



MNG LABORATORIES
Neurogenetic Answers™

5424 Glenridge Drive NE
Atlanta, GA 30342 USA
toll-free: 678.225.0222
fax: 678.225.0212
mnglabs.com

**Patient and Specimen
Information Form**

We gladly accept deliveries Monday-Saturday, excluding holidays
CLIA License #11D0703390; CAP License #1441004; State of Georgia License #060-381

Patient and Specimen Information			
Patient Last Name		Patient First Name	
Patient ID #		Date of Birth [MM/DD/YYYY]	
Diagnosis/ICD-10		Collection Date [MM/DD/YYYY]	
Gender <input type="checkbox"/> Male <input type="checkbox"/> Female	Specimen Type <input type="checkbox"/> Whole Blood <input type="checkbox"/> Buccal Swab	<input type="checkbox"/> CSF <input type="checkbox"/> Urine <input type="checkbox"/> Fibroblasts	<input type="checkbox"/> Skin [For Culture] <input type="checkbox"/> Plasma <input type="checkbox"/> Muscle <input type="checkbox"/> DNA Tissue: _____

Please complete and include our clinical information form, or attach clinical notes

Referring Physician Information		
Referring Physician Name	Print	Signature
Referring Physician NPI # [Required] or international equivalent		
Facility / Organization	Phone	
Select and Provide Email or Fax for Report Delivery	<input type="checkbox"/> Email	<input type="checkbox"/> Fax

[REQUIRED] Billing Information		
Facility Responsible for Payment		Phone
Facility Contact Person		Fax
Facility Contact Person Email	Email	
Facility Billing Address		
City, State, Zip Code		

Results (sent by secure HIPAA-compliant email or fax)			
Authorized Recipient Name		Authorized Recipient Name	
Facility		Facility	
Phone		Phone	
<input type="checkbox"/> Fax	<input type="checkbox"/> Email	<input type="checkbox"/> Fax	<input type="checkbox"/> Email

Forms Checklist
<p>All of the following are required before we will process your orders (please check the following):</p> <hr/> <ul style="list-style-type: none"> <input type="checkbox"/> All specimens that will be analyzed must be received <input type="checkbox"/> Clinical Information Form completed <input type="checkbox"/> Informed Consent for Genetic Testing completed and signed



Patient Name _____

DOB _____

STAT Testing Now Available (NGS Panels, MET and NC Tests Only)

For STAT Testing, please see page 4.

Metabolic

CSF

- | | | |
|--|---|---|
| <input type="checkbox"/> (MET01) Amino Acids | <input type="checkbox"/> (NC04) Neurotransmitter Metabolites (5HIAA, HVA, 3OMD) [Includes Biomarkers for Pyridoxine Responsive Seizures] | <input type="checkbox"/> (NC07) Sialic Acid [Disorders with Hypomyelination of Unknown Etiology/ Sialic Acid Storage Disorders] |
| <input type="checkbox"/> (MET07) Lactate | <input type="checkbox"/> (NC05) Pyridoxal 5'-phosphate [Pyridox[am]ine Phosphateoxidase Deficiency + CNS Pyridoxal 5'-phosphate Deficiency] | <input type="checkbox"/> (NC08) Alpha-Aminoadipic Semialdehyde [Pyridoxine-Responsive Seizures] |
| <input type="checkbox"/> (MET11) Pyruvate* | <input type="checkbox"/> (NC06) Succinyladenosine [Adenylosuccinate Lyase Deficiency] | <input type="checkbox"/> (NC09) 4-Hydroxybutyric Acid [Succinic Semialdehyde Dehydrogenase Deficiency] |
| <input type="checkbox"/> (NC01) 5-Methyltetrahydrofolate | | <input type="checkbox"/> (NC10) Glucose [Glucose Transporter Deficiency] |
| <input type="checkbox"/> (NC02) Neopterin [Marker for CNS Immune System Stimulation] | | |
| <input type="checkbox"/> (NC03) Neopterin/Tetrahydrobiopterin | | |

