



Center for Inherited Disorders of Energy Metabolism

University Hospitals Case Medical Center, WEARN Room 649 • 11100 Euclid Avenue • Cleveland, Ohio 44106

Phone: (216) 844-1286 • Fax: (216) 844-8005 • cidem@case.edu • www.case.edu/med/CIDEM/

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Test and Price List – Biopsies (Prices effective: September 5, 2011)

Required tests for on-site fresh muscle (and/or liver) biopsy studies				
Assay Type	CPT code(s)	Sample Type (s)	Minimum Amount Required	Assay Cost
Acylcarnitine profile	82379, 82017	Muscle or liver	20 mg	\$ 220
Adenine nucleotide translocase	84999	Isolated mitochondria		\$ 600
Complex V (ATPase and creatine kinase)	84999	Isolated mitochondria		\$ 500
Electron transport chain (ETC) Complexes I-IV	84999	Muscle and/or Liver (CII-CIV) Isolated mitochondria	100 mg 100 mg	\$ 800 \$ 700 \$1000
Initiation of skin fibroblast culture, mycoplasma testing, and cryopreservation	88233, 88240, 86738	Skin biopsy, from muscle incision site		\$ 400
Oxidative Phosphorylation (including mitochondrial preparation)	84999	Isolated mitochondria	3 gram	\$3600
Phospholipid analysis	84999	Isolated mitochondria		\$1000
Phosphorylation assay	84999	Isolated mitochondria		\$ 650
Proteomics – supercomplex analysis	84999	Isolated mitochondria		\$1500
Optional tests for on-site fresh muscle (and/or liver) biopsy studies on isolated mitochondria				
Fatty Acid Oxidation Enzymes (FAO) - Acyl-CoA Dehydrogenases (Short-, Medium-, and Long Chain)	84999	Isolated mitochondria		\$800
- Short Chain: 3-OH Acyl-CoA Dehydrogenase,	84999	Isolated mitochondria		\$800
Ketoglutarate Dehydrogenase Complex (KDC)	84999	Isolated mitochondria		\$350
Kreb cycle enzymes Aconitase, Fumarase, Glutamate DH, Isocitrate DH, Malate DH, Succinate DH (DH=dehydrogenase)	84999	Isolated mitochondria		\$300 each
All Kreb cycle enzymes				\$1000
Pyruvate Dehydrogenase Complex (PDC)	84999	Isolated mitochondria		\$600

***In addition to the above, any of CIDEM's standard assays may be ordered; see standard Test and Price List**