

Biochemical Genetics Test Request

Client Information (required)

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

Submitting Healthcare Professional Information (required)

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|---|-----------------------|
| Submitting Healthcare Professional Name (Last, First) | |
| Title/Credentials | |
| Phone (with area code) | Fax* (with area code) |
| National Provider Identification (NPI) | |
| Email** | |

**Any communication sent via email will comply with applicable HIPAA regulations.

*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."

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

Patient Information (required)

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| Patient ID (Medical Record No.) | |
| Patient Name (Last, First Middle) | |
| Sex <input type="checkbox"/> Male <input type="checkbox"/> Female | Birth Date (mm-dd-yyyy) |
| Collection Date (mm-dd-yyyy) | Time <input type="checkbox"/> am <input type="checkbox"/> pm |

Reason for Testing (required)

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| Has molecular/DNA testing already been performed? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, results: | |
| Gene _____ | Variant _____ Classification _____ |
| Gene _____ | Variant _____ Classification _____ |
| For molecular testing options, see www.MayoClinicLabs.com | |

MCL Internal Use Only

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Ship specimens to:

Mayo Clinic Laboratories
 3050 Superior Drive NW
 Rochester, MN 55905

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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AMINO ACID METABOLISM

- ☐ AAQP Amino Acids, Quantitative, Plasma
- ☐ AAPD Amino Acids, Quantitative, Random, Urine
- ☐ AACSF Amino Acids, Quantitative, Spinal Fluid
- ☐ AACYL Aminoacylase-1 Deficiency, Urine
- ☐ TRYPP Tryptophan, Plasma
- ☐ TRYPU Tryptophan, Random, Urine

Cystinuria

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

Homocystinuria

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

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
- ☐ MSUDP Maple Syrup Urine Disease Gene Panel

Phenylketonuria

- ☐ PKUBS Phenylalanine and Tyrosine, Blood Spot
- ☐ PHEGP Phenylalanine Disorders Gene Panel
- ☐ PKU Phenylalanine and Tyrosine, Plasma
- ☐ PKUSC Phenylalanine and Tyrosine, Self-Collect, Blood Spot

Tyrosinemia

- ☐ TYRGP Tyrosine Disorders Gene Panel
- ☐ 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
- ☐ CDGGP Congenital Disorders of Glycosylation Gene Panel
- ☐ 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
- ☐ GALZ Galactosemia, GALT Gene, Full Gene Analysis
- ☐ GCT Galactosemia Reflex, Blood
- ☐ GALE Uridine Diphosphate-Galactose 4' Epimerase, Blood

Transaldolase and Ribose-5-phosphate (RPI) Deficiencies

- ☐ TALDO Polyols, Quantitative, Urine

CHOLESTATIC LIVER DISEASE

- ☐ CHLGP Cholestasis Gene Panel

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
- ☐ OXYWB Oxysterols, Blood
- ☐ OXYBS Oxysterols, Blood Spots
- ☐ OXNP Oxysterols, Plasma
- ☐ SLO Smith-Lemli-Opitz Screen, Plasma
- ☐ DHCRZ Smith Lemli Opitz Syndrome, DHCR7 Gene, Full Gene Analysis
- ☐ STER Sterols, Plasma

CONGENITAL ADRENAL HYPERPLASIA

- ☐ CAH2T Congenital Adrenal Hyperplasia Newborn Screen, Blood Spot
- ☐ CAH21 Congenital Adrenal Hyperplasia (CAH) Profile for 21-Hydroxylase Deficiency, Serum
- ☐ CYPZ 21-Hydroxylase Gene, CYP21A2, Full Gene Analysis

CONGENITAL LACTIC ACIDOSIS

- ☐ CLADP Congenital Lactic Acidosis Gene Panel

CREATINE DISORDERS

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

CUSTOM GENE PANEL

- ☐ CGPH Custom Gene Panel, Hereditary, Next-Generation Sequencing Gene List ID (if known) or Genes Requested for Testing:

FAMILIAL AMYLOIDOSIS

- ☐ TTRX Amyloidosis, Transthyretin-Associated Familial, Reflex, Blood
- ☐ TTRZ TTR Gene, Full Gene Analysis

