

Neurology Specialty Testing Client Test Request

Client Information (required)

Client Name		
Client Account No.		
Client Phone	Client Order No.	
Address		
City	State	Zip Code

Submitting Provider/Provider Name Information (required)

Submitting/Referring Provider <i>(Last, First)</i>
Fill in only if Call Back is required. Phone () _____ - _____ Fax * () _____ - _____
Provider's National I.D. (NPI)

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

<p>"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."</p> <p>Signature _____</p>
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Note: It is the client's responsibility to maintain documentation of the order.

Patient Information (required)

Patient ID <i>(Medical Record No.)</i>		
Patient Name <i>(Last, First, Middle)</i>		
Gender <input type="checkbox"/> Male <input type="checkbox"/> Female	Birth Date <i>(Month DD, YYYY)</i>	
Collection Date <i>(Month DD, YYYY)</i>	Time <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	
Patient's Street Address		
Phone		
City	State	Zip Code

Reason for Referral (required)

ICD-10 Diagnosis Code

Note: It is the client's responsibility to maintain documentation of the order.
New York State Patients: Informed Consent for Genetic Testing

MML Internal Use Only

Ship specimens to:

Mayo Medical Laboratories
3050 Superior Drive NW
Rochester, MN 55901

Customer Service: 855-516-8404

Visit www.MayoMedicalLaboratories.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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AUTOIMMUNE CNS AND PARANEOPlastic DISORDERS

- ENS1 Encephalopathy, Autoimmune Evaluation, Serum (NMDA, VGKC, LGI1, CASPR2, GABA, AMPA, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-1, PCA-2, PCA-Tr, Amphiphysin, VGCC-N, VGCC-P/Q, AChR Binding, Ganglionic AChR, CRMP-5, GAD65)
- ENC1 Encephalopathy, Autoimmune Evaluation, Spinal Fluid (NMDA, VGKC, LGI1, CASPR2, GABA, AMPA, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-1, PCA-2, PCA-Tr, Amphiphysin, CRMP-5, GAD65)
- PAVAL Paraneoplastic, Autoantibody Evaluation, Serum (ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-1, PCA-2, PCA-Tr, Amphiphysin, CRMP-5, Striational, VGCC-P/Q, VGCC-N, AChR Binding, Ganglionic AChR, VGKC)
- PAC1 Paraneoplastic, Autoantibody Evaluation, Spinal Fluid (AGNA-1, Amphiphysin, ANNA-1, ANNA-2, ANNA-3, CRMP-5, PCA-1, PCA-2, PCA-Tr)
- GD65S Glutamic Acid Decarboxylase (GAD65) Antibody Assay, Serum
- GD65C Glutamic Acid Decarboxylase (GAD65) Antibody Assay, Spinal Fluid
- MOGFS Myelin Oligodendrocyte Glycoprotein (MOG-IgG1) Fluorescence-Activated Cell Sorting (FACS) Assay, Serum

DEMENTIA

Alzheimer's Disease

- APOEG Apolipoprotein E Genotyping, Blood

Autoimmune Dementia

- DMS1 Dementia, Autoimmune Evaluation, Serum (NMDA, VGKC, LGI1, CASPR2, GABA, AMPA, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-2, PCA-Tr, Amphiphysin, VGCC-N, VGCC-P/Q, AChR Binding, Ganglionic AChR, CRMP-5, GAD65)
- DMC1 Dementia, Autoimmune Evaluation, Spinal Fluid (NMDA, VGKC, LGI1, CASPR2, GABA, AMPA, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-2, PCA-Tr, Amphiphysin, CRMP-5, GAD65)

Creutzfeldt Jakob Disease

- P1433 14-3-3 Protein, Spinal Fluid
- NSESF Neuron-Specific Enolase (NSE), Spinal Fluid

Frontotemporal Dementia

- C9orf72 C9orf72 Hexanucleotide Repeat, Molecular Analysis
- MAPTZ MAPT Gene, Sequence Analysis, 7 Exon Screening Panel
- GRNZ Progranulin Gene (GRN), Full Gene Analysis

DEMYELINATING DISEASE

- CDS1 CNS Demyelinating Disease Evaluation, Serum (AQP4, MOG)
- NMOFS Neuromyelitis Optica (NMO)/Aquaporin-4-IgG Fluorescence-Activated Cell Sorting (FACS) Assay, Serum
- MOGFS Myelin Oligodendrocyte Glycoprotein (MOG-IgG1) Fluorescence-Activated Cell Sorting (FACS) Assay, Serum
- MSP2 Multiple Sclerosis (MS) Profile

