

Materials List for:

Measuring Trans-Plasma Membrane Electron Transport by C2C12 Myotubes

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Materials

Name	Company	Catalog Number	Comments
C2C12 myoblasts	American Type Culture Collection	CRL-1772	
Dulbecco's modified eagle's medium - low glucose	Sigma	D6046	
Fetal Plex animal serum complex	Gemini Bio-Products	100-602	
penicillin-streptomycin	Sigma	516106	
horse serum	Gibco Technologies	16050-130	
Dulbecco's phosphate buffered saline	Sigma	D8537	
trypsin-EDTA	Sigma	T4049	
15 cm culture dishes	TPP	93150	
96 well culture plates	TPP	92096	
2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-(2,4-disulfophenyl)-2H-tetrazolium Sodium Salt (WST-1)	Accela ChemBio Inc	SY016315	
phenazine methosulfate	Sigma	P9625	
L-ascorbic acid	Sigma	A5960	
ascorbate oxidase	Sigma	A0157	
superoxide dismutase	Sigma	S5395	
2,6-dichloroindophenol sodium salt	ICN Biomedicals	215011825	
D-(+)-glucose	Sigma	G7528	
HEPES sodium salt	Sigma	H3784	
sodium chloride	Sigma	S7653	
potassium chloride	Fisher Scientific	BP366	
magnesium sulfate heptahydrate	Sigma	M5921	
calcium chloride dihydrate	Sigma	C7902	
potassium phosphate	Fisher Scientific	BP363	
Pierce BCA Protein Assay Kit	Thermo Scientific	23225	
Powerwave X-I spectrophotometer	Biotek Instruments	discontinued	
Spectronic Genesys 5 Spectrophotometer	Thermo Scientific	336001	
PureGrade 96-well microplate, F-bottom, clear, untreated, non-sterile	MidSci	781602	
Iron (II) chloride tetrahydrate	Sigma	220299	
Iron (II) sulfate heptahydrate	Sigma	215422	

hypoxanthine	Sigma	H9636	
xanthine oxidase	Sigma	X4500	
Excel	Microsoft		
R Studio	Rstudio		https://www.rstudio.com/products/rstudio/
KC4	Biotek Instruments	discontinued	