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
- ☐ HFAOP Fatty Acid Oxidation Gene Panel
- ☐ FAO Fatty Acid Oxidation Probe Assay, Fibroblast Culture
- ☐ PFAPC Fatty Acid Profile, Comprehensive (C8-C26), Plasma
- ☐ FAPCP Fatty Acid Profile, Comprehensive (C8-C26), Serum
- ☐ FAPM Fatty Acid Profile, Mitochondrial (C8-C18), Serum
- ☐ MCADZ Medium-Chain Acyl-CoA Dehydrogenase (MCAD) Deficiency Full Gene Analysis
- ☐ OAU Organic Acids Screen, Random, Urine
- ☐ VLCZ Very Long Chain Acyl-CoA Dehydrogenase Deficiency, Full Gene Analysis

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| GLYCOGEN STORAGE DISORDERS | |
| <input type="checkbox"/> | GSDGP Glycogen Storage Disease Gene Panel |
| HYPEROXALURIA | |
| <input type="checkbox"/> | HYOX Hyperoxaluria Panel, Random, Urine |
| <input type="checkbox"/> | RSCGP Nephrocalcinosis, Nephrolithiasis, and Renal Electrolyte Imbalance Gene Panel |
| LYSOSOMAL METABOLISM AND STORAGE DISORDERS | |
| <input type="checkbox"/> | CTSU Ceramide Trihexosides and Sulfatides, Random, Urine |
| <input type="checkbox"/> | HSMWB Hepatosplenomegaly Panel, Blood |
| <input type="checkbox"/> | HSMP Hepatosplenomegaly Panel, Plasma |
| <input type="checkbox"/> | PLSD Lysosomal and Peroxisomal Storage Disorders Screen, Blood Spot |
| <input type="checkbox"/> | LSDGP Lysosomal Storage Disease Gene Panel |
| <input type="checkbox"/> | LSDS Lysosomal Storage Disorders Screen, Random, Urine |
| <input type="checkbox"/> | LSD6W Lysosomal Storage Disorders, Six-Enzyme Panel, Leukocytes |
| <input type="checkbox"/> | MPSQU Mucopolysaccharides Quantitative, Random, Urine |
| <input type="checkbox"/> | MP8BS Mucopolysaccharidoses, Eight-Enzyme Panel, Blood Spot |
| <input type="checkbox"/> | OLIGU Oligosaccharide Screen, Random, Urine |
| <input type="checkbox"/> | OXNP Oxysterols, Plasma |
| Fabry Disease | |
| <input type="checkbox"/> | FABRZ Krabbe Disease, Full Gene Analysis |
| <input type="checkbox"/> | AGABS Alpha-Galactosidase, Blood Spot |
| <input type="checkbox"/> | AGAW Alpha-Galactosidase, Leukocytes |
| <input type="checkbox"/> | AGAS Alpha-Galactosidase, Serum |
| <input type="checkbox"/> | CTSU Ceramide Trihexosides and Sulfatides, Random, Urine |
| <input type="checkbox"/> | LGB3S Globotriaosylsphingosine, Serum |
| Fucosidosis | |
| <input type="checkbox"/> | FUCW Alpha-Fucosidase, Leukocytes |
| Gaucher Disease | |
| <input type="checkbox"/> | GBAW Beta-Glucosidase, Leukocytes |
| <input type="checkbox"/> | GBAZ Gaucher Disease, Full Gene Analysis |
| <input type="checkbox"/> | GPSYW Glucopsychosine, Blood |
| <input type="checkbox"/> | GPSY Glucopsychosine, Blood Spot |
| <input type="checkbox"/> | GPSYP Glucopsychosine, Plasma |
| GM1 Gangliosidosis | |
| <input type="checkbox"/> | BGA Beta-Galactosidase, Leukocytes |
| <input type="checkbox"/> | MPS4B Mucopolysaccharidosis IV Enzyme Panel, Blood Spot |
| <input type="checkbox"/> | MPS4W Mucopolysaccharidosis IV Enzyme Panel, Leukocytes |

