Complete and print.

Reset Form

MAYO CLINIC LABORATORIES

Neurology Specialty Testing
Client 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 *(Last, First)*

Fill in only if Call Back is required.

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.*

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

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	
Street Address		
City	State	ZIP Code
Phone		

Reason for Testing (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

MCL Internal Use Only

Ship specimens to:

Mayo Clinic Laboratories
3050 Superior Drive NW
Rochester, MN 55901

Customer Service: 800-533-1710

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)

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

T732
MC0767-02Arev0123

Patient Information (required)

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

AUTOIMMUNE CNS AND PARANEOPLASTIC DISORDERS

- ☐ ENS2 — Encephalopathy, Autoimmune/ Paraneoplastic Evaluation, Serum (NMDA, LGI1, CASPR2, AMPA, GABA, DPPX, mGluR1, PCA-Tr, IgLON5, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-1, PCA-2, CRMP-5, Amphiphysin, GAD65, GFAP, NIF, Septin-7, Neurochondrin)
- ☐ ENC2 — Encephalopathy, Autoimmune/ Paraneoplastic Evaluation, Spinal Fluid (NMDA, LGI1, CASPR2, AMPA, GABA, DPPX, mGluR1, PCA-Tr, IgLON5, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA- 1, PCA-2, CRMP-5, Amphiphysin, GAD65, GFAP, NIF, Septin-7, Neurochondrin)
- ☐ K11CS — Kelch-Like Protein 11 Antibody, Cell Binding Assay, Serum
- ☐ K11CC — Kelch-Like Protein 11 Antibody, Cell Binding Assay, Spinal Fluid
- ☐ GD65S — Glutamic Acid Decarboxylase (GAD65) Antibody Assay, Serum
- ☐ GD65C — Glutamic Acid Decarboxylase (GAD65) Antibody Assay, Spinal Fluid

Pediatric CNS Disorders

- ☐ PCDEC — Pediatric Autoimmune Encephalopathy/ CNS Disorders Evaluation, Spinal Fluid (NMDA, LGI1, CASPR2, GABA, AQP4, DPPX, MGluR1, PCA-Tr, ANNA-1, GAD65, GFAP, Neurochondrin)
- ☐ PCDES — Pediatric Autoimmune Encephalopathy/ CNS Disorders Evaluation, Serum (NMDA, LGI1, CASPR2, GABA, AQP4, MOG, DPPX, MGluR1, PCA-Tr, ANNA-1, GAD65, GFAP, Neurochondrin)

AUTOIMMUNE VISION LOSS

- ☐ PVLE — Paraneoplastic Vision Loss Evaluation, Serum (RCVBS, CRMS)
- ☐ RCVBS — Recoverin-IgG Antibody by Immunoblot, Serum

DEMENTIA

Alzheimer's Disease

- ☐ ADEVL — Alzheimer's Disease Evaluation, Spinal Fluid (Abeta42, total-Tau, p-Tau181, p-Tau181/Abeta42 ratio)
- ☐ AMYR — Beta-Amyloid Ratio (1-42/1-40), Spinal Fluid
- ☐ APOEG — Apolipoprotein E Genotyping, Blood

Autoimmune Dementia

- ☐ DMS2 — Dementia, Autoimmune/Paraneoplastic Evaluation, Serum (NMDA, LGI1, CASPR2, AMPA, GABA, DPPX, mGluR1, PCA-Tr, IgLON5, ANNA-1, ANNA- 2, ANNA-3, AGNA-1, PCA-2, CRMP-5, Amphiphysin, GAD65, GFAP, NIF, Neurochondrin)
- ☐ DMC2 — Dementia, Autoimmune/Paraneoplastic Evaluation, Spinal Fluid (NMDA, LGI1, CASPR2, AMPA, GABA, DPPX, mGluR1, PCA-Tr, IgLON5, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-2, CRMP- 5, Amphiphysin, GAD65, GFAP, NIF, Neurochondrin)

Creutzfeld Jakob Disease

- ☐ NSESF — Neuron-Specific Enolase (NSE), Spinal Fluid

Frontotemporal Dementia

- ☐ C9ORF — *C9orf72* Hexanucleotide Repeat, Molecular Analysis
- ☐ AFTDP — Inherited Frontotemporal Dementia and Amyotrophic Lateral Sclersois Gene Panel (51 genes)
- ☐ CGPH — Custom Gene Panel, Hereditary, Next-Generation Sequencing (This test can be utilized to modify any of the above frontotemporal dementia multi-gene panels or to order a single gene from any of the above panels.)

