

Athena Diagnostics Neurology Test Requisition (August 2018)

Fields in red indicate required information

NOTE: Client services is now available until 9:00 PM ET. They can be reached at 800-394-4493, option 2



Who Should Athena Contact with Questions About this Order?

Name _____
Phone _____ Fax _____
Email _____

Patient Identification

Patient Name _____
Patient ID # (if available) _____ Sex: Male
DOB _____ Female
Age _____ Unknown
Mailing Address _____
City _____
Province _____ Postal Code _____
Phone _____ Day Eve Cell

Patient Authorization to Use, Transmit and Retain Personal Health Information Outside of Canada.
Your personal health information will be collected and used by Athena Diagnostics for diagnostic testing and analysis purposes. Your personal health information, including your blood specimen, will be transferred to and processed by Athena Diagnostics in its secure laboratory in Marlborough, Massachusetts. Athena Diagnostics will maintain your information on a confidential basis, and will not disclose your personal information except as required by applicable law, which may include lawful access by courts, governmental authorities or law enforcement in the US. I consent to the foregoing: Yes No

Signature of Patient, Parent or Legally Authorized Representative _____ Date _____
Printed Name of Patient, Parent or Legally Authorized Representative _____ Date _____
Relationship to Patient if Signatory is Someone Other than Patient _____

Alternative Physician Attestation of Patient Authorization. I warrant that I have obtained written consent from the patient to use, transmit and retain patient's personal health information outside of Canada substantially as described in the above Patient Authorization.

Medical Practitioner Signature _____ Date _____
Printed Name of Medical Practitioner _____

Billing Information

Please indicate responsible party (check only one):

Ministry of Health (Prior approval required before testing begins)
 Prior Approval Included Prior Approval Pending

Hospital/Laboratory

Athena Account # (if assigned) _____
Purchase Order # (if available) _____
Billing Contact _____
Email _____
Phone _____ Fax _____
Hospital/Lab Name _____
Address _____
City _____
Province _____ Postal Code _____

Self Pay Payer Information:

Name _____
Credit Card # _____
Credit Card Expiration Date _____ Security Code _____
Phone _____
Address _____
City _____
Province _____ Postal Code _____

Tests Ordered

Important: Write in the test code and test name.

Code _____ Name _____
Code _____ Name _____

Authorized Result Report Recipients Required Physician Information

Name _____
Address _____
City _____
Province _____ Postal Code _____
Phone _____ Fax _____
Email _____

Indications for Testing (Check One)

Diagnostic (symptomatic) Prenatal Family Testing
 Predictive (asymptomatic) Carrier

Physician Attestation of Informed Consent

In accordance with Massachusetts General Law Chapter 111, Section 70G, and New York Civil Rights Law Section 79-1 verification of patient informed consent is required for genetic testing. Additionally, testing laboratories located in Massachusetts require a signed acknowledgement from the ordering medical practitioner. The signed acknowledgement is required to complete the genetic testing ordered if you have not previously signed a blanket Physician Attestation of Informed Consent (PAIC) at any Quest lab. The company offers a blanket PAIC that can be signed for all future orders.

I warrant that I have obtained both oral and written consent using the **Patient Informed Consent Form for Genetic Testing** provided by Athena Diagnostics. This written consent was signed by the person who is the subject of the test (or if that person lacks capacity to consent, signed by the person authorized to consent for that person).

Medical Practitioner Signature _____ Date _____
Printed Name of Medical Practitioner _____ NPI _____

Patient Informed Consent Form for Genetic Testing is available at AthenaDiagnostics.com/consent.

Specimen Collection Laboratory Information

Lab Name _____
Address _____
City _____
Province _____ Postal Code _____
Phone _____ Fax _____

Type of Specimen Date Collected _____

Whole Blood Serum CSF Muscle
 CVS: Cultured Amniotic Fluid: Cultured DNA*

* DNA must be extracted at a CLIA-certified laboratory or a laboratory meeting equivalent requirements as determined by the CAP and/or the CMS.
CLIA# _____

NOTE: Specimen tube(s) must be labeled with two of the following forms of identification: name, date of birth, patient ID no. These same two forms of ID must also be indicated on the test requisition.

Reflex testing will be performed at an additional charge

Athena Diagnostics Neurology Testing Services (August 2018)

Important: Please be sure to write in test code and test name in the Tests Ordered section on front.

