Complete and print.

Reset Form

MAYO CLINIC LABORATORIES

Biochemical Genetics Test Request

Client Information (required)

Client Name		
Client Account No.		
Client Phone	Client Order No.	
Street Address		
City	State	ZIP Code

Submitting Provider Information (required)

Submitting/Referring Provider Name *(Last, First)*	
Phone (with area code)	Fax* (with area code)
National Provider Identification (NPI)	

**Fax number given must be from a fax machine that complies with applicable HIPAA regulation.*

Genetic Counselor Information (required)

Genetic Counselor Name *(Last, First)*	
Phone (with area code)	Fax* (with area code)

**Fax number given must be from a fax machine that complies with applicable HIPAA regulation.*

Note: It is the client's responsibility to maintain documentation of the order.

New York State Patients: Informed Consent for Genetic Testing

"I hereby confirm that informed consent has been signed by an individual legally authorized to do so and is on file with this office or the individual's provider's office."

Signature ▶

Note: Test requests without a signature will not be performed.

Patient Information (required)

Patient ID (Medical Record No.)		
Patient Name *(Last, First, Middle)*		
Sex ☐ Male ☐ Female	Birth Date *(mm-dd-yyyy)*	
Collection Date *(mm-dd-yyyy)*	Time	☐ am ☐ pm

Reason for Testing (required)

Has molecular/DNA testing already been performed?

☐ Yes ☐ No If Yes, results:

For molecular testing options, see www.MayoClinicLabs.com

MCL Internal Use Only

Ship specimens to:

Mayo Clinic Laboratories
3050 Superior Drive NW
Rochester, MN 55901

Customer Service: 800-533-1710

Visit www.MayoClinicLabs.com for the most up-to-date test and shipping information.

Billing Information

- An itemized invoice will be sent each month.
- Payment terms are net 30 days.

Call the Business Office with billing-related questions:
800-447-6424 (US and Canada)
507-266-5490 (outside the US)

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MC0767-16Arev1222

Patient Information (required)

Patient ID (Medical Record No.)	Client Account No.
Patient Name *(Last, First, Middle)*	Client Order No.
Birth Date *(mm-dd-yyyy)*	

AMINO ACID METABOLISM

- ☐ AAQP Amino Acids, Quantitative, Plasma
- ☐ AAPD Amino Acids, Quantitative, Random, Urine
- ☐ AACSF Amino Acids, Quantitative, Spinal Fluid
- ☐ TRYPP Tryptophan, Plasma
- ☐ TRYPU Tryptophan, Random, Urine

Cystinuria

- ☐ CYSQN Cystinuria Profile, Quantitative, 24 Hour, Urine
- ☐ CYSR Cystinuria Profile, Quantitative, Random, Urine

Maple Syrup Urine Disease

- ☐ ALLOI Allo-isoleucine, Blood Spot
- ☐ AAMSD Amino Acids, Maple Syrup Urine Disease Panel, Plasma
- ☐ MSUSC Branched-Chain Amino Acids, Self-Collect, Blood Spot

Homocystinuria

- ☐ CMMPP Cobalamin, Methionine, and Methylmalonic Acid Pathways, Plasma
- ☐ CMMPS Cobalamin, Methionine, and Methylmalonic Acid Pathways, Serum
- ☐ HCYSP Homocysteine, Total, Plasma
- ☐ HCYSS Homocysteine, Total, Serum

Phenylketonuria

- ☐ PKU Phenylalanine and Tyrosine, Plasma
- ☐ PKUBS Phenylalanine and Tyrosine, Blood Spot
- ☐ PKUSC Phenylalanine and Tyrosine, Self-Collect, Blood Spot

Tyrosinemia

- ☐ TYRBS Tyrosinemia Follow up Panel, Blood Spot
- ☐ TYRSC Tyrosinemia Follow up panel, Self-Collect, Blood Spot
- ☐ SUAC Succinylacetone, Blood Spot

