

Materials List for

Analytical Determination of Mitochondrial Function of Excised Solid Tumor Homogenates

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Materials

Name	Company	Catalog Number	Comments
2-(N-Morpholino)ethanesulfonic acid hydrate	Sigma-Aldrich	M8250	
Adenosine 5'-diphosphate sodium salt	Sigma-Aldrich	A2754	
Adenosine 5'-triphosphate disodium salt hydrate	Sigma-Aldrich	A2383	
Amphotericin B	Gibco	15290018	
Antimycin A	Sigma-Aldrich	A8674	
Ascorbate	Sigma-Aldrich	A4544	
Bovine serum albumin, fraction V, heat shock, fatty acid free	Sigma-Aldrich	3117057001	Roche
BD 50 mL Luer-Lok Syringe	Fisher Scientific	13-689-8	
BD Vacutainer General Use Syringe Needles	Fisher Scientific	23-021-020	
Calcium carbonate	Sigma-Aldrich	C4830	
Carbonyl cyanide 4-(trifluoromethoxy)phenylhydrazone	Sigma-Aldrich	C2920	
Cytochrome c from equine heart	Sigma-Aldrich	C2506	
Datlab 7.4 software	Oroboros Instruments		
Dimethylsulfoxide	Amresco	N182	
Dithiothreitol	Sigma-Aldrich	D0632	
D-Sucrose	Sigma-Aldrich	S7903	
Dumont # 5 Forceps	Fine Science Tools	11251-30	Dumoxel, autoclavable
Dumont # 7 Forceps	Fine Science Tools	11271-30	Dumoxel, autoclavable
Digital Calipers 150 mm/6 in	World Precision Instruments	501601	
EO771 cells	CH3 BioSystems	SKU: 94APV1-vial-prem	Pathogen Tested
Ethylene glycol-bis(2-aminoethylether)-N,N,N',N'-tetraacetic acid	Sigma-Aldrich	E4378	

Female C57BL/6J mice	Jackson Laboratory	Stock #000664	
HEPES	Sigma-Aldrich	H4034	
Imidazole	Sigma-Aldrich	56750	
Kimwipes	Fisher Scientific	34120	
L-(-)-Malic acid	Sigma-Aldrich	G1626	
Lactobionic acid	Sigma-Aldrich	L2398	
Malate	Sigma-Aldrich	M6413	
Matrigel Matrix	Corning	354248	
MgCl \cdot 6H $_2$ O	Sigma-Aldrich	M2670	
Microsyringes	Hamilton	87919, 80383, 80521, 80665, 80765, 80865, 87943	
N,N,N',N'-Tetramethyl-p-phenylenediamine	Sigma-Aldrich	T7394	
Oxygraph-2k	Oroboros Instruments	10023-03	
Oxygraph-2k FluoRespirometer	Oroboros Instruments	10003-01	
PBS	Gibco	10010023	
Penicillin-Streptomycin	Gibco	15140122	
Phosphocreatine disodium salt hydrate	Sigma-Aldrich	P7936	
Potassium hydroxide	Sigma-Aldrich	P1767	
Potassium phosphate monobasic	Sigma-Aldrich	P5655	
Rotenone	Sigma-Aldrich	R8875	
RPMI 1640	Gibco	21875034	
Sodium azide	Sigma-Aldrich	S2002	
Sodium pyruvate	Sigma-Aldrich	P5280	
Succinate (disodium)	Sigma-Aldrich	W327700	
Taurine	Sigma-Aldrich	T0625	
Whatman Filter Paper, grade 5	Sigma-Aldrich	1005-090	
Wheaton Tenbroeck Tissue Grinder, 7 mL	Duran Wheaton Kimble	357424	
Straight Tip Micro Dissecting Scissors	Roboz	RS-5914SC	
Non-Safety Scalpel No. 11	McKesson	1029065	
BD Precision Glide Needle 27 G x 1/2	Becton, Dickinson and Company	305109	
BD Precision Glide Needle 18 G x 1	Becton, Dickinson and Company	305195	
BD 1mL Slip Tip Syringe	Becton, Dickinson and Company	309659	
Pyrex Reusable Petri Dish, 60 mm	Thermo Fisher Scientific	316060	
Rodent Very High Fat Diet, 60% kcal from fat, 20% kcal from protein, and 20% kcal from carbohydrate	Research Diet	D12492	
Pyrex Watch Glass, 100 mm	Thermo Fisher Scientific	S34819	