Test Code	Ref. Spec.	Ref. Vol.	Tube Type
Cerebrovascular Disease (Stroke)			
<input type="checkbox"/> 1175	Notch3(CADASIL) Sequencing Test	B	8 mL L
<input type="checkbox"/> 1149	HTRA1 (CARASIL) Sequencing Test	B	8 mL L
<input type="checkbox"/> 1120	COL4A1 Sequencing Test (CSVD)	B	8 mL L
<input type="checkbox"/> 1122	Complete CCM Sequencing and CNV Evaluation (KRIT1 Seq./Del., CCM2 Seq./Del., PDCD10 Seq./Del.)	B	8 mL L
<input type="checkbox"/> 1152	KRIT1 (CCM1) Seq. and CNV Evaluation	B	8 mL L
<input type="checkbox"/> 1106	CCM2 Seq. and CNV Evaluation	B	8 mL L
<input type="checkbox"/> 1179	PDCD10 (CCM3) Seq. and CNV Evaluation	B	8 mL L
Dementia			
<input type="checkbox"/> 178	ADmark® Alzheimer's Evaluation (ApoE, Phospho-Tau, Total-Tau, Aβ42) (Symptomatic for Dementia) <i>(CSF must be in polypropylene tube and arrive on cold pack or frozen)</i>	C	2 mL P
<input type="checkbox"/> 109	ADmark® ApoE Genotype Analysis & Interpretation (Symptomatic for Dementia)	B	8 mL L
<input type="checkbox"/> 177	ADmark® Phospho-Tau/Total-Tau/Aβ42 CSF Analysis & Interpretation (Symptomatic) <i>(CSF must be in polypropylene tube and arrive on cold pack or frozen)</i>	C	2 mL P
<input type="checkbox"/> 179	ADmark® Early-Onset Alzheimer's Evaluation (PSEN1, APP Seq./Dup., PSEN2)	B	8 mL L
<input type="checkbox"/> 167	ADmark® PSEN1 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 168	ADmark® APP DNA Sequencing Test and Duplication Test	B	8 mL L
<input type="checkbox"/> 169	ADmark® PSEN2 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 281	Frontotemporal Dementia (FTD) Evaluation (MAPT, GRN, C9orf72)	B	8 mL L
<input type="checkbox"/> 209	C9orf72 (FTD) DNA Test	B	8 mL L
<input type="checkbox"/> 204	GRN DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 205	MAPT DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 1711	Autoimmune Rapidly Progressive Dementia Evaluation with Recombx® (Hu, MaTa, CV2, Amphiphysin, GAD65, NMDA, VGKC, LGII, CASPR2)	S	2 mL R
<input type="checkbox"/> 1714	Recombx® Hu Autoantibody Test (Autoimmune Rapidly Progressive Dementia)	S	2 mL R
<input type="checkbox"/> 1716	Recombx® MaTa Autoantibody Test (Autoimmune Rapidly Progressive Dementia)	S	2 mL R
<input type="checkbox"/> 1717	Recombx® CV2 Autoantibody Test (Autoimmune Rapidly Progressive Dementia)	S	2 mL R
<input type="checkbox"/> 1718	Recombx® Amphiphysin Autoantibody Test (Autoimmune Rapidly Progressive Dementia)	S	2 mL R
<input type="checkbox"/> 1705	GAD65 Autoantibody Test (Autoimmune Rapidly Progressive Dementia)	S	2 mL R
<input type="checkbox"/> 1706	NMDA Receptor Autoantibody Test (Autoimmune Rapidly Progressive Dementia)	S	2 mL R
<input type="checkbox"/> 1707	VGKC Autoantibody Test (Autoimmune Rapidly Progressive Dementia)	S	2 mL R
<input type="checkbox"/> 1708	LGII Autoantibody Test (Autoimmune Rapidly Progressive Dementia)	S	2 mL R
<input type="checkbox"/> 1709	CASPR2 Autoantibody Test (Autoimmune Rapidly Progressive Dementia)	S	2 mL R
Developmental Disabilities			
<input type="checkbox"/> 1186	Primary Microcephaly Sequencing Evaluation (ASPM, MCPHI, WDR62)	B	8 mL L
<input type="checkbox"/> 1092	ASPM Sequencing Test	B	8 mL L
<input type="checkbox"/> 1153	MCPHI Sequencing Test	B	8 mL L
<input type="checkbox"/> 1257	WDR62 Sequencing Test	B	8 mL L
<input type="checkbox"/> 1193	SHANK3 Sequencing Test	B	8 mL L
<input type="checkbox"/> 1192	SHANK2 Sequencing Test	B	8 mL L
<input type="checkbox"/> 1190	PTEN Sequencing Test	B	5 mL L
<input type="checkbox"/> 795	Joubert Syndrome Evaluation (TMEM67, TMEM216, AHI1, CEP290, NPHP1, CC2D2A)	B	8 mL L
<input type="checkbox"/> 792	TMEM67 DNA Sequencing Test	B	8 mL L