CARBOHYDRATE METABOLISM

Congenital Disorders of Glycosylation

- ☐ CDG Carbohydrate Deficient Transferrin for Congenital Disorders of Glycosylation, Serum
- ☐ CDGN Congenital Disorders of N-Glycosylation, Serum
- ☐ OLIGU Oligosaccharide Screen, Random, Urine
- ☐ PMMIL Phosphomannomutase and Phosphomannose Isomerase, Leukocytes
- ☐ SORBU Sorbitol and Mannitol, Quantitative, Random, Urine

Galactosemia

- ☐ GATOL Galactitol, Quantitative, Urine
- ☐ GALK Galactokinase, Blood
- ☐ GAL1P Galactose-1-Phosphate, Erythrocytes
- ☐ GALT Galactose-1-Phosphate Uridyltransferase, Blood
- ☐ GALTP Galactose-1-Phosphate Uridyltransferase Biochemical Phenotyping, Erythrocytes
- ☐ GALP Galactose, Quantitative, Plasma
- ☐ GCT Galactosemia Reflex, Blood
- ☐ GALE UDP-Galactose 4' Epimerase, Blood

Transaldolase and Ribose-5-phosphate (RPI) Deficiencies

- ☐ TALDO Polyols, Quantitative, Urine

CHOLESTEROL BIOSYNTHESIS AND TRANSPORT

- ☐ CTXWB Cerebrotendinous Xanthomatosis, Blood
- ☐ CTXBS Cerebrotendinous Xanthomatosis, Blood Spot
- ☐ CTXP Cerebrotendinous Xanthomatosis, Plasma
- ☐ HSMBS Hepatosplenomegaly Panel, Blood Spot
- ☐ HSMWB Hepatosplenomegaly Panel, Blood
- ☐ HSMP Hepatosplenomegaly Panel, Plasma
- ☐ NIEM Niemann-Pick Type C Detection, Fibroblasts
- ☐ OXYWB Oxysterols, Blood
- ☐ OXYBS Oxysterols, Blood Spots
- ☐ OXNP Oxysterols, Plasma
- ☐ SLO Smith-Lemli-Opitz Screen, Plasma
- ☐ STER Sterols, Plasma

CONGENITAL ADRENAL HYPERPLASIA

- ☐ CAH2T Congenital Adrenal Hyperplasia Newborn Screening, Blood Spot
- ☐ CAH21 Congenital Adrenal Hyperplasia Profile for 21-Hydroxylase Deficiency, Serum

CREATINE DISORDERS

- ☐ CRDPP Creatine Disorders Panel, Plasma
- ☐ CRDPU Creatine Disorders Panel, Random, Urine

DEOXYSPHINGOLIPIDS

- ☐ HSAN1 Hereditary Sensory and Autonomic Neuropathy, Type I, Serum

FAMILIAL AMYLOIDOSIS

- ☐ TTRX Amyloidosis, Transthyretin-Associated Familial, Reflex, Blood

FATTY ACID METABOLISM (BETA-OXIDATION)

- ☐ ACRN Acylcarnitines, Quantitative, Plasma
- ☐ ACRNS Acylcarnitines, Quantitative, Serum
- ☐ AGU20 Acylglycines, Quantitative, Random, Urine
- ☐ C4U C4 Acylcarnitine, Quantitative, Random, Urine
- ☐ CARN Carnitine, Plasma
- ☐ CARNS Carnitine, Serum
- ☐ CARNU Carnitine, Random, Urine
- ☐ FAO Fatty Acid Oxidation Probe Assay, Fibroblast Culture
- ☐ FAPCP Fatty Acid Profile, Comprehensive (C8-C26), Serum
- ☐ FAPM Fatty Acid Profile, Mitochondrial (C8-C18), Serum
- ☐ OAU Organic Acids Screen, Random, Urine

ORGANIC ACID METABOLISM

- ☐ C5OHU C5-OH Acylcarnitine, Quantitative, Random, Urine in this first group of tests with OAU and OAUS
- ☐ OAU Organic Acids Screen, Random, Urine
- ☐ OAUS Organic Acid Screen, Urine Spot