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| Krabbe Disease | |
| <input type="checkbox"/> | GALCW Galactocerebrosidase, Leukocytes |
| <input type="checkbox"/> | KRABZ Krabbe Disease, Full Gene Analysis and Large (30 kb) Deletion |
| <input type="checkbox"/> | PSY Psychosine, Blood Spot |
| <input type="checkbox"/> | PSYCF Psychosine, Spinal Fluid |
| <input type="checkbox"/> | PSYR Psychosine, Whole Blood |
| Lysosomal Acid Lipase Deficiency | |
| <input type="checkbox"/> | LALB Lysosomal Acid Lipase, Blood |
| <input type="checkbox"/> | LALBS Lysosomal Acid Lipase, Blood Spot |
| Mannosidosis | |
| <input type="checkbox"/> | MANN Alpha-Mannosidase, Leukocytes |
| Metachromatic Leukodystrophy | |
| <input type="checkbox"/> | ARSU Arylsulfatase A, 24 Hour, Urine |
| <input type="checkbox"/> | ARSAW Arylsulfatase A, Leukocytes |
| <input type="checkbox"/> | CTSU Ceramide Trihexosides and Sulfatides, Random, Urine |
| Mucopolysaccharidoses (MPS) | |
| <input type="checkbox"/> | MPSQU Mucopolysaccharides Quantitative, Random, Urine |
| <input type="checkbox"/> | MPSER Mucopolysaccharides Quantitative, Serum |
| <input type="checkbox"/> | MPSWB Mucopolysaccharidosis, Blood |
| <input type="checkbox"/> | MPSBS Mucopolysaccharidosis, Blood Spot |
| MPS Type I (Hurler/Scheie syndrome) | |
| <input type="checkbox"/> | IDUAW Alpha-L-Iduronidase, Leukocytes |
| <input type="checkbox"/> | MPS1B Endogenous Mucopolysaccharidosis Type I (IDUA [Alpha-L-Iduronidase]) Biomarker, Blood Spot |
| <input type="checkbox"/> | MPS1R Endogenous Mucopolysaccharidosis Type I (IDUA [Alpha-L-Iduronidase]) Biomarker Reflex, Blood Spot |
| <input type="checkbox"/> | MPS1Z Hurler Syndrome, Full Gene Analysis |
| MPS Type II (Hunter syndrome) | |
| <input type="checkbox"/> | MPS2R Endogenous Mucopolysaccharidosis Type II (I2S [Iduronate-2-Sulfatase]) Biomarker Reflex, Blood Spot |
| <input type="checkbox"/> | MPS2B Endogenous Mucopolysaccharidosis Type II (I2S [Iduronate-2-Sulfatase]) Biomarker, Blood Spot |
| <input type="checkbox"/> | I2SB Iduronate-2-Sulfatase, Blood Spot |
| <input type="checkbox"/> | I2SWB Iduronate-2-Sulfatase, Leukocytes |
| <input type="checkbox"/> | MPS2Z Hunter Syndrome, Full Gene Analysis |
| MPS Type III (Sanfilippo syndrome) | |
| <input type="checkbox"/> | MPS3B Mucopolysaccharidosis III, Three-Enzyme Panel, Blood Spot |
| <input type="checkbox"/> | MPS3W Mucopolysaccharidosis III, Four-Enzyme Panel, Leukocytes |