DEVELOPMENTAL DELAY

- CMACB Chromosomal Microarray, Congenital, Blood
- FXS Fragile X Syndrome, Molecular Analysis
- PWAS Prader-Willi/Angelman Syndrome, Molecular Analysis
- MECP2 MECP2 Gene, Full Gene Analysis

DYSAUTONOMIA

- DYS1 Autoimmune Dysautonomia Evaluation, Serum (ANNA-1, Striational, VGCC-N, AChR Binding, Ganglionic AChR, VGKC, GAD65, VGCC-P/Q)

EPILEPSY

- EPS1 Epilepsy, Autoimmune Evaluation, Serum (NMDA, VGKC, LGI1, CASPR2, GABA, AMPA, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-2, PCA-Tr, Amphiphysin, VGCC-N, VGCC-P/Q, AChR Binding, Ganglionic AChR, CRMP-5, GAD65)
- EPC1 Epilepsy, Autoimmune Evaluation, Spinal Fluid (NMDA, VGKC, LGI1, CASPR2, GABA, AMPA, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-2, PCA-Tr, Amphiphysin, CRMP-5, GAD65)

FOLLOW-UP TESTING - NEUROIMMUNOLOGY

- PNEFS Neuroimmunology Antibody Follow-up, Serum
Specify Antibody _____
- PNEFC Neuroimmunology Antibody Follow-up, Spinal Fluid
Specify Antibody _____

MITOCHONDRIAL DISORDERS

- GDF15 Growth Differentiation Factor 15 (GDF15), Plasma
- MITOP Mitochondrial Full Genome Analysis by Next-Generation Sequencing (NGS)
- MITON Mitochondrial Nuclear Gene Panel by Next-Generation Sequencing (NGS)
- MITOT Combined Mitochondrial Analysis, Mitochondrial Full Genome and Nuclear Gene Panel

MOVEMENT DISORDERS

Hereditary

- CRAT Chromosome Analysis, Rearrangement in Ataxia Telangiectasia, Blood
- DRPL Dentatorubral-Pallidoluysian Atrophy (DRPLA) Gene Analysis
- FFRWB Friedreich Ataxia, Frataxin, Quantitative, Whole Blood
- HAD Huntington Disease, Molecular Analysis

Autoimmune

- GD65S Glutamic Acid Decarboxylase (GAD65) Antibody Assay, Serum
- GD65C Glutamic Acid Decarboxylase (GAD65) Antibody Assay, Spinal Fluid
- MDS1 Movement Disorder, Autoimmune Evaluation, Serum (Ganglionic AChR, Amphiphysin, AGNA-1, ANNA-1, ANNA-2, ANNA-3, CASPR2, CRMP-5, DPPX, LGI1, mGluR1, VGKC, NMDA, VGCC-N, VGCC-P/Q, PCA-1, PCA-2, PCA-Tr, GAD65)
- MDC1 Movement Disorder, Autoimmune Evaluation, Spinal Fluid (Amphiphysin, AGNA-1, ANNA-1, ANNA-2, ANNA-3, CASPR2, CRMP-5, DPPX, LGI1, mGluR1, NMDA, PCA-Tr, PCA-1, PCA-2, VGKC, GAD65)

MYASTHENIA GRAVIS

- MGRM Myasthenia Gravis (MG) Evaluation with MuSK Reflex, Serum (AChR Modulating, AChR Binding, Striational)
- MGA1 Myasthenia Gravis (MG) Evaluation, Adult (AChR Modulating, AChR Binding, Striational)
- MGP1 Myasthenia Gravis (MG) Evaluation, Pediatric (AChR Modulating, AChR Binding)
- MGT1 Myasthenia Gravis (MG) Evaluation, Thymoma (AChR Modulating, Ganglionic AChR, VGKC, AChR Binding, Striational, CRMP-5, GAD65)
- MGL1 Myasthenia Gravis (MG)/Lambert-Eaton Syndrome (LES) Evaluation (VGCC-P/Q, VGCC-N, AChR Modulating, AChR Binding, Striational)

Stand-Alone Antibodies

- ARBI Acetylcholine Receptor (Muscle AChR) Binding Antibody, Serum
- MUSK Muscle-Specific Kinase (MuSK) Autoantibody, Serum

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NEUROMUSCULAR: HEREDITARY

Neuromuscular Disorders

NMPAN Neuromuscular Genetic Panels by Next-Generation Sequencing (NGS)

Must select a subpanel listed below.

