

**Materials List for:**

# Isolation of Intact Mitochondria from Skeletal Muscle by Differential Centrifugation for High-resolution Respirometry Measurements

Siamak Djafarzadeh<sup>1</sup>, Stephan Mathias Jakob<sup>1</sup>

<sup>1</sup>Department of Intensive Care Medicine, Inselspital, Bern University Hospital

Correspondence to: Siamak Djafarzadeh at [Siamak.Djafarzadeh@insel.ch](mailto:Siamak.Djafarzadeh@insel.ch)

URL: <https://www.jove.com/video/55251>

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## Materials

Name	Company	Catalog Number	Comments
ADP	Sigma	A 4386	Chemical
Antimycin A	Sigma	A 8674	Chemical, dissolve in ethanol
Ascorbate	Merck	1.00127	Chemical
ATP	Sigma	A 7699	Chemical
BSA	Sigma	A 6003	Chemical
EGTA	fluka	3779	Chemical
Glutamate	Sigma,	G 1626	Chemical
Hepes	Sigma	H 7523	Chemical
KCl	Merck	1.04936	Chemical
KH <sub>2</sub> PO <sub>4</sub>	Merck	1.04873	Chemical
K-lactobionate	Sigma	L 2398	Chemical
MgCl <sub>2</sub>	Sigma	M 9272	Chemical
Morpholinopropane sulphonic acid (MOPS)	Merck	1.06129	Chemical
O2k-Core: Oxygraph-2k	Oroboros Instruments	10000-02	High-resolution respirometry instrument
Proteinase, bacterial	Sigma	P 8038	Chemical
Sodium azide	Sigma	S2002	Chemical
Rotenone	Sigma	R 8875	Chemical, dissolve in ethanol
Succinate	Sigma	S 2378	Chemical
Schuetz homogen-plus semiautomatic homogeniser	schuetz-biotec GmbH	3.201 011	Tissue homogenizer
Taurine	Sigma	T 8691	Chemical
TMPD	Sigma	T 3134	Chemical