Test Code	Ref. Spec.	Ref. Vol.	Tube Type
<input type="checkbox"/> 789	TMEM216 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 790	AHI1 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 791	CEP290 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 793	NPHP1 DNA Deletion Test	B	8 mL L
<input type="checkbox"/> 794	CC2D2A DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 737	Smith-Lemli-Opitz Syndrome (DHCR7) DNA Test	B	8 mL L
<input type="checkbox"/> 1256	VPS13B (COHI) Sequencing Test	B	8 mL L
<input type="checkbox"/> 1155	MECP2 Sequencing and CNV Evaluation	B	8 mL L
<input type="checkbox"/> 148	Rett Syndrome (MECP2) Dup./Del. Test	B	8 mL L
<input type="checkbox"/> 1038	ARX Seq. and CNV Evaluation (Intellectual Disability)	B	8 mL L
<input type="checkbox"/> 1114	CDKL5 Seq. and CNV Evaluation (Atypical Rett)	B	8 mL L
<input type="checkbox"/> 1194	SYNGAP1 Sequencing Test	B	8 mL L
<input type="checkbox"/> 1166	MEF2C Sequencing and CNV Evaluation	B	4 mL L
<input type="checkbox"/> 1142	FOXP1 Sequencing and CNV Evaluation	B	4 mL L
NOTE: Pediatric minimum for all Developmental Disabilities tests is 2 mL.			
Epilepsy			
<input type="checkbox"/> 6000	Epilepsy Advanced Sequencing and CNV Evaluation	B	8 mL L
<input type="checkbox"/> 6008	Epilepsy Advanced Sequencing and CNV Evaluation - Generalized, Absence, Focal, Febrile and Myoclonic Epilepsies	B	8 mL L
<input type="checkbox"/> 6010	Epilepsy Advanced Sequencing and CNV Evaluation - Epileptic Encephalopathy	B	8 mL L
<input type="checkbox"/> 6018	Epilepsy Advanced Sequencing and CNV Evaluation - Developmental Brain Malformations	B	8 mL L
<input type="checkbox"/> 6019	Epilepsy Advance Sequencing and CNV Evaluation - Intellectual Disability	B	8 mL L
<input type="checkbox"/> 6022	Epilepsy Advanced Sequencing and CNV Evaluation - Neuronal Ceroid Lipofuscinosis	B	8 mL L
<input type="checkbox"/> 6023	Epilepsy Advanced Sequencing and CNV Evaluation - Epilepsy with Migraine	B	8 mL L
<input type="checkbox"/> 6033	Epilepsy Advanced Sequencing and CNV Evaluation - Syndromic Disorders	B	8 mL L
<input type="checkbox"/> 6038	Epilepsy Advanced Sequencing and CNV Evaluation - Infantile Spasms	B	8 mL L
Please see website for the list of genes in each panel.			
<input type="checkbox"/> 5120	Autoimmune Epilepsy Evaluation GAD65, VGKC, CASPR2, LGII, NMDA	S	2 mL R
<input type="checkbox"/> 5101	GAD65 Neurological Syndrome Autoantibody Test (Epilepsy) (Single)	S	2 mL R
<input type="checkbox"/> 5102	VGKC Autoantibody Test (Epilepsy) (Single)	S	2 mL R
<input type="checkbox"/> 5103	CASPR2 Autoantibody Test (Epilepsy) (Single)	S	2 mL R
<input type="checkbox"/> 5104	LGII Autoantibody Test (Epilepsy) (Single)	S	2 mL R
<input type="checkbox"/> 5105	NMDA Receptor Autoantibody Test (Epilepsy) (Single)	S	2 mL R
<input type="checkbox"/> 1131	Complete Tuberous Sclerosis Seq. and CNV Evaluation (TSC1 Seq., TSC1 Del., TSC2 Seq., TSC2 Del.)	B	8 mL L
<input type="checkbox"/> 1245	TSC1 Sequencing Test	B	8 mL L
<input type="checkbox"/> 1236	TSC1 CNV Test	B	8 mL L
<input type="checkbox"/> 508	TSC1 Deletion Analysis	B	8 mL L
<input type="checkbox"/> 1255	TSC2 Sequencing Test	B	8 mL L
<input type="checkbox"/> 1254	TSC2 CNV Test	B	8 mL L
<input type="checkbox"/> 524	TSC2 DNA Deletion Test	B	8 mL L
<input type="checkbox"/> 523	TSC Familial DNA Seq. Mutation Evaluation	B	8 mL L
Proband Accession # _____			
Relationship _____			