Blood & Muscle

- | | | |
|--|--|---|
| <input type="checkbox"/> (MET02) Amino acids (Plasma) | <input type="checkbox"/> (MET08) Lactate (Plasma) | <input type="checkbox"/> (MET23) Creatine & Guanidinoacetate (Plasma) |
| <input type="checkbox"/> (MET04) Coenzyme Q10 Level (Leukocytes) | <input type="checkbox"/> (MET09) Phenylalanine Loading Assay (Plasma) | <input type="checkbox"/> (MET24) Glucose (Plasma) |
| <input type="checkbox"/> (MET05) Coenzyme Q10 Level (Muscle) | <input type="checkbox"/> (MET10) Pyruvate* (Blood)
*requires deproteinization | <input type="checkbox"/> (MET29) 3-O-Methyldopa (Plasma) [Specific Marker for Aromatic L-Amino Acid Decarboxylase Deficiency] |
| | <input type="checkbox"/> (MET12) Thymidine/Deoxyuridine Analytes (Plasma) | |

Urine

- | | | |
|--|--|---|
| <input type="checkbox"/> (MET03) Amino Acids | <input type="checkbox"/> (MET19) Creatine & Guanidinoacetate | <input type="checkbox"/> (MET20) Alpha Aminoacidic Semialdehyde [Urine; for Pyridoxine-Responsive Seizures] |
|--|--|---|

Enzymology

Blood

- | | |
|---|--|
| <input type="checkbox"/> (ENZ01) Aromatic L-amino Acid Decarboxylase Enzyme Analysis (Plasma) - STAT Not Available | <input type="checkbox"/> (ENZ06) Thymidine Phosphorylase Enzyme Analysis (Blood) - STAT Not Available |
|---|--|

Immunoassays

- | | |
|---|--|
| <input type="checkbox"/> (MET22) Folate Receptor Antibody Assay (Plasma/Serum) [Cerebral Folate Deficiency] - STAT Not Available | <input type="checkbox"/> (MET25) Folate Receptor Antibody Assay (CSF) [Cerebral Folate Deficiency] - STAT Not Available |
|---|--|



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Clinical Information Form

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Patient Name _____ **DOB** _____ **Gender** Male Female

Clinical (Check All That Apply)

Eye <input type="checkbox"/> Retinitis Pigmentosa <input type="checkbox"/> Optic Atrophy <input type="checkbox"/> Other	Hearing <input type="checkbox"/> Sensorineural <input type="checkbox"/> Stickler <input type="checkbox"/> Usher	Neuronal Migration <input type="checkbox"/> Meckel <input type="checkbox"/> Joubert <input type="checkbox"/> Other	<input type="checkbox"/> Stroke
Cognitive/Neurobehavioral <input type="checkbox"/> Intellectual Disability (ID) <input type="checkbox"/> Syndromic ID <input type="checkbox"/> Nonsyndromic ID <input type="checkbox"/> Autism <input type="checkbox"/> Dementia			
Movement Disorders <input type="checkbox"/> Ataxia <input type="checkbox"/> Episodic Ataxia <input type="checkbox"/> Dystonia <input type="checkbox"/> Chorea/Athetosis <input type="checkbox"/> Parkinson Disease <input type="checkbox"/> L-Dopa Response			
Epilepsy <input type="checkbox"/> Myoclonic <input type="checkbox"/> Other <input type="checkbox"/> Absence <input type="checkbox"/> Tonic Clonic <input type="checkbox"/> Epileptic Encephalopathy	Spasticity <input type="checkbox"/> Spastic Paraplegia <input type="checkbox"/> Other <input type="checkbox"/> Spastic Quadriplegia	Connective Tissue & Bone <input type="checkbox"/> Ehlers Danlos <input type="checkbox"/> Marfan <input type="checkbox"/> Aneurysms <input type="checkbox"/> Other	
Neuromuscular <input type="checkbox"/> Distal <input type="checkbox"/> Proximal <input type="checkbox"/> Muscle Atrophy <input type="checkbox"/> Contractures <input type="checkbox"/> Malignant Hyperthermia <input type="checkbox"/> Arthrogryposis <input type="checkbox"/> Rhabdomyolysis <input type="checkbox"/> Periodic Paralysis <input type="checkbox"/> Statin Use <input type="checkbox"/> Myasthenia		Nerve/Anterior Horn Cell <input type="checkbox"/> Neurofibromas <input type="checkbox"/> Charcot-Marie-Tooth <input type="checkbox"/> Sensory <input type="checkbox"/> Autonomic <input type="checkbox"/> Pain <input type="checkbox"/> Motor <input type="checkbox"/> Nerve Conduction <input type="checkbox"/> Other	
Cardiomyopathy <input type="checkbox"/> Dilated <input type="checkbox"/> Hypertrophic <input type="checkbox"/> Noncompaction	Arrhythmias <input type="checkbox"/> Ventricular Tachycardia <input type="checkbox"/> Brugada <input type="checkbox"/> Long or Short QT <input type="checkbox"/> Conduction Defect	Congenital Heart Defects <input type="checkbox"/> Heterotaxy <input type="checkbox"/> Other	Endocrine <input type="checkbox"/> Hypothyroidism <input type="checkbox"/> Other <input type="checkbox"/> Diabetes Mellitus

