

Materials List for

Isolation of Mitochondria for Mitochondrial Supercomplex Analysis from Small Tissue and Cell Culture Samples

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Citation

Moreno-Loshuertos, R., Fernández-Silva, P. Isolation of Mitochondria for Mitochondrial Supercomplex Analysis from Small Tissue and Cell Culture Samples. *J. Vis. Exp.* (207), e66771, doi:10.3791/66771 (2024).

Date Published

May 3, 2024

DOI

10.3791/66771

URL

jove.com/video/66771

Materials

| Name | Company | Catalog Number | Comments |
|---------------------------------|------------------|----------------|----------|
| Acetic acid | PanReac | 131008 | |
| Aminocaproic acid | Fluka Analytical | 7260 | |
| ATP | Sigma-Aldrich | A2383 | |
| Bis Tris | Acros Organics | 327721000 | |
| Bradford assay | Biorad | 5000002 | |
| Coomassie Blue G-250 | Serva | 17524 | |
| Coomassie Blue R-250 | Merck | 1125530025 | |
| Cytochrome c | Sigma-Aldrich | C2506 | |
| Diamino benzidine (DAB) | Sigma-Aldrich | D5637 | |
| Digitonin | Sigma-Aldrich | D5628 | |
| EDTA | PanReac | 131669 | |
| EGTA | Sigma-Aldrich | E3889 | |
| Fatty acids free BSA | Roche | 10775835001 | |
| Glycine | PanReac | A1067 | |
| Homogenizer Teflon pestle | Deltalab | 196102 | |
| Imidazole | Sigma-Aldrich | I2399 | |
| K ₂ HPO ₄ | PanReac | 121512 | |
| KH ₂ PO ₄ | PanReac | 121509 | |
| Mannitol | Sigma-Aldrich | M4125 | |
| Methanol | Labkem | MTOL-P0P | |
| MgSO ₄ | PanReac | 131404 | |
| Mini Trans-Blot Cell | BioRad | 1703930 | |
| MOPS | Sigma-Aldrich | M1254 | |
| MTCO1 Monoclonal Antibody | Invitrogen | 459600 | |
| NaCl | Sigma-Aldrich | S9888 | |
| NADH | Roche | 10107735001 | |

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|--|-------------------|-----------|--|
| NativePAGE 3 to 12% Mini Protein Gels | Invitrogen | BN1001BOX | |
| NativePAGE Cathode Buffer Additive (20x) | Invitrogen | BN2002 | |
| NativePAGE Running Buffer (20x) | Invitrogen | BN2001 | |
| NDUFA9 Monoclonal Antibody | Invitrogen | 459100 | |
| Nitroblue tetrazolium salt (NBT) | Sigma-Aldrich | N6876 | |
| Pb(NO ₃) ₂ | Sigma-Aldrich | 228621 | |
| PDVF Membrane | Amersham | 10600023 | |
| Phenazine methasulfate (PMS) | Sigma-Aldrich | P9625 | |
| Pierce ECL Substrate | Thermo Scientific | 32106 | |
| PMSF | Merck | PMSF-RO | |
| SDHA Monoclonal Antibody | Invitrogen | 459200 | |
| Sodium succinate | Sigma-Aldrich | S2378 | |
| Streptomycin/penicillin | PAN biotech | P06-07100 | |
| Sucrose | Sigma-Aldrich | S3089 | |
| Tris | PanReac | A2264 | |
| UQCRC1 Monoclonal Antibody | Invitrogen | 459140 | |
| XCell SureLock Mini-Cell | Invitrogen | EI0001 | |