MNG LABORATORIES
A LabCorp Company

Patient and Specimen Information Form

5424 Glenridge Drive NE | Atlanta, GA 30342 USA | phone: 844.664.8378 | fax: 678.225.0212 | mnglabs.com

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 ☐ Male ☐ Female

Specimen Type
☐ Whole Blood ☐ Buccal Swab ☐ CSF ☐ Urine ☐ Fibroblasts ☐ Plasma/ Serum ☐ Muscle ☐ DNA Tissue:_____

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

Referring Physician Information

Physician Name	NPI # or equivalent *(Required)*
Facility / Organization	Signature
Report Delivery ☐ Fax ☐ Email	Phone

Billing Information *(REQUIRED)*

Self-Pay? ☐ Yes If yes, **MUST** include payer contact name & details below. Payment must be received in full prior to testing.

Facility	Contact Name
Billing Address	
City, State, Zip Code	
Phone Fax	Email

Results

Authorized Recipient Name	Authorized Recipient Name
Facility Phone	Facility Phone
☐ Fax	☐ Fax
☐ Email	☐ Email

Testing Checklist

All of the following are encouraged to be included with test orders (please check the following):

- ☐ All specimens that will be analyzed must be received - please note if samples will ship separately
- ☐ Clinical Information Form completed
- ☐ Informed Consent for Genetic Testing completed and signed

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Next Generation Sequencing Test Request Form

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Patient Name _____ DOB _____

Epilepsy

- ☐ (NGS385) Comprehensive Epilepsy + mtDNA
- ☐ (NGS418) MNG STAT Actionable Epilepsy
- ☐ (NGS412) Myoclonic Epilepsy
- ☐ (NGS386) Epileptic Encephalopathy

Movement Disorders

Ataxia / Episodic Ataxia

- ☐ (NGS324) Ataxia/Episodic Ataxia Disorders + mtDNA
- ☐ (NGS408) Ataxia/Episodic Ataxia Disorders + mtDNA + HTT Repeat Expansion
- ☐ (NGS417) Ataxia/Episodic Ataxia Disorders + mtDNA + SCA & HTT Repeat Expansions
- ☐ (NGS419) Ataxia/Episodic Ataxia Disorders + mtDNA + FRDA Repeat Expansions
- ☐ (NGS420) Ataxia/Episodic Ataxia Disorders + mtDNA + SCA & FRDA Repeat Expansions
- ☐ (NGS431) Ataxia/Episodic Ataxia Disorders + mtDNA + SCA Repeat Expansions

Dystonias

- ☐ (NGS358) Comprehensive Dystonia + mtDNA
- ☐ (NGS409) Comprehensive Dystonia + mtDNA + HTT Repeat Expansions
- ☐ (NGS357) Parkinsons Disease/Parkinsonism
- ☐ (NGS360) Basal Ganglia Calcification Dystonia
- ☐ (NGS361) OXPHOS Defect Dystonia + mtDNA
- ☐ (NGS446) Dopa-Responsive Dystonia
- ☐ (NGS359) Primary Dystonia

Neuromuscular

Muscular Dystrophy / Myopathy

- ☐ (NGS330) Comprehensive Muscular Dystrophy/Myopathy + mtDNA
- ☐ (NGS331) Congenital Myasthenic Syndromes
- ☐ (NGS332) Hypokalemic & Hyperkalemic Periodic Paralysis
- ☐ (NGS333) Malignant Hyperthermia
- ☐ (NGS447) Sarcoglycanopathies
- ☐ (NGS348) Fetal Akinesia, Arthrogryposis, or Contractures
- ☐ (NGS413) Congenital Myopathies
- ☐ (NGS421) Congenital Muscular Dystrophies
- ☐ (NGS422) Limb-Girdle Muscular Dystrophy
- ☐ (NGS423) Emery-Dreifuss Muscular Dystrophy
- ☐ (NGS424) Duchenne/Becker Muscular Dystrophy
- ☐ (NGS448) Hyperekplexia