Additional Comments

Imaging (Check All That Apply)

Brain MRI
 Leigh Disease Basal Ganglia Calcification Stroke Cerebellar Atrophy Abnormal Myelin (describe) _____

EEG (Describe Findings)

EMG/NVC (Describe Findings)

Laboratory

Metabolic (Describe Findings) _____	Genetic (Describe Findings) _____
CPK Maximum _____ Minimum _____	<input type="checkbox"/> Chromosome Microarray <input type="checkbox"/> Deletion/Insertion Testing <input type="checkbox"/> Other (comment)

Family History

Affected Maternal Lineage	Affected Paternal Lineage	Siblings
Relationship to Proband	Relationship to Proband	Number (specify gender)
Symptoms	Symptoms	Healthy/Affected
Ethnicity (please check)		
<input type="checkbox"/> South Asian <input type="checkbox"/> East Asian	<input type="checkbox"/> European (Non-Finnish) <input type="checkbox"/> European (Finnish)	<input type="checkbox"/> Latino <input type="checkbox"/> African <input type="checkbox"/> Other (comment)



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**STAT Testing
 Request Form**

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Patient Name _____

DOB _____

STAT Testing - Expedite Your Results

IMPORTANT: To request STAT Testing, STAT Testing Form must be **completed, signed and submitted** with test request form. Failure to do so will delay your order.

For a nominal fee, the following tests are available for STAT Testing:

Neurochemistry (NC) & Metabolic (MET) Tests \$100 per test - 7 day TAT	Molecular (MOL) Tests \$200 per test - 2 week TAT	Next-Generation Sequencing (NGS) Panels \$500 per panel - 2 week TAT
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NOTE: All MNG tests rely heavily on our proprietary Genome MaNaGer™ variant calling process coupled with our Neurogenetic Answers™ first-in-class reporting platform that delivers the actionable results you expect. MNG Laboratories will ensure any STAT orders meet the stated deadline, or the STAT fee will be waived.

Test Code

IMPORTANT: Enzymology tests NOT offered as STAT

Test Code: _____

Test Code: _____

Test Code: _____

Test Code: _____

Test Code: _____

Test Code: _____

Test Code: _____

Test Code: _____

Test Code: _____

Test Code: _____

Test Code: _____

Test Code: _____

Billing Information For STAT Testing [REQUIRED]

Facility Responsible for Payment	Phone
Facility Contact Person	Fax
Facility Contact Person Email	
Facility Billing Address	
City, State, Zip Code	

I HEREBY ACKNOWLEDGE (check all & sign below):

- I acknowledge that the responsible billing party listed above will pay for the additional costs associated with ordering a STAT Test. I understand that failure to submit payment for STAT Testing will delay my order.
- I consent that all requested STAT Tests listed above are either Neurochemistry tests, Metabolic tests, Molecular Tests or Next-Generation Sequencing Panels. I understand that all other tests are not available for STAT Testing and will not be ran as a STAT Test if requested.

