



Center for Inherited Disorders of Energy Metabolism

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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	Sample Type(s)	CPT Code (s)	Amount required	Price
Acylcarnitine Profile	muscle or liver	82379, 82017	20 mg	\$ 220
Adenine nucleotide translocase	Isolated mitochondria	82657, 84311		\$ 600
Complex V (ATPase and creatine kinase)	Isolated mitochondria	82657x2, 84311x2		\$ 500
CoQ10 analysis	Muscle	82492x2	100 mg	\$ 535
Electron Transport Chain (ETC)	Muscle	82657x8, 84311x8	100 mg	\$ 800
	Liver	82657x7, 84311x7	100 mg	\$ 700
	Isolated mitochondria	82657x10, 84311x10,		\$1000
Initiation of skin fibroblast culture (mycoplasma testing, and cryopreservation)	Skin biopsy from incision site	88233, 88240, 86738		\$ 400
Mitochondrial Proteomics (Blue native gel electrophoresis)	Isolated mitochondria	82664		\$1500
Oxidative Phosphorylation (including mitochondrial preparation)	Isolated mitochondria	82657x17	~3 gram	\$3600
Phospholipid analysis	Isolated mitochondria	82492, 83789		\$1000
Phosphorylation assay	Isolated mitochondria	82657x2		\$ 650
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)	Isolated mitochondria	82657x8, 84311x4, 84157		\$ 800
Fatty Acid Oxidation Enzymes (FAO) - Short Chain: (3-OH Acyl CoA dehydrogenase)	Isolated mitochondria	82657x4, 84311x4, 84157		\$ 800
Ketoglutarate Dehydrogenase Complex (KDC)	Isolated mitochondria	82658, 82657, 84157		\$ 350
Kreb cycle enzymes Aconitase, Fumarase, Glutamate DH, Isocitrate DH, Malate DH, Succinate DH	Isolated mitochondria	82657 each		\$ 300 each
Kreb cycle enzymes (all of the above)	Isolated mitochondria	82657x6		\$1000
Pyruvate Dehydrogenase Complex (PDC)	Isolated mitochondria	82658x2, 82657, 84157		\$ 600

*CIDEM's standard assays may be ordered concurrently; see standard Test and Price List **DH=Dehydrogenase