

**CENTER FOR INHERITED DISORDERS OF ENERGY METABOLISM TEST AND PRICE LIST**

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

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(Effective: February 18, 2008)

<u>ASSAY TYPE</u>	<u>CPT Code(s)</u>	<u>SAMPLE TYPE(S)</u>	<u>Minimum Amount Required</u>	<u>ASSAY COST</u>	<u>ISOLATION / CULTURE COST</u>	<u>TOTAL COST</u>
Carnitine (CN) Carnitine Screening (Total and Free)	82379	Plasma Tissues (Muscle, Heart, Liver)	150 µl 20 mg	\$80 \$120		\$80 \$120
Acylcarnitine Profile (Quantitative; includes Total & Free)	82379, 82016, 82017, 80500	Urine Plasma Tissues (Muscle, Heart, Liver) Urine	350 µl 250 µl 20 mg 350 µl	\$80 \$180 \$220 \$180		\$80 \$180 \$220 \$180
Carnitine Acetyltransferase	84999	Skin Fibroblasts* †	2 T25	\$180	\$350	\$530
Carnitine Acylcarnitine Translocase (includes Carnitine Acetyltransferase; PDC also required, see sep. listing)	84999	Skin Fibroblasts* †	2 T25	\$1000	\$550	\$1550
Carnitine Palmitoyltransferases I&II (CPT)	84999	ACD Blood for Lymphocytes * Skin Fibroblasts* † Tissues (Muscle, Heart, Liver)	 2 T25 100 mg	\$350 \$350 \$350	\$120 \$400	\$470 \$750 \$350
Electron Transport Chain (ETC) - Complexes I – IV - Complexes II – IV - Complexes II – IV	84999	Skeletal, Muscle or Heart Liver Skin Fibroblasts * †	100 mg 100 mg 2 T25	\$700 \$600 \$600		\$700 \$600 \$1000
Fatty Acid Oxidation Enzymes (FAO) - Acyl-CoA Dehydrogenases (Short-, Medium-, and Long Chain)	84999	Skin Fibroblasts* † Tissues (Muscle, Heart, Liver)	2 T25 100 mg	\$650 \$650	\$450	\$1100 \$650
- Short Chain: 3-OH Acyl-CoA Dehydrogenase, 3-Ketothiolase	84999	Skin Fibroblasts* † Tissues (Muscle, Heart, Liver)	2 T25 100 mg	\$400 \$400	\$400	\$800 \$400

\* May be shipped only on dates reserved in advance. Please call (216) 844-1286 at least two weeks before you would like to ship.

†Cell culture charges are CPT 88233 and 88240, and cannot be combined.

The CIDEM Laboratory is open Monday through Friday, 8:30am – 5:00pm; closed on weekends and holidays.

Please ship samples Monday thru Wednesday only.

**CENTER FOR INHERITED DISORDERS OF ENERGY METABOLISM (CIDEM)**

<u>ASSAY TYPE</u>	<u>CPT Code(s)</u>	<u>SAMPLE TYPE(S)</u>	<u>Minimum Amount Required</u>	<u>ASSAY COST</u>	<u>ISOLATION/ CULTURE COST</u>	<u>TOTAL COST</u>
Free Fatty Acids (FFA)	82725	Plasma	500 µl	\$120		\$120
Fumarase (including citrate synthase)	84999	Skin Fibroblasts* † Tissues (Muscle, Heart, Liver)	2 T25 100 mg	\$300 \$300	\$350	\$650 \$300
β-Hydroxybutyrate & Acetoacetate	82010	Plasma	200 µl	\$75		\$75
α-Ketoglutarate Dehydrogenase Complex (KDC), and dihydrolipoamide dehydrogenase	84999	ACD Blood for Lymphocytes * Skin Fibroblasts* † Tissues (Muscle, Heart, Liver)	2 T25 50 mg	\$350 \$350 \$350	\$120 \$350	\$470 \$700 \$350
Lactate and Pyruvate (L/P)	83605, 84210	Deproteinized Blood or CSF	1 ml	\$75		\$75
β-Methylcrotonyl-CoA Carboxylase (BMCC) and pyruvate carboxylase	84999	Liver Skin Fibroblasts* †	50 mg 2 T25	\$550 \$550	\$350	\$550 \$900
Mycoplasma Testing at CIDEM	86738	Skin Fibroblasts*	2 T25	\$120		\$120
Organic Acids (OA), Semi-quantitative (Call for STAT availability and pricing)	83918, 80500, 82570	Urine	1 ml	\$195		\$195
Propionyl CoA Carboxylase (PCC) and pyruvate carboxylase	84999	Liver Skin Fibroblasts* †	50 mg 2 T25	\$550 \$550	\$350	\$550 \$900
Phosphoenolpyruvate Carboxykinase (PEPCK), including citrate synthase	84999	Liver Skin Fibroblasts* †	50 mg 2 T25	\$350 \$350	\$350	\$350 \$700
Pyruvate Carboxylase (PC) including citrate synthase	84999	Liver Skin Fibroblasts* †	50 mg 2 T25	\$350 \$350	\$350	\$350 \$700
PC and PEPCK, ordered at the same time	84999	Liver Skin Fibroblasts* †	50 mg 2 T25	\$550 \$550	\$350	\$550 \$900
Pyruvate Dehydrogenase Complex (PDC), and dihydrolipoamide dehydrogenase	84999	ACD Blood for Lymphocytes* Skin Fibroblasts* † Tissues (Muscle, Heart, Liver)	 2 T25 100 mg	\$600 \$600 \$600	\$120 \$350	\$720 \$950 \$600

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