Test Code	Ref. Spec.	Ref. Vol.	Tube Type
<input type="checkbox"/> 1129	SCN1A Seq. and CNV Evaluation	B	8 mL L
<input type="checkbox"/> 1191	SCN1A CNV Test	B	8 mL L
<input type="checkbox"/> 537	SCN1A Deletion Test	B	8 mL L
<input type="checkbox"/> 1133	CSTB (EPM1) Seq. and Repeat Expansion Evaluation	B	8 mL L
<input type="checkbox"/> 410	EPM1 DNA Test	B	8 mL L
<input type="checkbox"/> 1036	ARX Seq. and CNV Evaluation (Epilepsy)	B	8 mL L
<input type="checkbox"/> 1115	CDKL5 Seq. and CNV Evaluation (Epilepsy)	B	8 mL L
<input type="checkbox"/> 4411	SLC2A1 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 1003	GFAP (Alexander Disease) Seq. Test	B	8 mL L
<input type="checkbox"/> 443	POLG DNA Seq. Test (Alpers Syndrome)	B	8 mL L
NOTE: Pediatric minimum for all Epilepsy tests is 2 mL.			
Family Testing			
<input type="checkbox"/> 185	Familial DNA Sequence Evaluation	B	8 mL L
This test detects previously identified sequence variants in at-risk family members. This test cannot be applied to the TTR gene. For Familial TSC mutations, please order Code 523. Proband Accession # _____ Relationship _____			
Genetic: Anti-Drug Antibody			
<input type="checkbox"/> 1181	AAV9 Antibody Test	S	2 mL R
Hearing Loss			
<input type="checkbox"/> 3029	Hearing Loss Advanced Seq. and CNV Evaluation	B	8 mL L
Please see website for the complete list of genes. This test is currently not available for New York patient testing.			
<input type="checkbox"/> 329	Connexin Related Deafness Evaluation (Connexin 26, Connexin 30)	B	8 mL L
<input type="checkbox"/> 321	Connexin 26 (GJB2) DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 319	Connexin 30 (GJB6) DNA Test	B	8 mL L
Leukodystrophy			
<input type="checkbox"/> 1175	Notch3(CADASIL) Sequencing Test	B	8 mL L
<input type="checkbox"/> 6106	Leukoencephalopathy with Vanishing White Matter Evaluation (EIF2B1, EIF2B2, EIF2B3, EIF2B4, EIF2B5)	B	8 mL L
<input type="checkbox"/> 6101	EIF2B1 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 6102	EIF2B2 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 6103	EIF2B3 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 6104	EIF2B4 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 6105	EIF2B5 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 6107	ARSA DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 6108	ABCD1 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 1183	PLP1 Sequencing and CNV Evaluation	B	8 mL L
<input type="checkbox"/> 6109	GJC2 DNA Sequencing Test	B	8 mL L
Migraine			
<input type="checkbox"/> 1148	Hemiplegic Migraine Seq. Evaluation (CACNA1A, ATP1A2, SCN1A)	B	8 mL L
<input type="checkbox"/> 1103	CACNA1A Sequencing Test	B	8 mL L
<input type="checkbox"/> 1101	ATP1A2 Sequencing Test	B	8 mL L
<input type="checkbox"/> 1136	SCN1A Sequencing Test (FHM) (Exons 3, 23, 26)	B	8 mL L
Mitochondrial Disorders			
<input type="checkbox"/> 575	Common Mitochondrial Disorders Evaluation (POLG, MELAS, MERRF, NARP)	B	8 mL L
<input type="checkbox"/> 576	Progressive External Ophthalmoplegia Evaluation (POLG, TWINKLE, ANTI, OPA1, MELAS)	B	8 mL L
<input type="checkbox"/> 577	Mitochondrial Neurogastrointestinal Encephalopathy (MNGIE) Evaluation (TYMP, RRM2B, MELAS)	B	8 mL L
<input type="checkbox"/> 578	Mitochondrial Hepatoencephalopathic Evaluation (POLG, DGUOK, MPV17, TWINKLE)	B	8 mL L
<input type="checkbox"/> 579	Mitochondrial Encephalomyopathic Evaluation (TK2, RRM2B, POLG)	B	8 mL L
<input type="checkbox"/> 515	LHON mtDNA Evaluation (LHON 11778, 3460, 14484)	B	8 mL L
<input type="checkbox"/> 474	POLG DNA Sequencing Test (Related to all allelic disorders)	B	8 mL L
<input type="checkbox"/> 479	TWINKLE (PEO1/C10orf2) DNA Seq. Test (Related to mtDNA depletion)	B	8 mL L
<input type="checkbox"/> 466	ANTI (SLC25A4) DNA Sequencing Test (Related to mtDNA depletion)	B	8 mL L
<input type="checkbox"/> 469	OPA1 DNA Sequencing Test (Related to mtDNA depletion)	B	8 mL L
<input type="checkbox"/> 484	TYMP DNA Sequencing Test (Related to mtDNA depletion)	B	8 mL L
<input type="checkbox"/> 486	RRM2B DNA Sequencing Test (Related to mtDNA depletion)	B	8 mL L

Note: Test requisitions become outdated. For the most accurate and up-to-date test offering, please visit AthenaDiagnostics.com.

Test Code	Spec.	Vol.	Tube Type
<input type="checkbox"/> 487	DUOK DNA Sequencing Test (Related to mtDNA depletion)	B	8 mL L
<input type="checkbox"/> 488	MPV17 DNA Sequencing Test (Related to mtDNA depletion)	B	8 mL L
<input type="checkbox"/> 489	TK2 DNA Sequencing Test (Related to mtDNA depletion)	B	8 mL L
<input type="checkbox"/> 517	MELAS mtDNA Evaluation (MELAS 3243, 3271, 3252, 3256, 3291, 13513)	B	8 mL L
<input type="checkbox"/> 518	MERRF mtDNA Evaluation (MERRF 8344, 8356, 8296, 8363)	B	8 mL L
<input type="checkbox"/> 516	NARP mtDNA Evaluation (NARP 8993)	B	8 mL L
<input type="checkbox"/> 824	PDHA1 DNA Sequencing Test	B	8 mL L

Motor Neuron Diseases

<input type="checkbox"/> 6520	Amyotrophic Lateral Sclerosis Advanced Evaluation (ALS2, ANG, CHMPB2, C9ORF72, DCTN1, FIG4, FUS, OPTN, PFN1, SETX, SIGMARI, SOD1, SQSTM1, TARDBP, UBQLN2, VAPB, VCP)	B	8mL L
<input type="checkbox"/> 6522	Nonprevalent Amyotrophic Lateral Sclerosis Advanced Sequencing Evaluation (ALS2, ANG, CHMPB2, DCTN1, FIG4, FUS, OPTN, PFN1, SETX, SIGMARI, SQSTM1, TARDBP, UBQLN2, VAPB, VCP)	B	8mL L
<input type="checkbox"/> 670	C9orf72 DNA Test	B	8 mL L
<input type="checkbox"/> 620	SOD1 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 6601	HSP, Common Sporadic Evaluation (SPAST, SPG7)	B	8 mL L
<input type="checkbox"/> 6602	HSP, Supplemental Sporadic Evaluation (ATLN, REEP1, KIF5A, NIPA1, KIAA0196, BSCL2, HSPD1, RTN2, SLC33A1, SPG11, CYP7B1, ZFYVE26, ALS2, AP5Z1, FA2H, KIF1A, PNPLA6, SACS, SPG20, SPG21, LICAM, PLP1)	B	8 mL L
<input type="checkbox"/> 6610	HSP, Complete Dominant Evaluation (SPAST, ATLN, REEP1, KIF5A, NIPA1, KIAA0196, BSCL2, HSPD1, RTN2, SLC33A1)	B	8 mL L
<input type="checkbox"/> 6611	HSP, Common Dominant Evaluation (SPAST, ATLN, REEP1, KIF5A)	B	8 mL L
<input type="checkbox"/> 6612	HSP, Supplemental Dominant Evaluation (NIPA1, KIAA0196, BSCL2, HSPD1, RTN2, SLC33A1)	B	8 mL L
<input type="checkbox"/> 6620	HSP, Complete Recessive Evaluation (SPG11, ZFYVE26, SPG7, CYP7B1, ALS2, AP5Z1, FA2H, KIF1A, PNPLA6, SACS, SPG20, SPG21)	B	8 mL L
<input type="checkbox"/> 6621	HSP, Common Recessive Evaluation (SPG11, ZFYVE26, SPG7)	B	8 mL L
<input type="checkbox"/> 6622	HSP, Supplemental Recessive Evaluation (CYP7B1, ALS2, AP5Z1, FA2H, KIF1A, PNPLA6, SACS, SPG20, SPG21)	B	8 mL L
<input type="checkbox"/> 6630	HSP, Comprehensive Evaluation (SPAST, SPG7, ATLN, REEP1, KIF5A, NIPA1, KIAA0196, BSCL2, HSPD1, RTN2, SLC33A1, SPG11, CYP7B1, ZFYVE26, ALS2, AP5Z1, FA2H, KIF1A, PNPLA6, SACS, SPG20, SPG21, LICAM, PLP1)	B	8 mL L
<input type="checkbox"/> 6631	HSP, X-Linked Evaluation (LICAM, PLP1)	B	8 mL L
<input type="checkbox"/> 6509	SPG4 Evaluation	B	8 mL L