Distal Myopathy + Peripheral Neuropathy

Distal Weakness Expanded Panel (217 genes)

Myopathies

Myopathy Expanded Panel (141 genes)

Muscular Dystrophy Panel (77 genes)

Congenital Myopathy Panel (36 genes)

Metabolic Myopathy Panel (41 genes)

Myofibrillar Myopathy Panel (12 genes)

Distal Myopathy Panel (27 genes)

Emery-Dreifuss Panel (5 genes)

Rhabdomyolysis and Myopathy Panel (31 genes)

Motor Neuron Disease

Motor Neuron Disease Panel (17 genes)

Neuromuscular Junction

Congenital Myasthenic Syndromes Panel (25 genes)

Hyperexcitable Muscle Disease

Skeletal Muscle Channelopathy Panel (6 genes)

C9ORF C9orf72 Hexanucleotide Repeat, Molecular Analysis

DBMD Duchenne/Becker Muscular Dystrophy DMD Gene, Large Deletion and Duplication Analysis

SMNDX Spinal Muscular Atrophy Diagnostic Assay by Deletion/Duplication Analysis

SBULB Spinal Muscular Atrophy (Kennedy Disease), Molecular Analysis

Peripheral Neuropathy

TTRX Amyloidosis, Transthyretin-Associated Familial, Reflex, Blood

APO1Z Apolipoprotein A-I (APOA1) Gene, Full Gene Analysis

PMPDD PMP22 Gene, Large Deletion and Duplication Analysis

PNPAN Peripheral Neuropathy Expanded Panel by Next-Generation Sequencing (NGS)

HMSNP Hereditary Motor and Sensory Neuropathy Panel by Next-Generation Sequencing (NGS)

HMNP Hereditary Motor Neuropathy Panel by Next-Generation Sequencing (NGS)

HSPP Hereditary Spastic Paraplegia Neuropathy Panel by Next-Generation Sequencing (NGS)

MSNP Metabolic/Syndromic Neuropathy Panel by Next-Generation Sequencing (NGS)

HSNP Hereditary Sensory/Autonomic Neuropathy Panel by Next-Generation Sequencing (NGS)

SEPTZ SEPT9 Gene, Mutation Screen

PERIPHERAL NEUROPATHY: AUTOIMMUNE

Multifocal Motor Neuropathy

GM1B Ganglioside Antibody Panel, Serum (Monosialo GM1, IgG; Monosialo GM1, IgM; Asialo GM1, IgG; Asialo GM1, IgM; GD1b, IgG; GD1b, IgM)

Sensory and Motor Neuropathy

PAVAL Paraneoplastic, Autoantibody Evaluation, Serum (ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-1, PCA-2, PCA-Tr, Amphiphysin, CRMP-5, Striational, VGCC-P/Q, VGCC-N, AChR Binding, Ganglionic AChR, VGKC)

CRMWS Collapsin Response-Mediator Protein-5-IgG (CRMP-5-IgG) Western Blot, Serum

GD65S Glutamic Acid Decarboxylase (GAD65) Antibody Assay, Serum

THERAPEUTIC TESTING / DRUG MONITORING

Antiepileptic Drugs

AMOBS Amobarbital, Serum

CARTA Carbamazepine, Total, Serum

CDP Chlordiazepoxide and Metabolite, Serum

DIA Diazepam and Nordiazepam, Serum

ETHSX Ethosuximide, Serum

FELBA Felbamate (Felbatol), Serum

GABA Gabapentin, Serum

LACO Lacosamide, Serum

LAMO Lamotrigine, Serum

LEVE Levetiracetam, Serum

OMHC Oxcarbazepine Metabolite (MHC), Serum

PBR Phenobarbital, Serum

PNYA Phenytoin, Total, Serum

PRMB Primidone and Phenobarbital, Serum

SECOS Secobarbital, Serum

TOPI Topiramate, Serum

VALPA Valproic Acid, Total, Serum

ZONI Zonisamide, Serum

Pharmacogenomics

PGXFP Focused Pharmacogenomics Panel (CYP1A2, CYP2C9, CYP2C19, CYP2D6, CYP3A4, CYP3A5, SLC01B1, VKORC1, CYP4F2, and rs12777823)

CARPB Carbamazepine Hypersensitivity Pharmacogenomics, Blood

COMTV Catechol-O-Methyltransferase (COMT) Genotype

1A2V Cytochrome P450 1A2 Genotype

2C19V Cytochrome P450 2C19 Genotype, Blood

2C9GV Cytochrome P450 2C9 Genotype

2D6CV Cytochrome P450 2D6 (CYP2D6) Comprehensive Cascade

3A4V Cytochrome P450 3A4 Genotype

3A5V CYP3A5 Genotype

TPNUV Thiopurine Methyltransferase (TPMT) and Nudix Hydrolase (NUDT15) Genotyping

WARSV Warfarin Response Genotype

ADDITIONAL TESTS (INDICATE TEST NUMBER AND NAME)