

Materials List for:

Mitochondrial Isolation from Skeletal Muscle

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Materials

Name	Company	Catalog Number	Comments
95% CO ₂ / 5% O ₂ mix	Local Gas Supplier		
Adenosine 5'-diphosphate sodium salt	Sigma-Aldrich	A2754	
Blue Rizla Paper	Hansatech	890101	
Bradford protein assay	Bio-Rad	500-0006	
Carbonylcyanide p-trifluoromethoxyphenylhydrazone (FCCP)	Sigma-Aldrich	C2920	
Centrifuge 5804R	Eppendorf		
Compressed nitrogen	Local Gas Supplier		
D-mannitol	Sigma-Aldrich	M9647	
Ethylene-glycol-bis-tetraacetic acid (EGTA)	Sigma-Aldrich	E3889	
Ethylenediaminetetraacetic acid (EDTA)	Bio-Rad	161-0728	
Free fatty acid bovine serum albumin	Sigma-Aldrich	A8806	
Glutamic acid	Sigma-Aldrich	G5889	
HEPES sodium salt	Sigma-Aldrich	H7006	
Isotemp 3006D	Fisher Scientific		
Magnesium chloride	Sigma-Aldrich	M8266	
Male Sprague Dawley Rats	Harlan Laboratories	300-500g	
Malic acid	Sigma-Aldrich	M9138	
Minifuge	ISC Bioexpress	C1301P	
Oligomycin	Sigma-Aldrich	O4876	
Oxygen electrode disc	Hansatech	S1	
Oxygraph	Hansatech		
Oxygraph Plus V1.01 Software	Hansatech		
pH-meter	Mettler Toledo	1225506149	
Phosphate-buffered saline (PBS)	Sigma-Aldrich	P4417	
Potassium chloride	Sigma-Aldrich	P3911	
Potassium phosphate	Sigma-Aldrich	P8416	
Potter-Elvehjem homogenizers	Fisher Scientific	08-414-14A	
PTFE (0.0125mm × 25mm) membrane	Hansatech	S4	
SKIL 3320 drill press	Hardware store		

Sucrose	Sigma-Aldrich	S5016	
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