Individual HSP DNA Tests:			
<input type="checkbox"/> 531	Atlastin (SPG3A)	<input type="checkbox"/> 632	Paraplegin (SPG7)
<input type="checkbox"/> 633	Spatascin (SPG11)	<input type="checkbox"/> 614	ZFYVE26 (SPG15)
<input type="checkbox"/> 214	SMA Plus (Reflexive) Testing is performed in this order: 1. SMN1 Del./SMN2 Del.; 2. SMN1 Seq.	B	4 mL L
<input type="checkbox"/> 111	SMA Diagnostic Test (including SMN2 Copy Number)	B	4 mL L
<input type="checkbox"/> 211	SMN DNA Sequencing Test (only order if deletion testing has already been performed)	B	4 mL L
<input type="checkbox"/> 444	SMA Carrier Screen (SMN1 Del./SMN2 Del. Test)	B	4 mL L
<input type="checkbox"/> 117	Kennedy's Disease (SBMA) DNA Test	B	8 mL L
<input type="checkbox"/> 6521	Atypical Spinal Muscular Atrophy Advanced Sequencing Evaluation (BICD2, DYNC1H1, GARS, HSPB1, HSPB3, HSPB8, IGHBMP2, TRPV4, UBA1, VRK1)	B	8 mL L

Movement Disorders

<input type="checkbox"/> 6900	Ataxia, Complete Dominant Evaluation (ATXN1, ATXN2, ATXN3, CACNA1A, ATXN7, TBP, ATXN80S, ATXN10, PPP2R2B, ATN1, AFG3L2, KCNC3, PRKCG, SPTBN2, EEF2, FGF14, ITPR1, KCND3, PDYN, TGM6, TTBK2, VAMP1, KCNA1, CACNB4, SLC1A3, CACNA1A)	B	10 mL L
<input type="checkbox"/> 6901	Ataxia, Common Repeat Expansion Evaluation (ATXN1, ATXN2, ATXN3, CACNA1A, ATXN7, TBP, ATXN80S, ATXN10)	B	8 mL L
<input type="checkbox"/> 6903	Ataxia, Supplemental Dominant Evaluation (AFG3L2, KCNC3, PRKCG, SPTBN2, EEF2, FGF14, ITPR1, KCND3, PDYN, TGM6, TTBK2, VAMP1, KCNA1, CACNB4, SLC1A3, CACNA1A)	B	8 mL L

Test Code	Spec.	Vol.	Tube Type
<input type="checkbox"/> 6910	Ataxia, Complete Recessive Evaluation (FXN, APTX, ATM, SETX, TTPA, ADCK3, AFG3L2, ANO10, FLVCR1, GRM1, MRE11A, MTPAP, SACS, SYNE1, SYT14, TDP1, SIL1, POLG)	B	8 mL L
<input type="checkbox"/> 6911	Ataxia, Supplemental Recessive Evaluation (APTX, ATM, SETX, TTPA, ADCK3, AFG3L2, ANO10, FLVCR1, GRM1, MRE11A, MTPAP, SACS, SYNE1, SYT14, TDP1, SIL1, POLG)	B	8 mL L
<input type="checkbox"/> 6912	Oculomotor Apraxia Ataxia Advanced Sequencing Evaluation (APTX, SETX)	B	8 mL L
<input type="checkbox"/> 6920	Episodic Ataxia Evaluation (CACNB4, KCNA1, SLC1A3, CACNA1A)	B	8 mL L
<input type="checkbox"/> 6930	Ataxia, Comprehensive Evaluation (ATXN1, ATXN2, ATXN3, CACNA1A, ATXN7, TBP, ATXN80S, ATXN10, PPP2R2B, ATN1, AFG3L2, KCNC3, PRKCG, SPTBN2, EEF2, FGF14, ITPR1, KCND3, PDYN, TGM6, TTBK2, VAMP1, KCNA1, CACNB4, SLC1A3, CACNA1A, FXN, APTX, ATM, SETX, TTPA, ADCK3, AFG3L2, ANO10, FLVCR1, GRM1, MRE11A, MTPAP, SACS, SYNE1, SYT14, TDP1, SIL1, POLG)	B	10 mL L
<input type="checkbox"/> 349	Ataxia, Friedreich (FXN) Evaluation (FRDA/FXN Seq., FRDA/FXN Expansion)	B	8 mL L
<input type="checkbox"/> 353	Ataxia-Telangiectasia (ATM) Evaluation (ATM Seq., ATM Dup./Del.)	B	8 mL L

