

Materials List for:

# Using Isolated Mitochondria from Minimal Quantities of Mouse Skeletal Muscle for High throughput Microplate Respiratory Measurements

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## Materials

Name	Company	Catalog Number	Comments
Sucrose	Sigma Aldrich	S7903	Store at RT
D-Mannitol	Sigma Aldrich	63559	Store at RT
Potassium phosphate monobasic, minimum 99.0%	Sigma Aldrich	P5379	Store at RT
Magnesium chloride hexahydrate, ACS reagent, 99.0-102.0%	Sigma Aldrich	M9272	Store at RT
HEPES minimum 99.5% titration	Sigma Aldrich	H3375	Store at RT
EGTA	Sigma Aldrich	E4378	Store at RT
Essentially Fatty	Sigma Aldrich	A6003	Store at 4 °C
Acid Free- BSA			
Pyruvic Acid, 98%	Sigma Aldrich	107360	Store at 4 °C
Succinic Acid	Sigma Aldrich	S9512	Store at RT
L(-) Malic Acid, BioXtra, ≥95%	Sigma Aldrich	M6413	Store at RT
L-Glutamic acid	Sigma Aldrich	G1251	Store at RT
N,N,N',N'-Tetramethyl-p-phenylenediamine	Sigma Aldrich	T7394	Store at RT
99%, powder [TMPD]			
Palmitoyl L-carnitine chloride	Sigma Aldrich	P1645	Store at -20 °C
Oligomycin A, ≥ 95% (HPLC)	Sigma Aldrich	75351	Store at -20 °C
Carbonyl cyanide 4-(trifluoromethoxy) phenylhydrazone	Sigma Aldrich	C2920	Store at 2 - 8 °C
≥98% (TLC), powder [FCCP]			
Antimycin A from streptomycetes sp.	Sigma Aldrich	A8674	Store at -20 °C
Adenosine 5'-diphosphate monopotassium salt dehydrate [ADP]	Sigma Aldrich	A5285	Store at -20 °C
Rotenone	Sigma Aldrich	R8875	Store at RT
Pierce™ BCA Protein Assay Kit	Thermo Scientific	23225	N/A