Neuropathies

- ☐ (NGS445) Comprehensive Neuropathies
- ☐ (NGS323) Amyotrophic Lateral Sclerosis
- ☐ (NGS405) Amyotrophic Lateral Sclerosis + C9orf72 Repeat Expansion
- ☐ (NGS346) Hereditary Sensory & Autonomic Neuropathy
- ☐ (NGS400) Pain Syndromes
- ☐ (NGS345) Charcot-Marie-Tooth Disease + mtDNA
- ☐ (NGS345A) **AXONAL** Charcot-Marie-Tooth Disease + mtDNA
- ☐ (NGS345D) **DEMYELINATING** Charcot-Marie-Tooth Disease + mtDNA
- ☐ (NGS347) Spinal Muscular Atrophy
- ☐ (NGS337) Spastic Paraplegia + mtDNA
- ☐ (NGS465) Dysautonomia

Neurobehavioral

Intellectual Disability / Autism

- ☐ (NGS325) Comprehensive Intellectual Disability/Autism + mtDNA
- ☐ (NGS432) Comprehensive Intellectual Disability/Autism + Fragile X Repeat Expansion & Methylation + mtDNA
- ☐ (NGS427) X-linked Intellectual Disability + Fragile X Repeat Expansion and Methylation
- ☐ (NGS349) Nonsyndromic Intellectual Disability
- ☐ (NGS350) Syndromic Intellectual Disability
- ☐ (NGS398) Macrocephaly & Overgrowth Syndrome
- ☐ (NGS425) Microcephaly
- ☐ (NGS426) Hydrocephalus
- ☐ (NGS453) Cornelia de Lange

Neurodegeneration

- ☐ (NGS376) Comprehensive Dementia
- ☐ (NGS407) Comprehensive Dementia + C9orf72 Repeat Expansion
- ☐ (NGS410) Comprehensive Dementia + HTT Repeat Expansion
- ☐ (NGS411) Comprehensive Dementia + C9orf72 & HTT Repeat Expansions
- ☐ (NGS356) Alzheimer Disease/Frontotemporal Dementia
- ☐ (NGS406) Alzheimer Disease/Frontotemporal Dementia + C9orf72 Repeat Expansion
- ☐ (NGS380) Amyloid Related Disorders
- ☐ (NGS362) Neurodegeneration with Brain Iron Accumulation

Brain Malformation Disorders

- ☐ (NGS372) Comprehensive Leukodystrophy/ Leukoencephalopathy + mtDNA
- ☐ (NGS373) Non-Mitochondrial Leukodystrophy/Leukoencephalopathy
- ☐ (NGS374) Mitochondrial Leukodystrophy/Leukoencephalopathy + mtDNA
- ☐ (NGS375) Vanishing White Matter, Dysmyelinating, & Hypomyelinating Leukodystrophy
- ☐ (NGS387) Comprehensive Neuronal Migration Disorders + mtDNA
- ☐ (NGS388) Non-Mitochondrial Neuronal Migration Disorders
- ☐ (NGS389) Mitochondrial Neuronal Migration Disorders + mtDNA
- ☐ (NGS394) Joubert Syndrome
- ☐ (NGS395) Meckel Syndrome
- ☐ (NGS454) Polymicrogyria
- ☐ (NGS455) Lissencephaly
- ☐ (NGS456) Cerebral Cavernous Malformations
- ☐ (NGS457) Holoprosencephaly

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Neurometabolic

Neurotransmitter Deficiencies

- ☐ (NGS315) Neurotransmitter Metabolism Deficiency
- ☐ (NGS310) GABA Metabolism Deficiency
- ☐ (NGS316) Dopamine Metabolism Deficiency
- ☐ (NGS317) Serotonin Metabolism Deficiency
- ☐ (NGS318) Tetrahydrofolate Metabolism Deficiency
- ☐ (NGS320) Tyrosinemia
- ☐ (NGS344) Aicardi-Goutieres Syndrome