Gene List ID:

CADASIL

- ☐ NTC3Z — *NOTCH3* Gene, 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
- ☐ KCSF — Immunoglobulin Kappa Free Light Chain, Spinal Fluid
- ☐ MSP3 — Multiple Sclerosis (MS) Profile, Serum and Spinal Fluid

DEVELOPMENTAL DELAY

- ☐ CMACB — Chromosomal Microarray, Congenital, Blood
- ☐ FXS — Fragile X Syndrome, Molecular Analysis
- ☐ PWAS — Prader-Willi/Angelman Syndrome, Molecular Analysis
- ☐ MCP2Z — *MECP2* Gene, Full Gene Analysis

DYSAUTONOMIA

- ☐ DYS2 — Dysautonomia Autoimmune/Paraneoplastic Evaluation, Serum (LGI1, CASPR2, DPPX, AChR Ganglionic, ANNA-1, PCA-2, CRMP-5, AP3B2)

EPILEPSY

Autoimmune Epilepsy

- ☐ EPS2 — Epilepsy, Autoimmune/Paraneoplastic Evaluation, Serum (NMDA, LGI1, CASPR2, AMPA, GABA, DPPX, mGluR1, PCA-Tr, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-2, CRMP-5, Amphiphysin, GAD65, GFAP, Neurochondrin)
- ☐ EPC2 — Epilepsy, Autoimmune/Paraneoplastic Evaluation, Spinal Fluid (NMDA, LGI1, CASPR2, AMPA, GABA, DPPX, mGluR1, PCA-Tr, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-2, CRMP-5, Amphiphysin, GAD65, GFAP, Neurochondrin)

Hereditary Epilepsy

- ☐ EPPAN — Comprehensive Epilepsy Gene Panel (319 genes)
- ☐ HMEP — Hemiplegic Migraine Gene Panel (9 genes)
- ☐ TSCP — Tuberous Sclerosis Gene Panel (2 genes)
- ☐ CSTB — *CSTB* Repeat Expansion Analysis
- ☐ CGPH — Custom Gene Panel, Hereditary (This test can be utilized to modify any of the above panels or to order a single gene from any of the above panels.)

Gene List ID:

FOLLOW-UP TESTING - NEUROIMMUNOLOGY

- ☐ PNEFS — Neuroimmunology Antibody Follow-up, Serum

  Specify Antibody:
- ☐ PNEFC — Neuroimmunology Antibody Follow-up, Spinal Fluid

  Specify Antibody:

MENINGITIS

- ☐ CSFME — Meningitis/Encephalitis Pathogen Panel, PCR, Spinal Fluid

HEREDITARY HEARING LOSS

- ☐ AHLP — AudioloGene Hearing Loss Panel, Varies

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WHOLE EXOME

- ☐ WESDX Whole Exome Sequencing for Hereditary Disorders, Varies
- ☐ WESR Whole Exome Sequencing Reanalysis, Varies

WHOLE GENOME

- ☐ WGSDX Whole Genome Sequencing for Hereditary Disorders, Varies
- ☐ WGSR Whole Genome Sequencing Reanalysis, Varies

MITOCHONDRIAL DISORDERS

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

MOVEMENT DISORDERS

Autoimmune Movement Disorders

- ☐ GLYCS Glycine Receptor Alpha1 IgG, Cell Binding Assay, Serum
- ☐ GLYCC Glycine Receptor Alpha1 IgG, Cell Binding Assay, Spinal Fluid
- ☐ MDS2 Movement Disorder, Autoimmune/ Paraneoplastc Evaluation, Serum (NMDA, LGI1, CASPR2, AMPA, GABA, DPPX, MGluR1, VGCC-P/Q, PCA-Tr, IgLON5, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-1, PCA-2, CRMP-5, Amphiphysin, GAD65, GFAP, GRAF1, ITPR1, KLHL11, NIF, Septin-5, Septin-7, AP3B2, Neurochondrin)
- ☐ MDC2 Movement Disorder, Autoimmune/ Paraneoplastic Evaluation, Spinal Fluid (NMDA, LGI1, CASPR2, AMPA, GABA, DPPX, MGluR1, PCA-Tr, IgLON5, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-1, PCA-2, CRMP-5, Amphiphysin, GAD65, GFAP, GRAF1, ITPR1, KLHL11, NIF, Septin-5, Septin-7, AP3B2, Neurochondrin)
- ☐ SPPS Stiff-Person Spectrum Disorders Evaluation, including Progressive Encephalomyelitis with Rigidity and Myoclonus, Serum (GlyR, GAD65, DPPX, Amphiphysin)
- ☐ SPPC Stiff-Person Spectrum Disorders Evaluation, including Progressive Encephalomyelitis with Rigidity and Myoclonus, Spinal Fluid (GlyR, GAD65, DPPX, Amphiphysin)