Individual Ataxia DNA Tests:			
<input type="checkbox"/> 371	SCA1 (ATXN1)	<input type="checkbox"/> 672	SCA2 (ATXN2)
<input type="checkbox"/> 373	SCA6 (CACNA1A)	<input type="checkbox"/> 677	SCA7 (ATXN7)
<input type="checkbox"/> 387	SCA10 (ATXN10)	<input type="checkbox"/> 285	SCA12 (PPP2R2B)
<input type="checkbox"/> 401	DRPLA	<input type="checkbox"/> 383	POLG1 (MIRAS)
<input type="checkbox"/> 283	TTPA (AVED)	<input type="checkbox"/> 348	FRDA/FXN Seq.
<input type="checkbox"/> 119	FRDA/FXN Expansion		
<input type="checkbox"/> 402	Chorea Differential Evaluation (DRPLA, Huntington's Disease)	B	8 mL L
<input type="checkbox"/> 116	Huntington Disease Repeat Expansion Test	B	8 mL L
<input type="checkbox"/> 639	Isolated Dystonia Evaluation (DYT1, THAP1)	B	8 mL L
<input type="checkbox"/> 626	Dystonia (DYT1) DNA Test	B	8 mL L
<input type="checkbox"/> 618	THAP1 DNA Sequencing Test (DYT6)	B	8 mL L
<input type="checkbox"/> 629	Complete Dopa-Responsive Dystonia (DYT5) Evaluation (GCHI Seq., GCHI Del., TH Seq.)	B	8 mL L
<input type="checkbox"/> 637	GCHI DNA Sequencing Test (DYT5A)	B	8 mL L
<input type="checkbox"/> 638	GCHI Deletion Test (DYT5A)	B	8 mL L
<input type="checkbox"/> 634	TH DNA Sequencing Test (DYT5B)	B	8 mL L
<input type="checkbox"/> 624	SGCE DNA Sequencing Test (DYT11)	B	8 mL L
<input type="checkbox"/> 627	SGCE Deletion Test (DYT11)	B	8 mL L
<input type="checkbox"/> 617	PNKD (MR-1) DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 588	Complete Parkinsonism Evaluation (LRRK2, PARK2, PINK1, PARK7, SNCA)	B	8 mL L
<input type="checkbox"/> 558	LRRK2 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 559	PARK2 (Parkin) DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 040	PARK2 (Parkin) Duplication/Deletion Test	B	8 mL L
<input type="checkbox"/> 542	PINK1 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 058	PINK1 Deletion Test	B	8 mL L
<input type="checkbox"/> 554	PARK7 (DJ1) DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 047	PARK7 (DJ1) Deletion Test	B	8 mL L
<input type="checkbox"/> 557	Alpha Synuclein (SNCA) DNA Seq. Test	B	8 mL L
<input type="checkbox"/> 059	Alpha Synuclein (SNCA) Dup./Del. Test	B	8 mL L
<input type="checkbox"/> 1187	PRRT2 (Dyskinesia/IC) Seq. Test	B	8 mL L

Multiple Sclerosis

<input type="checkbox"/> 1284	NMO Spectrum Evaluation (AQP4, ELISA reflex to MOG, CBA)	S	2 mL R
<input type="checkbox"/> 1287	NMO Spectrum Evaluation (AQP4, CBA reflex to MOG, CBA)	S	2 mL R
<input type="checkbox"/> 1523	Myelin Oligodendrocyte Glycoprotein (MOG) Antibody, CBA with Reflex to Titer	S	2 mL R
<input type="checkbox"/> 1282	Aquaporin-4 (AQP4) (NMO IgG) Antibody, CBA with Reflex to Titer	S	2 mL R
<input type="checkbox"/> 193	Aquaporin-4 (AQP4) Antibody (NMO-IgG), ELISA	S	2 mL R
<input type="checkbox"/> 112	NAbFeron® (INF-1) Neutralizing Antibody Test	S	2 mL R
<input type="checkbox"/> 197	TYSABRI® (Natalizumab) Antibody Test (See website for collection notes)	S	2 mL R

Myasthenia Gravis

<input type="checkbox"/> 482	MuSK Antibody Test	S	2 mL R
<input type="checkbox"/> 1480	Titin Autoantibody Test	S	2 mL R
<input type="checkbox"/> 1481	RyR Autoantibody Test	S	2 mL R
<input type="checkbox"/> 1483	LRP4 Autoantibody Test	S	2 mL R
<input type="checkbox"/> 1490	AChR Seronegative Myasthenia Gravis Evaluation	S	2 mL R
<input type="checkbox"/> 1510	Acetylcholine Receptor Binding Antibody with Reflex to Musk Antibody	S	2 mL R