2-Hydroxyglutaric Aciduria

- ☐ 2HGA 2-Hydroxyglutaric Acid Chiral Analysis, Quantitative, Random, Urine

Biotinidase Deficiency

- ☐ BIOTS Biotinidase, Serum

Glutaric Acidemia

- ☐ C5DCU C5-DC Acylcarnitine, Quantitative, Random, Urine
- ☐ HGEM Hydroxyglutaric Acids, Glutaric Acid, Ethylmalonic Acid, and Methylsuccinic Acid, Blood Spot
- ☐ HGEMP Hydroxyglutaric Acids, Glutaric Acid, Ethylmalonic Acid, and Methylsuccinic Acid, Plasma
- ☐ HGEMS Hydroxyglutaric Acids, Glutaric Acid, Ethylmalonic Acid, and Methylsuccinic Acid, Serum
- ☐ TRYPP Tryptophan, Plasma
- ☐ TRYPU Tryptophan, Random, Urine

Methylmalonic Acidemia/Cobalamin/ Propionic Acidemia

- ☐ CMMPP Cobalamin, Methionine, and Methylmalonic Acid Pathways, Plasma
- ☐ CMMPS Cobalamin, Methionine, and Methylmalonic Acid Pathways, Serum
- ☐ MMAP Methylmalonic Acid, Quantitative, Plasma
- ☐ MMAS Methylmalonic Acid, Quantitative, Serum
- ☐ MMAU Methylmalonic Acid, Quantitative, Urine

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FREDREICH ATAXIA

- ☐ FFRBS — Friedreich Ataxia, Frataxin, Quantitative, Blood Spot
- ☐ FFRWB — Friedreich Ataxia, Frataxin, Quantitative, Blood

HYPEROXALURIA

- ☐ HYOX — Hyperoxaluria Panel, Random, Urine

LYSOSOMAL METABOLISM AND STORAGE DISORDERS

Multi-Disorder Panels

- ☐ CTSU — Ceramide Trihexosides and Sulfatides, Random, Urine
- ☐ HSMWB — Hepatosplenomegaly Panel, Blood
- ☐ HSMP — Hepatosplenomegaly Panel, Plasma
- ☐ PLSD — Lysosomal and Peroxisomal Storage Disorders Screen, Blood Spot
- ☐ LSDS — Lysosomal Storage Disorders Screen, Random, Urine
- ☐ LSD6W — Lysosomal Storage Disorders, Six-Enzyme Panel, Leukocytes
- ☐ MPSBS — Mucopolysaccharidosis, Blood Spot
- ☐ MPSQU — Mucopolysaccharides Quantitative, Random, Urine
- ☐ OLIGU — Oligosaccharide Screen, Random, Urine
- ☐ OXNP — Oxysterols, Plasma

Fabry Disease

- ☐ AGABS — Alpha-Galactosidase, Blood Spot
- ☐ AGAW — Alpha-Galactosidase, Leukocytes
- ☐ AGAS — Alpha-Galactosidase, Serum
- ☐ CTSU — Ceramide Trihexosides and Sulfatides, Random, Urine
- ☐ LGB3S — Globotriaosylsphingosine, Serum

Fucosidosis

- ☐ FUCW — Alpha-Fucosidase, Leukocytes

Gaucher Disease

- ☐ GBAW — Beta-Glucosidase, Leukocytes
- ☐ GPSYW — Glucopsychosine, Blood
- ☐ GPSY — Glucopsychosine, Blood Spot
- ☐ GPSYP — Glucopsychosine, Plasma

GM1 Gangliosidosis

- ☐ BGAW — Beta-Galactosidase, Blood
- ☐ BGABS — Beta-Galactosidase, Blood Spot
- ☐ BGA — Beta-Galactosidase, Leukocytes

Krabbe Disease

- ☐ GALCW — Galactocerebrosidase, Leukocytes
- ☐ PSY — Psychosine, Blood Spot
- ☐ PSYCF — Psychosine, Spinal Fluid
- ☐ PSYR — Psychosine, Whole Blood