Hereditary Movement Disorders

- ☐ FFRWB Friedreich Ataxia, Frataxin, Quantitative, Whole Blood
- ☐ AFXN Friedreich Ataxia, Repeat Expansion Analysis
- ☐ SCAP Spinocerebellar Ataxia Repeat Expansion Panel
- ☐ SCARA Spinocerebellar Ataxia Type 1, 2, 3, 6, or 7, Repeat Expansion Analysis
- ☐ ATAXP Inherited Ataxia Gene Panel (198 genes)
- ☐ PARDP Inherited Parkinson Disease Gene Panel (94 genes)
- ☐ ISPP Inherited Spastic Paraplegia Gene Panel (128 genes)
- ☐ HAD Huntington Disease, Molecular Analysis
- ☐ CGPH Custom Gene Panel, Hereditary, Next-Generation Sequencing (This test can be utilized to modify any of the above peripheral neuropathy multi-gene panels or to order a single gene from any of the above panels.)

Gene List ID:

MYELOPATHY

- ☐ MAS1 Myelopathy, Autoimmune/Paraneoplastic Evaluation, Serum (AQP4, MOG, GABA, DPPX, mGluR1, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-1, PCA-2, CRMP-5, Amphiphysin, GAD65, GFAP, NIF, Septin-7, AP3B2, Neurochondrin)
- ☐ MAC1 Myelopathy, Autoimmune/Paraneoplastic Evaluation, Spinal Fluid (AQP4, GABA, DPPX, mGluR1, ANNA-1, ANNA-2, ANNA-3, AGNA-1, PCA-1, PCA-2, CRMP-5, Amphiphysin, GAD65, GFAP, NIF, Septin-7, AP3B2, Neurochondrin)

NEURODEGENERATION

- ☐ NFLC Neurofilament Light Chain, Plasma

NEUROMUSCULAR

Neuromuscular Junction Disorders

- ☐ MGMR Myasthenia Gravis Evaluation with Muscle-Specific Kinase (MuSK) Reflex, Serum
- ☐ MGLE Myasthenia Gravis/Lambert-Eaton Myasthenic Syndrome Evaluation, Serum

Stand-Alone Antibodies

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

Autoimmune Neuromuscular

Immune-Mediated Necrotizing Myopathy

- ☐ NMS1 Necrotizing Myopathy Evaluation, Serum (HMGCR, SRP)

Hereditary Neuromuscular

- ☐ MUPAN Comprehensive Neuromuscular Gene Panel (217 genes)

Motor Neuron Disease

- ☐ MNDP Inherited Motor Neuron Disease Gene Panel (34 genes)
- ☐ SOD1Z *SOD1* Gene, Full Gene Analysis
- ☐ C9ORF *C9orf72* Hexanucleotide Repeat, Molecular Analysis
- ☐ SMNDX Spinal Muscular Atrophy Diagnostic Assay, Deletion/Duplication Analysis
- ☐ SBULB Spinobulbar Muscular Atrophy (Kennedy Disease), Molecular Analysis

Myopathy

- ☐ RABMP Inherited Rhabdomyolysis and Metabolic Myopathy Panel (84 genes)

Neuromuscular Junction

- ☐ CMSP Inherited Congenital Myasthenic Syndrome Gene Panel (28 genes)
- ☐ LGCMP Inherited Limb-Girdle Muscular Dystrophy and Congenital Myasthenic Syndrome Gene Panel (65 genes)

Muscular Dystrophy

- ☐ MDYSP Inherited Muscular Dystrophy Gene Panel (75 genes)
- ☐ LGCMP Inherited Limb-Girdle Muscular Dystrophy and Congenital Myasthenic Syndrome Gene Panel (65 genes)
- ☐ EDMDP Inherited Emery-Dreifuss Gene Panel (7 genes)
- ☐ DMDZ *DMD* Gene, Full Gene Analysis
- ☐ DBMD Duchenne/Becker Muscular Dystrophy, *DMD* Gene, Large Deletion/Duplication Analysis

Hyperexcitable Muscle Disease

- ☐ SMCP Inherited Skeletal Muscle Channelopathy Gene Panel (5 genes)
- ☐ CGPH Custom Gene Panel, Hereditary (This test can be utilized to modify any of the neuromuscular multi-gene panels or to order a single gene from any of the above panels.)