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| MPS Type IV (Morquio syndrome) | |
| <input type="checkbox"/> | BGA Beta-Galactosidase, Leukocytes |
| <input type="checkbox"/> | MPS4B Mucopolysaccharidosis IV Enzyme Panel, Blood Spot |
| <input type="checkbox"/> | MPS4W Mucopolysaccharidosis IV Enzyme Panel, Leukocytes |
| MPS VI (Maroteaux-Lamy syndrome) | |
| <input type="checkbox"/> | ARSBB Arylsulfatase B, Blood Spot |
| <input type="checkbox"/> | ARSBW Arylsulfatase B, Leukocytes |
| MPS VII (Sly syndrome) | |
| <input type="checkbox"/> | GUSBW Beta-Glucuronidase, Leukocytes |
| <input type="checkbox"/> | GUSBB Beta-Glucuronidase, Blood Spot |
| Multiple Sulfatase Deficiency | |
| <input type="checkbox"/> | MSDBS Multiple Sulfatase Deficiency, Blood Spot |
| <input type="checkbox"/> | MSDW Multiple Sulfatase Deficiency, Leukocytes |
| Niemann-Pick Types A and B | |
| <input type="checkbox"/> | ASMW Acid Sphingomyelinase, Leukocytes |
| <input type="checkbox"/> | OXNP Oxysterols, Plasma |
| Niemann-Pick Type C | |
| <input type="checkbox"/> | OXNP Oxysterols, Plasma |
| Neuronal Ceroid Lipofuscinoses | |
| <input type="checkbox"/> | NCLGP Neuronal Ceroid Lipofuscinosis (Batten Disease) Gene Panel |
| <input type="checkbox"/> | NCLBS Neuronal Ceroid Lipofuscinosis, Two-Enzyme Panel, Blood Spot |
| <input type="checkbox"/> | NCLW Neuronal Ceroid Lipofuscinosis, Two-Enzyme Panel, Leukocytes |
| Pompe Disease | |
| <input type="checkbox"/> | GAAW Acid Alpha-Glucosidase, Leukocytes |
| <input type="checkbox"/> | GAAZ Pompe Disease, Full Gene Analysis |
| <input type="checkbox"/> | HEX4 Glucotetrasaccharides, Random, Urine |
| <input type="checkbox"/> | PDBS Pompe Disease, Blood Spot |
| Tay-Sachs and Sandhoff Diseases | |
| <input type="checkbox"/> | NAGW Hexosaminidase A and Total Hexosaminidase, Leukocytes |
| <input type="checkbox"/> | NAGS Hexosaminidase A and Total Hexosaminidase, Serum |
| <input type="checkbox"/> | NAGR Hexosaminidase A and Total, Leukocytes/Molecular Reflex, Whole Blood |
| <input type="checkbox"/> | MUGS Hexosaminidase A, Serum |
| <input type="checkbox"/> | HEXBZ Sandhoff Disease, HEXB Gene, Full Gene Analysis |
| <input type="checkbox"/> | HEXAZ Tay-Sachs Disease, HEXA Gene, Full Gene Analysis |