Lysosomal Acid Lipase Deficiency

- ☐ LALB — Lysosomal Acid Lipase, Blood
- ☐ LALBS — Lysosomal Acid Lipase, Blood Spot

Mannosidosis

- ☐ MANN — Alpha-Mannosidase, Leukocytes

Metachromatic Leukodystrophy

- ☐ ARSU — Arylsulfatase A, 24 Hour, Urine
- ☐ ARSAW — Arylsulfatase A, Leukocytes
- ☐ CTSU — Ceramide Trihexosides and Sulfatides, Random, Urine

Mucopolysaccharidoses

- ☐ MPSQU — Mucopolysaccharides Quantitative, Random, Urine
- ☐ MPSER — Mucopolysaccharides Quantitative, Serum
- ☐ MPSWB — Mucopolysaccharidosis, Blood
- ☐ MPSBS — Mucopolysaccharidosis, Blood Spot

MPS Type I (Hurler/Scheie)

- ☐ IDUAW — Alpha-L-Iduronidase, Leukocytes
- ☐ MPSER — Mucopolysaccharides Quantitative, Serum

MPS Type II (Hunter)

- ☐ I2SBS — Iduronate-2-Sulfatase, Blood Spot
- ☐ I2SW — Iduronate-2-Sulfatase, Blood

MPS Type IIIB (Sanfilippo Type B)

- ☐ ANAS — Alpha-N-Acetylglucosaminidase, Serum

MPS Type IVA (Morquio A)

- ☐ G6SW — N-Acetylgalactosamine-6-Sulfatase, Leukocytes

MPS Type IVB (Morquio B)

- ☐ BGAW — Beta-Galactosidase, Blood
- ☐ BGABS — Beta-Galactosidase, Blood Spot
- ☐ BGA — Beta-Galactosidase, Leukocytes

Niemann-Pick Types A and B

- ☐ ASMW — Acid Sphingomyelinase, Leukocytes
- ☐ OXNP — Oxysterols, Plasma

Niemann-Pick Type C

- ☐ NIEM — Niemann-Pick Type C Detection, Fibroblasts
- ☐ OXNP — Oxysterols, Plasma

Neuronal Ceroid Lipofuscinoses

- ☐ TPPTL — Tripeptidyl Peptidase 1 and Palmitoyl-Protein Thioesterase 1, Leukocytes

Pompe Disease

- ☐ GAAW — Acid Alpha-Glucosidase, Leukocytes
- ☐ HEX4 — Glucotetrasaccharides, Random, Urine
- ☐ PDBS — Pompe Disease, Blood Spot
- ☐ PDCRF — Pompe Disease Cross-Reactive Immunological Material Status, Fibroblasts
- ☐ PDCRW — Pompe Disease Cross-Reactive Immunological Material Status, Leukocytes

Tay-Sachs and Sandhoff Diseases

- ☐ NAGW — Hexosaminidase A and Total Hexosaminidase, Leukocytes
- ☐ NAGS — Hexosaminidase A and Total Hexosaminidase, Serum
- ☐ NAGR — Hexosaminidase A and Total, Leukocytes/Molecular Reflex, Whole Blood
- ☐ MUGS — Hexosaminidase A, Serum

MITOCHONDRIAL ENERGY METABOLISM

- ☐ Q10 — Coenzyme Q10, Reduced and Total, Plasma
- ☐ TQ10 — Coenzyme Q10, Total, Plasma
- ☐ FAPM — Fatty Acid Profile, Mitochondrial (C8-C18), Serum
- ☐ GDF15 — Growth Differentiation Factor 15, Plasma
- ☐ LAPYP — Lactate Pyruvate Panel, Plasma
- ☐ MMPP — Mitochondrial Metabolites, Plasma
- ☐ OAU — Organic Acids Screen, Random, Urine
- ☐ PDHC — Pyruvate Dehydrogenase Complex, Fibroblasts
- ☐ PYRC — Pyruvate, Spinal Fluid
- ☐ PYR — Pyruvic Acid, Blood