Mitochondrial & Cellular Energetics Deficiencies

- ☐ (NGS301) Comprehensive Cellular Energetics Defects + mtDNA
- ☐ (NGS197) Coenzyme Q10 Deficiency
- ☐ (NGS198) Comprehensive mtDNA Depletion Syndromes
- ☐ (NGS306) Oxidative Phosphorylation (OXPHOS) Defects + mtDNA
- ☐ (NGS302) Carbohydrate Metabolism Deficiency + mtDNA
- ☐ (NGS303) Lipid Metabolism Deficiency + mtDNA
- ☐ (NGS304) Pyruvate Metabolism Disorders + mtDNA
- ☐ (NGS305) PDH/Tricarboxylic Acid Cycle Defects + mtDNA
- ☐ (NGS308) Creatine Metabolism Deficiency
- ☐ (NGS311) Glutaric Acidemia Disorders
- ☐ (NGS312) Ketone Body Metabolism Deficiency
- ☐ (NGS355) Cytochrome C Oxidase Deficiency + mtDNA
- ☐ (NGS351) Leigh Disease + mtDNA

Metabolic Pathway Disorders

- ☐ (NGS307) Ceroid Lipofuscinosis Disorders
- ☐ (NGS309) Cobalamin/Homocysteine/Methionine Metabolism Deficiency
- ☐ (NGS314) Methylmalonic Acid Metabolism Deficiency
- ☐ (NGS321) Urea Cycle Disorders
- ☐ (NGS327) Congenital Glycosylation Disorders
- ☐ (NGS383) Comprehensive Metabolic Disease Hepatomegaly + mtDNA
- ☐ (NGS384) Carbohydrate Metabolism Hepatomegaly
- ☐ (NGS449) Hyperphenylalaninemia
- ☐ (NGS393) Maple Syrup Urine Disease
- ☐ (NGS396) Porphyria Disorders
- ☐ (NGS381) Mucopolysaccharidosis & Mucolipid Disorders
- ☐ (NGS313) Lysosomal Disease
- ☐ (NGS343) Peroxisomal Disease

Cardiovascular

Arrhythmias

- ☐ (NGS365) Hereditary Cardiac Arrhythmia
- ☐ (NGS366) Hereditary Ventricular Tachycardia Syndromes
- ☐ (NGS367) Arrhythmogenic Right Ventricular Dysplasia
- ☐ (NGS368) Long and Short QT Syndrome
- ☐ (NGS369) Brugada Syndrome

Cardiomyopathies

- ☐ (NGS363) Comprehensive Cardiomyopathy + mtDNA
- ☐ (NGS364) Left Ventricular Noncompaction Cardiomyopathy Syndromes

Congenital Heart Defects

- ☐ (NGS370) Congenital Heart Defects
- ☐ (NGS399) Heterotaxy Syndromes

Connective Tissue Disorders

- ☐ (NGS377) Ehlers Danlos, Ehlers Danlos-like Syndromes, and Aneurysm Syndromes
- ☐ (NGS414) Noonan Syndrome
- ☐ (NGS378) Marfan and Marfan-like Syndromes

Other Inherited Disorders

Hearing Loss and Deafness

- ☐ (NGS458) Comprehensive Hearing Loss + mtDNA
- ☐ (NGS459) Waardenburg Syndrome
- ☐ (NGS461) Pendred Syndrome
- ☐ (NGS462) Perrault Syndrome
- ☐ (NGS463) Treacher-Collins Syndrome

Vision and Ophthalmoplegia

- ☐ (NG464) Comprehensive Vision Loss & Eye Disorders + mtDNA
- ☐ (NGS352) Comprehensive Ophthalmoplegia Syndromes + mtDNA
- ☐ (NGS353) Cellular Energetics Ophthalmoplegia Syndromes + mtDNA
- ☐ (NGS354) Non-Mitochondrial Comprehensive Ophthalmoplegia Syndromes

Multi-Sensory Disorders

- ☐ (NGS401) Stickler Syndrome
- ☐ (NGS402) Usher Syndrome
- ☐ (NGS460) Alport Syndrome

Neurovascular

- ☐ (NGS429) Familial Hemiplegic Migraine + mtDNA
- ☐ (NGS430) Stroke + mtDNA
- ☐ (NGS452) Familial Hypercholesterolemia

Nephrology

- ☐ (NGS379) Polycystic Kidney Disease
- ☐ (NGS392) Bartter/Gitelman Syndromes

Neurocutaneous

- ☐ (NGS335) Neurofibromatosis
- ☐ (NGS397) Osteogensis Imperfecta
- ☐ (NGS428) Tuberous Sclerosis

