

**BIOCHEMICAL GENETICS LABORATORY
UNIVERSITY OF COLORADO DENVER (UCD)
STEPHEN I. GOODMAN, MD**

Address: UCD Biochemical Genetics Lab
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12800 East 19th Avenue
Aurora, CO 80045

Telephone: (303) 724-3826 **Fax:** (303) 724-3827 **Web:** www.uchsc.edu/bglab

All plasma samples should be heparinized (collected in green-topped tubes)
PLEASE NOTE: REFERRAL SOURCE IS RESPONSIBLE FOR PAYMENT
WE DO NOT BILL PATIENTS OR THEIR INSURANCE COMPANIES

STAT test policy:

Tests are run STAT only by advance agreement via telephone with the lab director. An additional \$50.00 fee is charged for each test run STAT. Results for tests run STAT will be available no later than 24 hours after specimen arrival in this laboratory.

Test	Shipping Temperature	Price	Sample Size (mL)	CPT Code
Serum (or plasma) amino acid screen ¹	Ambient	\$45.00 ¹	0.3	82128
Serum (or plasma) amino acids (quant.)	Frozen	\$125.00	0.3	82139
Serum (or plasma) branched-chain AA (quant.)	Frozen	\$100.00	0.3	82136
Serum (or plasma) alanine (quant.)	Frozen	\$100.00	0.3	82131
Serum (or plasma) methionine (quant.)	Frozen	\$100.00	0.3	82131
Serum (or plasma) Glycine (quant.)	Frozen	\$100.00	0.3	82131
Serum (or plasma) phenylalanine and tyrosine (quant.)	Frozen	\$100.00	0.3	82136
Urine amino acid/cystine screen ¹	Ambient	\$45.00 ¹	2.0	82128
Urine amino acids (quant.)	Frozen	\$125.00	2.0	82139
Urine aspartylglucosamine	Frozen	\$100.00	2.0	82131
Urine S-sulfo-cysteine	Frozen	\$100.00	2.0	82131
Urine phosphoethanolamine	Frozen	\$100.00	2.0	82131
CSF amino acids (quant.)	Frozen	\$125.00	0.3	82139
CSF glycine	Frozen	\$100.00	0.3	82136
CSF glutamine	Frozen	\$100.00	0.3	82136
Urine mucopolysaccharide screen	Ambient	\$50.00	10.0	83866
Serum (or plasma) beta-hexosaminidases (Tay-Sachs carrier detection)	Frozen	\$125.00	0.3	83080
Serum (or plasma) phytanic acid	Frozen	\$150.00	1.0	82543
Serum (or plasma) benzoic acid	Frozen	\$150.00	1.0	82543
Serum (or plasma) glutaric & 3-hydroxy glutaric acids (quant.)	Frozen	\$200.00	1.0	82544
Serum (or plasma) methylmalonic acid (quant.)	Frozen	\$150.00	1.0	82543
Serum (or plasma) N-acetylaspartic acid (quant.)	Frozen	\$150.00	1.0	82543

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Test	Shipping Temperature	Price	Sample Size (mL)	CPT Code
Urine organic acid screen	Ambient	\$120.00	2.0	83919
Urine succinylacetone	Frozen	\$150.00	2.0	82543
Urine orotic acid (quant.)	Frozen	\$150.00	2.0	82543
Urine phenylpropionylglycine and hexanoylglycine (quant.)	Frozen	\$150.00	2.0	82544
Urine glutaric & 3-hydroxy glutaric acids (quant.)	Frozen	\$200.00	2.0	82544
Urine ethylmalonic acid (quant.)	Frozen	\$150.00	2.0	82543
Urine methylmalonic acid (quant.)	Frozen	\$150.00	2.0	82543
Amniotic fluid glutaric & 3-hydroxy glutaric acids (prenatal; cell-free supernatant). ²	Frozen	\$450.00	2.0	82544
Amniotic fluid methylmalonic acid (prenatal; cell-free supernatant). ²	Frozen	\$450.00	2.0	82543
Amniotic fluid succinylacetone (prenatal; cell-free supernatant). ²	Frozen	\$450.00 ²	2.0	82543
Urine or CSF Bratton-Marshall test (succinylpurines, qual.)	Frozen	\$25.00	1.0	84311
Plasma (or serum) acylcarnitine profile	Frozen	\$105.00	0.2	82016
Expanded newborn screen	Ambient	\$25.00	Card	83788
Fibroblast enzyme assay for GA I ³	Ambient	\$600.00	fibroblasts	82658
Combined fibroblast assays for GA II (MADD) ³ : Immunoassay (western blot) and enzyme assays.	Ambient	\$1,500.00	fibroblasts	83516 82657
Fibroblast enzyme assay for VLCADD (VLCAD) ³	Ambient	\$990.00	fibroblasts	82657
Mitochondrial respiratory chain enzyme regular assay (muscle or liver tissue specimen >60 mg) ⁴	Frozen on Dry Ice	\$850.00	muscle or liver	82657 x 6
Mitochondrial respiratory chain enzyme microassay (liver tissue specimen 20-60 mg) ⁴	Frozen on Dry Ice	\$1,000.00	liver	82657 x 6

¹ Total charge for serum (or plasma) plus urine amino acid screens is \$45.00 if both are received together. If a serum amino acid screen is ordered and urine from the same patient is also provided, then a urine amino acid screen will automatically be added and performed at no additional charge.

² Cell-free supernatant required. Include two controls of same gestational age (14-16 weeks) with patient sample, all labeled blind (i.e. numbers but no names). Consultation required before sending specimens.

³ Please note: Clinical mutation analysis for GA I, GA II (MADD) and VLCADD is performed by the UCD DNA Diagnostic Laboratory (phone: 303-724-3801; web: www.uchsc.edu/dnalab). An additional fee of \$460 will be charged for skin specimens that have not been cultured into confluent fibroblasts before shipment.

⁴ Minimum 60 mg muscle tissue required. Minimum 20 mg liver tissue required (microassay required if <60 mg).