

Materials List for

High-Resolution Respirometry to Assess Mitochondrial Function in Human Spermatozoa

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jove.com/video/65493

Materials

Name	Company	Catalog Number	Comments
Acid free- Bovine serum albumine	Sigma Aldrich	A8806	
Adenosine 5'-diphosphate monopotassium salt dihydrate	Sigma Aldrich	A5285	
Animycin A from streptomyces sp.	Sigma Aldrich	A8674	
Calcium chloride	Sigma Aldrich	C4901	
carbonyl cyanide-P- trifluoromethoxy-phenylhydrazone	Sigma Aldrich	C2920	
DatLab software version 4,2	Oroboros Instruments GmbH	N/A	
D-glucose	Sigma Aldrich	G7021	
Digitonin	Sigma Aldrich	D141	
EGTA	Sigma Aldrich	E4378	
HEPES	Sigma Aldrich	H3375	
L glutamic acid	Sigma Aldrich	G1251	
L malic acid	Sigma Aldrich	M1000	
Magnesium sulphate	Sigma Aldrich	M7506	
Microliter Syringes	Hamilton	87900 or 80400	
Microscope camera	Basler	acA780-75gc	
Microscope Eclipse E200 with phase contrast 10X Ph+	Nikon	N/A	
Monopotassium phosphate	Sigma Aldrich	P5655	
MOPS	Sigma Aldrich	M1254	
Oligomycin A	Sigma Aldrich	75351	
Oxygraph-2 K	Oroboros Instruments GmbH	N/A	
Potassium chloride	Sigma Aldrich	P3911	
Power O2k-Respirometer	Oroboros Instruments	10033-01	
Rotenone	Sigma Aldrich	R8875	
Saccharose	Sigma Aldrich	S0389	
Sodium bicarbonate	Sigma Aldrich	S5761	

Sodium lactate	Sigma Aldrich	L7022	
Sodium pyruvate	Sigma Aldrich	P2256	
Sperm class analyzer 6.3.0.59 Evolution-SCA Research	Microptic	N/A	
Sperm Counting Chamber DRM-600	Millennium Sciences CELL-VU	N/A	
Succinate disodium salt	Sigma Aldrich	W327700	