Test Code	Spec.	Vol.	Tube Type
<input type="checkbox"/> 1511	Acetylcholine Receptor Binding Antibody with Reflex to MuSK/LRP4 Antibodies	S	2 mL R
<input type="checkbox"/> 1513	Acetylcholine Receptor Binding Antibody	S	2 mL R
<input type="checkbox"/> 1514	Myasthenia Gravis Panel 2	S	2 mL R
<input type="checkbox"/> 1516	Acetylcholine Receptor Blocking Antibody	S	1 mL R
<input type="checkbox"/> 1517	Acetylcholine Receptor Modulating Antibody	S	1 mL R
<input type="checkbox"/> 1521	Myasthenia Gravis Panel 2 with Reflex to MuSK Antibody	S	3 mL R

Neuromuscular Disorders

<input type="checkbox"/> 5501	Muscular Dystrophy Advanced Evaluation	B	8 mL L
<input type="checkbox"/> 5502	Congenital Muscular Dystrophy Advanced Sequencing Evaluation	B	8 mL L
<input type="checkbox"/> 5503	Congenital Myopathy Advanced Sequencing Evaluation	B	8 mL L
<input type="checkbox"/> 5504	Distal Myopathy Advanced Sequencing Evaluation	B	8 mL L
<input type="checkbox"/> 5505	Myofibrillar Myopathy Advanced Sequencing Evaluation	B	8 mL L
<input type="checkbox"/> 5506	Myotonic Syndromes Advanced Sequencing Evaluation	B	8 mL L
<input type="checkbox"/> 5507	Periodic Paralysis Advanced Sequencing Evaluation	B	8 mL L
<input type="checkbox"/> 5508	Malignant Hyperthermia Advanced Sequencing Evaluation	B	8 mL L
<input type="checkbox"/> 5518	Emergy-Dreifuss Muscular Dystrophy Advanced Sequencing Evaluation	B	8 mL L
<input type="checkbox"/> 5519	Limb Girdle Muscular Dystrophy Advanced Evaluation	B	8 mL L
<input type="checkbox"/> 5511	Congenital Myasthenic Syndrome Advanced Sequencing Evaluation	B	8 mL L
<input type="checkbox"/> 5530	DMD Evaluation	B	8 mL L

NOTE: Please see website for the list of genes in each panel.

<input type="checkbox"/> 5531	DMD Duplication/Deletion	B	8 mL L
<input type="checkbox"/> 183	DMD DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 100	Dystrophin Protein Test	M	10 mg C
<input type="checkbox"/> 207	Early-Onset Myotonia Evaluation (DM1, CLCN1, SCN4A)	B	8 mL L
<input type="checkbox"/> 108	DMPK DNA Test (DM1)	B	8 mL L
<input type="checkbox"/> 110	CNBP DNA Test (DM2) (DM2 testing is not recommended for patients with early onset myotonic dystrophy)	B	8 mL L
<input type="checkbox"/> 128	CLCN1 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 146	SCN4A (Myotonia) DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 585	CAPN3 Evaluation (includes CAPN3 Seq., CAPN3 Del.)	B	8 mL L

Individual Limb Girdle Muscular Dystrophy Tests:			
<input type="checkbox"/> 562	FKRP	<input type="checkbox"/> 565	LMNA
<input type="checkbox"/> 582	SGCA Duplication/Deletion Test	<input type="checkbox"/> 566	CAV3
<input type="checkbox"/> 583	SGCG Duplication/Deletion Test		
<input type="checkbox"/> 584	CAPN3 Duplication/Deletion Test		
<input type="checkbox"/> 561	Dysferlin Protein Blood Test (must arrive on cold pack) Sample must be received within 72 hours of draw.	B	10 mL L
<input type="checkbox"/> 571	Dysferlin Sequencing Test	B	8 mL L
<input type="checkbox"/> 405	FSHD1 Southern Blot Test (Sample must be received within 72 hours of draw.)	B	15 mL L
<input type="checkbox"/> 5905	FSHD Molecular Combing Test (Sample must be received within 72 hours of draw.)	B	15 mL L
<input type="checkbox"/> 300	OPMD Repeat Expansion Test	B	8 mL L
<input type="checkbox"/> 490	Optic Atrophy Evaluation (OPA1)	B	8 mL L

Neuro-Oncology

<input type="checkbox"/> 648	Neurofibromatosis Type 1 (NF1) Evaluation (NF1 Sequencing, NF1 Deletion)	B	8 mL L
<input type="checkbox"/> 645	Neurofibromatosis Type 2 (NF2) Evaluation (NF2 Seq., NF2 Dup./Del.)	B	8 mL L
<input type="checkbox"/> 646	Neurofibromatosis Type 1 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 647	Neurofibromatosis Type 1 Deletion Test	B	8 mL L
<input type="checkbox"/> 635	Neurofibromatosis Type 2 DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 644	Neurofibromatosis Type 2 Duplication/Deletion Test	B	8 mL L

Note: Additional specimens accepted. Please contact Lab Director.

Important: Please be sure to write in test code and test name in the Tests Ordered section on front.

