solution	CST	15019s	
Anti-Parkin antibody	Santa Cruz	sc-32282	
Anti-PINK1 antibody	ABclonal	A11435	
Anti-TOM20 antibody	ABclonal	A19403	
Anti-β-actin antibody	ABclonal	AC026	
BCA protein assay kit	KeyGEN Biotech	KGP902	
Blood cell counting plate	Servicebio	WG607	
CAT assay kits	Nanjing Jiancheng Bioengineering Institute	A007-1-1	
Chemiluminescence detection system	Shanghai Qinxiang Scientific Instrument Factory	ChemiScope 6100	
CK assay kits	Nanjing Jiancheng Bioengineering Institute	A032-1-1	
Coenzyme Q10 (CoQ 10)	Macklin	C6129	
Crocetin	Chengdu Ruifensi Biotechnology Co., Ltd.	RFS-Z01802006012	
DAPI-containing antifluorescence quenching tablets	Zhongshan Golden Bridge Biotechnology Co., Ltd.	ZLI-9557	
DCFH-DA	Beyotime	S0033S	

DMSO	Solarbio	D8371	
Dulbecco's modified eagle medium (DMEM)	Gibco	8122091	
Enhanced Chemiluminescence (ECL) solution	NCM Biotech	P10100	
Fetal bovine serum (FBS)	Corning-Cellgro	35-081-CV	
GraphPad Prism 7.0	https://www.graphpad.com/		
GSH-Px assay kits	Nanjing Jiancheng Bioengineering Institute	A005-1-2	
H9c2 myocardial cells	Beijing Dingguochangsheng Biotech Co., Ltd.	CS0062	
Horseshoe peroxidase (HRP)-conjugated goat anti-goat IgG (H+L)	Zhongshan Golden Bridge Biotechnology Co., Ltd.	ZB-2305	
Horseshoe peroxidase (HRP)-conjugated goat anti-mouse IgG (H+L)	Zhongshan Golden Bridge Biotechnology Co., Ltd.	ZB-2301	
JC-1 mitochondrial membrane potential assay kit	LABLEAD	J22202	
LDH assay kits	Nanjing Jiancheng Bioengineering Institute	A020-2-2	
MDA assay kits	Nanjing Jiancheng Bioengineering Institute	A003-2-2	
Methanol	Aladdin	A2114057	
MTS assay	Promega	G3581	
Perhydrol	G-clone	CS7730	
Phosphatase inhibitor	CWBIO	CW2383	
Polybrene	Beyotime	C0351	
Polyvinylidene difluoride (PVDF) membranes	Millipore	ISEQ00010	
Radioimmunoprecipitation assay (RIPA) lysis buffer	Solarbio	R0010	
SDS-PAGE gels	Shanghai Epizyme Biomedical Technology	PG112	
SDS-PAGE running buffer powder	Servicebio	G2018-1L	
SDS-PAGE transfer buffer powder	Servicebio	G2017-1L	
SOD assay kits	Nanjing Jiancheng Bioengineering Institute	A001-2-2	
Tris-buffered saline powder	Servicebio	G0001-2L	
Triton X-100	Sigma	SLCC9172	
TUNEL apoptosis assay kit	Beyotime	C1086	
Tween-20	Solarbio	T8220	