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| MITOCHONDRIAL DISEASES <ul style="list-style-type: none"> <input type="checkbox"/> Q10 Coenzyme Q10, Reduced and Total, Plasma <input type="checkbox"/> TQ10 Coenzyme Q10, Total, Plasma <input type="checkbox"/> FAPM Fatty Acid Profile, Mitochondrial (C8-C18), Serum <input type="checkbox"/> CMITO Combined Mitochondrial Full Genome and Nuclear Gene Panel <input type="checkbox"/> DMITO Mitochondrial DNA Deletion Heteroplasmy, ddPCR <input type="checkbox"/> GDF15 Growth Differentiation Factor 15, Plasma <input type="checkbox"/> LAPYP Lactate Pyruvate Panel, Plasma <input type="checkbox"/> MITOP Mitochondrial Full Genome Analysis, Next-Generation Sequencing (NGS) <input type="checkbox"/> MMPP Mitochondrial Metabolites, Plasma <input type="checkbox"/> NMITO Nuclear Mitochondrial Gene Panel, Next-Generation Sequencing <input type="checkbox"/> OAU Organic Acids Screen, Random, Urine <input type="checkbox"/> PYRC Pyruvate, Spinal Fluid <input type="checkbox"/> PYR Pyruvic Acid, Blood | ORGANIC ACID METABOLISM <ul style="list-style-type: none"> <input type="checkbox"/> 3MGAP 3-Methylglutaconic Aciduria Gene Panel <input type="checkbox"/> AGU20 Acylglycines, Quantitative, Random, Urine <input type="checkbox"/> C5OHU C5-OH Acylcarnitine, Quantitative, Random, Urine <input type="checkbox"/> KETGP Ketone Disorders Gene Panel <input type="checkbox"/> NAACD N-Acetylaspartic Acid, Canavan Disease, Random, Urine <input type="checkbox"/> OAU Organic Acids Screen, Random, Urine <input type="checkbox"/> O AUS Organic Acid Screen, Urine Spot 2-Hydroxyglutaric Aciduria <ul style="list-style-type: none"> <input type="checkbox"/> 2OHGP 2-Hydroxyglutaric Aciduria Gene Panel <input type="checkbox"/> 2HGA 2-Hydroxyglutaric Acid Chiral Analysis, Quantitative, Random, Urine Biotinidase Deficiency <ul style="list-style-type: none"> <input type="checkbox"/> BIOTS Biotinidase, Serum <input type="checkbox"/> BTZ Biotinidase Deficiency, <i>BTB</i> Full Gene Analysis Glutaric Acidemia <ul style="list-style-type: none"> <input type="checkbox"/> C5DCU C5-DC Acylcarnitine, Quantitative, Random, Urine <input type="checkbox"/> GA2P Glutaric Aciduria Type II Gene Panel <input type="checkbox"/> HGEM Hydroxyglutaric Acids, Glutaric Acid, Ethylmalonic Acid, and Methylsuccinic Acid, Blood Spot <input type="checkbox"/> HGEMP Hydroxyglutaric Acids, Glutaric Acid, Ethylmalonic Acid, and Methylsuccinic Acid, Plasma <input type="checkbox"/> HGEMS Hydroxyglutaric Acids, Glutaric Acid, Ethylmalonic Acid, and Methylsuccinic Acid, Serum <input type="checkbox"/> TRYPP Tryptophan, Plasma <input type="checkbox"/> TRYPU Tryptophan, Random, Urine Methylmalonic Acidemia/Cobalamin/Propionic Acidemia <ul style="list-style-type: none"> <input type="checkbox"/> CMMPP Cobalamin, Methionine, and Methylmalonic Acid Pathways, Plasma <input type="checkbox"/> CMMPS Cobalamin, Methionine, and Methylmalonic Acid Pathways, Serum <input type="checkbox"/> MMAGP Methylmalonic Aciduria Gene Panel <input type="checkbox"/> MPAGP Methylmalonic Aciduria-Propionic Aciduria Combined Gene Panel <input type="checkbox"/> MMAP Methylmalonic Acid, Quantitative, Plasma <input type="checkbox"/> MMAS Methylmalonic Acid, Quantitative, Serum <input type="checkbox"/> MMAU Methylmalonic Acid, Quantitative, Urine | PEROXISOMAL BIOGENESIS & METABOLISM <ul style="list-style-type: none"> <input type="checkbox"/> BAIPD Bile Acids for Peroxisomal Disorders, Serum <input type="checkbox"/> POXP Fatty Acid Profile, Peroxisomal (C22-C26), Plasma <input type="checkbox"/> POX Fatty Acid Profile, Peroxisomal (C22-C26), Serum <input type="checkbox"/> PDGP Peroxisomal Disorder Gene Panel <input type="checkbox"/> PIPA Pipecolic Acid, Serum <input type="checkbox"/> PIPU Pipecolic Acid, Random, Urine <input type="checkbox"/> PGRBC Plasmalogens, Blood <input type="checkbox"/> PGDBS Plasmalogens, Blood Spot <input type="checkbox"/> XALDZ X-Linked Adrenoleukodystrophy, Full Gene Analysis |
| NEUROLOGIC DISORDERS <ul style="list-style-type: none"> <input type="checkbox"/> FFRWB Friedrich Ataxia, Frataxin, Quantitative, Blood <input type="checkbox"/> FFRBS Friedrich Ataxia, Frataxin, Quantitative, Blood Spot <input type="checkbox"/> AFXN Friedrich Ataxia, Repeat Expansion Analysis <input type="checkbox"/> SORD Sorbitol and Xylitol, Quantitative, Random, Urine | | PORPHYRIAS Urine <ul style="list-style-type: none"> <input type="checkbox"/> ALAUR Aminolevulinic Acid, Urine <input type="checkbox"/> PBGU Porphobilinogen, Quantitative, Random, Urine <input type="checkbox"/> PQNU Porphyrins, Quantitative, 24 Hour, Urine <input type="checkbox"/> PQNRU Porphyrins, Quantitative, Random, Urine Plasma <ul style="list-style-type: none"> <input type="checkbox"/> PBALP Porphobilinogen and Aminolevulinic Acid, Plasma <input type="checkbox"/> PTP Porphyrins, Total, Plasma Fecal <ul style="list-style-type: none"> <input type="checkbox"/> FQPPS Porphyrins, Feces Blood <ul style="list-style-type: none"> <input type="checkbox"/> PEWE Porphyrins Evaluation, Washed Erythrocytes <input type="checkbox"/> PEE Porphyrins Evaluation, Whole Blood <input type="checkbox"/> PPFWE Protoporphyrins, Fractionation, Washed Erythrocytes <input type="checkbox"/> PPFE Protoporphyrins, Fractionation, Whole Blood Enzymes <ul style="list-style-type: none"> <input type="checkbox"/> PBGDW Porphobilinogen Deaminase, Washed Erythrocytes <input type="checkbox"/> PBGD_ Porphobilinogen Deaminase, Whole Blood <input type="checkbox"/> UPGC Uroporphyrinogen III Synthase (Co-Synthase), Erythrocytes <input type="checkbox"/> UPGDW Uroporphyrinogen Decarboxylase, Washed Erythrocytes <input type="checkbox"/> UPGD Uroporphyrinogen Decarboxylase, Whole Blood Molecular <ul style="list-style-type: none"> <input type="checkbox"/> APGP Acute Porphyria Gene Panel <input type="checkbox"/> PCGP Porphyria Comprehensive Gene Panel |
| NEWBORN SCREENING Screening Panels <ul style="list-style-type: none"> <input type="checkbox"/> LDALD Lysosomal and Peroxisomal Disorders Newborn Screen, Blood Spot <input type="checkbox"/> SNS Supplemental Newborn Screen, Blood Spot Second Tier Tests <ul style="list-style-type: none"> <input type="checkbox"/> ALLOI Allo-isoleucine, Blood Spot <input type="checkbox"/> CAH2T Congenital Adrenal Hyperplasia Newborn Screen, Blood Spot <input type="checkbox"/> GPSY Glucopsychosine, Blood Spot <input type="checkbox"/> HCMM Homocysteine (Total), Methylmalonic Acid, and Methylcitric Acid, Blood Spot <input type="checkbox"/> HGEM Hydroxyglutaric Acids, Glutaric Acid, Ethylmalonic Acid, and Methylsuccinic Acid, Blood Spot <input type="checkbox"/> LPCBS Lysophosphatidylcholines, LC MS/MS, Blood Spot <input type="checkbox"/> MPSBS Mucopolysaccharidosis, Blood Spot <input type="checkbox"/> OXYBS Oxysterols, Blood Spot <input type="checkbox"/> PD2T Pompe Disease Second-Tier Newborn Screening, Blood Spot <input type="checkbox"/> PSY Psychosine, Blood Spot <input type="checkbox"/> SUAC Succinylacetone, Blood Spot | | |