Gene List ID:

Patient Information (required)

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

NEUROPATHY

Autoimmune Neuropathy

Axonal

- ☐ GM1B — Ganglioside Antibody Panel, Serum (Monosialo GM1, IgG; Monosialo GM1, IgM; Asialo GM1, IgG; Asialo GM1, IgM; GD1b, IgG; GD1b, IgM)
- ☐ AIAES — Axonal Neuropathy, Autoimmune/ Paraneoplastic Evaluation, Serum (LGI1, CASPR2, ANNA-1, ANNA-3, AGNA-1, PCA-1, PCA-2, CRMP-5, Amphiphysin, GFAP, NIF, AP3B2)

Demyelinating

- ☐ GM1B — Ganglioside Antibody Panel, Serum (Monosialo GM1, IgG; Monosialo GM1, IgM; Asialo GM1, IgG; Asialo GM1, IgM; GD1b, IgG; GD1b, IgM)
- ☐ MAGES — Myelin Associated Glycoproteins (MAG) Autoantibodies (IgM), Serum
- ☐ CIDP — Chronic Inflammatory Demyelinating Polyradiculoneuropathy/Nodopathy Evaluation, Serum

Hereditary Peripheral Neuropathy

- ☐ PMPDD — *PMP22* Gene, Large Deletion/Duplication Analysis
- ☐ PEPAN — Comprehensive Peripheral Neuropathy Gene Panel (186 genes)
- ☐ IMSNP — Inherited Motor and Sensory Neuropathy Gene Panel (87 genes)
- ☐ IMNP — Inherited Motor Neuropathy Gene Panel (26 genes)
- ☐ ISNP — Inherited Sensory Neuropathy Gene Panel (23 genes)
- ☐ TTRZ — TTR Gene, Full Gene Analysis (1 gene)

Distal Myopathy + Peripheral Neuropathy

- ☐ DWPAN — Comprehensive Distal Weakness Gene Panel (211 genes)

Brachial Plexus

- ☐ SEP9Z — SEPTIN9 Gene, Full Gene Analysis (1 gene)

- ☐ CGPH — Custom Gene Panel, Hereditary, Next-Generation Sequencing (This test can be utilized to modify any of the above peripheral neuropathy multi-gene panels or to order a single gene from any of the above panels.)

Gene List ID:

SLEEP DISORDERS

- ☐ ORXNA — Orexin-A/Hypocretin-1, Spinal Fluid

THERAPEUTIC TESTING / DRUG MONITORING

Antiepileptic Drugs

- ☐ AMOBS — Amobarbital, Serum
- ☐ CARTA — Carbamazepine, Total, Serum
- ☐ CDP — Chlordiazepoxide and Metabolite, Serum
- ☐ DIA — Diazepam and Nordiazepam, Serum
- ☐ ETX — Ethosuximide, Serum
- ☐ FELBA — Felbamate (Felbatol), Serum
- ☐ GABA — Gabapentin, Serum
- ☐ LACO — Lacosamide, Serum
- ☐ LAMO — Lamotrigine, Serum
- ☐ LEVE — Levetiracetam, Serum
- ☐ OMHC — Oxcarbazepine Metabolite, 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

- ☐ PGXQP — Focused Pharmacogenomics Panel (*CYP1A2, CYP2C9, CYP2C19, CYP2D6, CYP3A4, CYP3A5, SLCO1B1, VKORC1, CYP4F2,* and rs12777823)
- ☐ CARBR — Carbamazepine Hypersensitivity Pharmacogenomics, Varies
- ☐ COMTQ — Catechol-O-Methyltransferase (COMT) Genotype
- ☐ 1A2Q — Cytochrome P450 1A2 Genotype
- ☐ 2C19R — Cytochrome P450 2C19 Genotype
- ☐ 2C9QT — Cytochrome P450 2C9 Genotype
- ☐ 2D6Q — Cytochrome P450 2D6 Comprehensive Cascade
- ☐ 3A4Q — Cytochrome P450 3A4 Genotype
- ☐ 3A5Q — Cytochrome P450 3A5 Genotype
- ☐ NAT2Q — N-Acetyltransferase 2 *(NAT2)* Genotype
- ☐ TPNUQ — Thiopurine Methyltransferase (*TPMT*) and Nudix Hydrolase (*NUDT15*) Genotyping
- ☐ WARSQ — Warfarin Response Genotype

ADDITIONAL TESTS (INDICATE TEST NUMBER AND NAME)

Print

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