Other

- ☐ (NGS319) Fever Syndromes
- ☐ (NGS371) Congenital Central Hypoventilation Syndromes
- ☐ (NGS404) Hypothyroidism
- ☐ (NGS466) Comprehensive Anemia

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Clinical Information Form

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Patient Name _____ DOB _____

Clinical (Check All That Apply)

Eye
- ☐ Retinitis Pigmentosa
- ☐ Optic Atrophy
- ☐ Other

Hearing
- ☐ Sensorineural ☐ Stickler ☐ Usher

Neuronal Migration
- ☐ Meckel ☐ Joubert ☐ Other

☐ Stroke

Cognitive/Neurobehavioral
☐ Intellectual Disability (ID) ☐ Syndromic ID ☐ Nonsyndromic ID ☐ Autism ☐ Dementia

Movement Disorders
☐ Ataxia ☐ Episodic Ataxia ☐ Dystonia ☐ Chorea/Athetosis ☐ Parkinson Disease ☐ L-Dopa Response

Epilepsy ☐ Myoclonic ☐ Other
- ☐ Absence ☐ Tonic Clonic
- ☐ Epileptic Encephalopathy

Spasticity
- ☐ Spastic Paraplegia ☐ Other
- ☐ Spastic Quadriplegia

Connective Tissue & Bone
- ☐ Ehlers Danlos ☐ Marfan ☐ Aneurysms
- ☐ Other

Neuromuscular
- ☐ Distal ☐ Proximal ☐ Muscle Atrophy ☐ Contractures
- ☐ Malignant Hyperthermia ☐ Arthrogryposis ☐ Rhabdomyolysis
- ☐ Periodic Paralysis ☐ Statin Use ☐ Myasthenia

Nerve/Anterior Horn Cell
- ☐ Neurofibromas ☐ Charcot-Marie-Tooth ☐ Sensory
- ☐ Autonomic ☐ Pain ☐ Motor ☐ Nerve Conduction
- ☐ Other

Cardiomyopathy
- ☐ Dilated ☐ Hypertrophic
- ☐ Noncompaction

Arrhythmias
- ☐ Ventricular Tachycardia ☐ Brugada
- ☐ Long or Short QT ☐ Conduction Defect

Congenital Heart Defects
- ☐ Heterotaxy
- ☐ Other

Endocrine
- ☐ Hypothyroidism ☐ Other
- ☐ Diabetes Mellitus

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)

CPK Maximum _____
Minimum _____

Genetic (Describe Findings)
- ☐ Chromosomal Microarray
- ☐ Deletion/Insertion Testing
- ☐ Other (comment)

Family History

Ethnicity (please check)

☐ Caucasian ☐ Sephardic Jewish ☐ African American (or Black) ☐ Asian
☐ Hispanic ☐ Ashkenazi Jewish ☐ Native American (or American Indian) ☐ Other: _____

Affected Maternal Lineage	Affected Paternal Lineage	Siblings
Relationship to Proband	Relationship to Proband	Number (specify gender)
Symptoms	Symptoms	Healthy/Affected

Additional Comments

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STAT Test 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 an additional fee, the following tests are available for STAT Testing:

Neurochemistry (NC) & Metabolic (MET) Tests 7 day TAT	Molecular (MOL) Tests 2 week TAT	Next-Generation Sequencing (NGS) Panels 2 week TAT

NOTE: MNG Laboratories will ensure any STAT orders meet the stated deadline, or the STAT fee will be waived.

Patient and Specimen Information

Patient Last Name	Patient First Name
Patient ID #	Date of Birth [MM/DD/YYYY]

Test Code

IMPORTANT: Enzymology, familial variants, and RNA tests NOT available 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 *(REQUIRED)*

Self-Pay? ☐ Yes If yes, **MUST** include payer contact name & details below. Payment must be received in full prior to testing.

Facility	Contact Name
Billing Address	
City, State, Zip Code	
Phone / Fax / Email	

I HEREBY ACKNOWLEDGE *(check all & sign below)*:

☐ I acknowledge that the responsibile 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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Patient Name _____ DOB _____

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 signatures from patient (or parent/guardian) OR ordering physician to complete this form.