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☐ PMSBB Postmortem Screening, Bile and Blood Spot

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|--------------------------|-------|--|
| <input type="checkbox"/> | PUPYP | Purine and Pyrimidine Panel, Plasma |
| <input type="checkbox"/> | PUPYU | Purine and Pyrimidine Panel, Random, Urine |
| <input type="checkbox"/> | SSCTU | S-Sulfocysteine Panel, Urine |

☐ SAU Sialic Acid, Free and Total, Random, Urine

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|--------------------------------|---|
| <input type="checkbox"/> AAQP | Amino Acids, Quantitative, Plasma |
| <input type="checkbox"/> AAPD | Amino Acids, Quantitative, Random, Urine |
| <input type="checkbox"/> AAUCD | Amino Acids, Urea Cycle Disorders Panel, Plasma |
| <input type="checkbox"/> OAU | Organic Acids Screen, Random, Urine |
| <input type="checkbox"/> OROT | Orotic Acid, Random, Urine |
| <input type="checkbox"/> UCDP | Urea Cycle Disorders Gene Panel |

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| <input type="checkbox"/> CERS | Ceruloplasmin, Serum |
| <input type="checkbox"/> CUU | Copper, 24 Hour, Urine |
| <input type="checkbox"/> CUS1 | Copper, Serum |
| <input type="checkbox"/> WNDZ | Wilson Disease, <i>ATP7B</i> Full Gene Sequencing with Deletion/Duplication |

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| <input type="checkbox"/> WESMT | Whole Exome and Mitochondrial Genome Sequencing |
| <input type="checkbox"/> WESDX | Whole Exome Sequencing for Hereditary Disorders |
| <input type="checkbox"/> WESR | Whole Exome Sequencing Reanalysis |

| | |
|--------------------------------|--|
| <input type="checkbox"/> WGSDX | Whole Genome Sequencing for Hereditary Disorders |
| <input type="checkbox"/> WGSR | Whole Genome Sequencing Reanalysis |

This image shows a blank sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. On the left side, there is a vertical margin line, creating a narrow left margin. The top of the page has a small header area. The overall appearance is that of a standard notebook or composition paper.