NEWBORN SCREENING

Screening Panels

- ☐ LDALD — Lysosomal and Peroxisomal Disorders Newborn Screen, Blood Spot
- ☐ SNS — Supplemental Newborn Screen, Blood Spot

Second Tier Tests

- ☐ ALLOI — Allo-isoleucine, Blood Spot
- ☐ CAH2T — Congenital Adrenal Hyperplasia Newborn Screen, Blood Spot
- ☐ GPSY — Glucopsychosine, Blood Spot
- ☐ HCMM — Homocysteine (Total), Methylmalonic Acid, and Methylcitric Acid, Blood Spot
- ☐ HGEM — Hydroxyglutaric Acids, Glutaric Acid, Ethylmalonic Acid, and Methylsuccinic Acid, Blood Spot
- ☐ KD2T — Krabbe Disease Second-Tier Newborn Screen, Blood Spot
- ☐ LPCBS — Lysophosphatidylcholines, LC MS/MS, Blood Spot
- ☐ MPSBS — Mucopolysaccharidosis, Blood Spot
- ☐ OXYBS — Oxysterols, Blood Spot
- ☐ PD2T — Pompe Disease Second-Tier Newborn Screening, Blood Spot
- ☐ PSY — Psychosine, Blood Spot
- ☐ SUAC — Succinylacetone, Blood Spot

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Birth Date *(mm-dd-yyyy)*	

PEROXISOMAL BIOGENESIS & METABOLISM

☐	BAIPD	Bile Acids for Peroxisomal Disorders, Serum
☐	POXP	Fatty Acid Profile, Peroxisomal (C22-C26), Plasma
☐	POX	Fatty Acid Profile, Peroxisomal (C22-C26), Serum
☐	PIPA	Pipecolic Acid, Serum
☐	PIPU	Pipecolic Acid, Random, Urine
☐	PGRBC	Plasmalogens, Blood
☐	PGDBS	Plasmalogens, Blood Spot

PORPHYRIAS

Urine

☐	ALAUR	Aminolevulinic Acid, Urine
☐	PBGU	Porphobilinogen, Quantitative, Random, Urine
☐	PQNU	Porphyrins, Quantitative, 24 Hour, Urine
☐	PQNRU	Porphyrins, Quantitative, Random, Urine

Plasma

☐	PBALP	Porphobilinogen and Aminolevulinic Acid, Plasma
☐	PTP	Porphyrins, Total, Plasma

Fecal

☐	FQPPS	Porphyrins, Feces

Blood

☐	PEWE	Porphyrins Evaluation, Washed Erythrocytes
☐	PEE	Porphyrins Evaluation, Whole Blood
☐	PPFWE	Protoporphyrins, Fractionation, Washed Erythrocytes
☐	PPFE	Protoporphyrins, Fractionation, Whole Blood

Enzymes

☐	PBGDW	Porphobilinogen Deaminase, Washed Erythrocytes
☐	PBGD_	Porphobilinogen Deaminase, Whole Blood
☐	UPGC	Uroporphyrinogen III Synthase (Co-Synthase), Erythrocytes
☐	UPGDW	Uroporphyrinogen Decarboxylase, Washed Erythrocytes
☐	UPGD	Uroporphyrinogen Decarboxylase, Whole Blood

POSTMORTEM BIOCHEMICAL TESTING

☐	PMSBB	Postmortem Screening, Bile and Blood Spot

PURINE AND PYRIMIDINE METABOLISM

☐	PUPYP	Purine and Pyrimidine Panel, Plasma
☐	PUPYU	Purine and Pyrimidine Panel, Random, Urine
☐	SSCTU	S-Sulfocysteine Panel, Urine

UREA CYCLE DISORDERS

☐	AAQP	Amino Acids, Quantitative, Plasma
☐	AAPD	Amino Acids, Quantitative, Random, Urine
☐	AAUCD	Amino Acids, Urea Cycle Disorders Panel, Plasma
☐	OAU	Organic Acids Screen, Random, Urine
☐	OROT	Orotic Acid, Random, Urine

ADDITIONAL TESTS (INDICATE TEST NUMBER AND NAME)

Print