Signature of Responsible Billing Party (required): _____



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**Informed Consent for
Genetic Testing**
In compliance with New York
State Civil Law: Section 79-L

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Please provide a copy of **completed** consent with sample and requisition. Failure to do so may delay testing.

When signed and dated, this written consent is written authorization to participate in genetic testing.

1. **Purpose of the Test:** My physician has explained the recommended testing: _____ (name of test or MNG test code), which is performed to help diagnose _____ (insert disease description).

I am aware that all documentation regarding this testing, including the description of the purpose, methodology, and disorders is freely available at www.mnglabs.com/tests and has either been reviewed with me by my physician or I have read the documentation on my own. **Patient (or parent/guardian) initials:** _____

2. **Statement Regarding Test Result:** A positive test result is an indication that the individual has a genetic cause for the specific disease tested for. A negative result may/may not rule out a genetic disorder depending on clinical history and quality/type of specimen tested. The individual may wish to consider further independent testing, consult a personal physician or pursue genetic counseling.
3. **Level of Certainty:** Is test-specific and determined by the methods employed, patient's clinical history and sometimes by the nature of the patient's condition at time of sampling. There is always a small possibility of error or failure in sample analysis; this is true with complex testing in any laboratory. Inclusion of clinical data, such as medical history, family history, images as they relate to the disease or disorder, will decrease the level of uncertainty in an interpretation and are encouraged to be included when submitting samples for analysis. MNG Laboratories will keep personal information private in accordance with HIPAA laws.

I consent to the retention of these documents by MNG Laboratories in their database.

Patient (or parent/guardian) Initials: _____

4. **Disclosing Test Results:** The following categories of persons or organizations that test results may be released to include, but are not limited to: hospitals or laboratories involved in the patient's care, referring physician(s) and primary care providers, other physician groups (consultants, surgeons), insurance companies (as provided by the patient or referring physician for payment purposes), and other professionals involved in patient care that assist MNG Laboratories in carrying out treatment, payment, and operational activities. Results are kept confidential. Medical Neurogenetics complies with security and privacy statutes of the federal Health Information Portability and Accountability Act (HIPAA). If a patient chooses to specifically declare where results may be released (other than the referring institution and ordering physician), please provide these *in writing* to the Compliance Officer, MNG Laboratories (quickresponse@mnglabs.com).
5. **Consent to Retain Specimen:** The laboratory does not return any remaining sample to individuals or physicians unless requested. No clinical tests other than those authorized shall be performed on the sample. A request for additional testing must be made by my referring physician or other authorized healthcare professional and there will be an additional charge. If agreed by the patient, MNG Laboratories will retain the samples for longer periods for use in an anonymous fashion for research/development or for quality assurance processes.

I consent to have my specimens retained after completion of initial testing (this consent may be withdrawn at any time and the laboratory will destroy any remaining sample). **Patient (or parent/guardian) Initials:** _____

6. **Testing for Genetic Conditions can be Complex:** If warranted, obtain professional genetic counseling prior to giving consent to fully understand what the risks and benefits are to having the testing completed. I hereby consent to participate in testing described above. I understand that a biologic specimen will be obtained from me and/or members of my family. I understand that this biologic specimen will be used for the purpose of attempting to determine if I, or members of my family, are affected or are carriers of a particular disease or are at increased risk to someday be affected with this genetic disease.

Signature of Patient

Date

Authorized Signature (Parent/Guardian)

Relationship

Name of Patient (please print clearly)

Name of Ordering MD (please print clearly)

Referring Facility (please print clearly)

Signature of Ordering MD

Important: One signature from patient (or parent/guardian), authorized person, or physician is required to complete this form. New York requires completion of all signatures on this form.