Test Code	Spec.	Vol.	Tube Type
Paraneoplastic & Other Antibody Disorders of the CNS			
<input type="checkbox"/> 4711	Paraneoplastic Neurological Syndromes Evaluation with Recombx [®] , Initial Assessment (Hu, Yo, CV2, MaTa, Ri, Amphiphysin)	S or C	2 mL P
<input type="checkbox"/> 4620	NeoComplete Paraneoplastic Evaluation with Recombx [®] (Hu, Yo, Zic4, CV2, MaTa, Ri, CAR, VGCC, VGKC, Amphiphysin, gnAChR, NMDA, GAD65, LGII, CASPR2)	S	2 mL R
<input type="checkbox"/> 4640	Paraneoplastic Autoantibody Evaluation with Recombx [®] , CSF (Hu, Yo, Zic4, CV2, MaTa, Ri, CAR, Amphiphysin, NMDA, LGII, CASPR2)	C	2ml P
<input type="checkbox"/> 4724	NeoCerebellar Degeneration Paraneoplastic Profile with Recombx [®] (Hu, Yo, Zic4, CV2, MaTa, Ri, Amphiphysin, GAD65 Neurological Syndrome)	S	2 mL R
<input type="checkbox"/> 4722	NeoEncephalitis Paraneoplastic Evaluation with Recombx [®] (Hu, CV2, MaTa, VGKC, Amphiphysin, GAD65, LGII, NMDA, CASPR2)	S	2 mL R
<input type="checkbox"/> 4725	NeoSensory Neuropathy Paraneoplastic Profile with Recombx [®] (Hu, CV2, Amphiphysin)	S	2 mL R
<input type="checkbox"/> 4727	Neuromyotonia Evaluation (CASPR2, VGKC)	S	2 mL R
Individual Recombx [®] Autoantibody Tests:			
<input type="checkbox"/> 4684	CAR	<input type="checkbox"/> 4681	CV2
<input type="checkbox"/> 4682	Hu	<input type="checkbox"/> 4683	MaTa
<input type="checkbox"/> 4685	Ri	<input type="checkbox"/> 4686	Yo
<input type="checkbox"/> 4689	Zic4	<input type="checkbox"/> 449	LGII Antibody Test
<input type="checkbox"/> 499	CASPR2 Antibody Test	<input type="checkbox"/> 419	NMDA Receptor Autoantibody Test
<input type="checkbox"/> 422	GAD65 Neurological Syndrome Antibody Test	<input type="checkbox"/> 475	VGCC Type P/Q Autoantibody Test (LEMS)
<input type="checkbox"/> 485	VGKC Antibody Test	<input type="checkbox"/> 4674	Recombx [®] Amphiphysin Autoantibody Test
<input type="checkbox"/> 428	Ganglionic AChR Antibody Test	<input type="checkbox"/> 3100	SensoriMotor Neuropathy Profile with Recombx [®] - Complete (Co-GMI Quattro [®] , MAG 'Dual Antigen' [®] , Hu, GALOP [™] , Sulfatide)
<input type="checkbox"/> 3148	Sensory Neuropathy Profile with Recombx [®] (MAG 'Dual Antigen' [®] , Hu, GALOP [™] , Sulfatide)	S	2 mL R
<input type="checkbox"/> 3163	Motor Neuropathy Profile - Complete (Co-GMI Quattro [®] , MAG 'Dual Antigen' [®])	S	2 mL R
<input type="checkbox"/> 289	Multifocal Motor Neuropathy Evaluation (Co-GMI Quattro [®] , PMP22 Dup./Del.)	S B	2 mL 8 mL L

Test Code	Spec.	Vol.	Tube Type
<input type="checkbox"/> 3155	Co-GMI Quattro [®] Autoantibody Test (Co-Asialo, GD1a, Co-GD1b and Co-GMI)	S	2 mL R
<input type="checkbox"/> 3127	MAG 'Dual Antigen' [®] Autoantibody Test	S	2 mL R
<input type="checkbox"/> 261	GALOP [™] Autoantibody Test	S	2 mL R
<input type="checkbox"/> 210	Sulfatide Autoantibody Test	S	2 mL R
<input type="checkbox"/> 160	GQ1b Autoantibody Test	S	2 mL R
<input type="checkbox"/> 278	GD1a Autoantibody Test	S	2 mL R
<input type="checkbox"/> 272	Co-Asialo Autoantibody Test	S	2 mL R
<input type="checkbox"/> 273	Co-GD1b Autoantibody Test	S	2 mL R
<input type="checkbox"/> 271	Co-GMI Autoantibody Test	S	2 mL R
Peripheral Neuropathy: Hereditary			
<input type="checkbox"/> 4010	CMT Advanced Evaluation - Initial Genetic Assessment (PMP22 Dup./Del., GJB1 (Cx32), MPZ, MFN2 Seq.)	B	8 mL L
<input type="checkbox"/> 4011	CMT Advanced Evaluation - Nonprevalent Axonal (GJB1 (Cx32) Del., NFL, GDAP1, GARS, RAB7, HSPB1, DNMT2, YARS, LMNA, TRPV4, HSPB8 Seq.)	B	8 mL L
<input type="checkbox"/> 4012	CMT Advanced Evaluation - Nonprevalent Demyelinating (GJB1 (Cx32) Del., EGR2, LITAF, PMP22, PRX, GDAP1, DNMT2, YARS, SH3TC2, MTMR2, NDRG1, FGD4, FIG4, SBF2 Seq.)	B	8 mL L
<input type="checkbox"/> 4013	CMT Advanced Evaluation - Nonprevalent Demyelinating (GJB1 (Cx32) Del., PMP22, EGR2, LITAF, PRX, GDAP1, RAB7, GARS, NFL, HSPB1, LMNA, FIG4, SH3TC2, DNMT2, YARS, FGD4, NDRG1, TRPV4, HSPB8, MTMR2, SBF2 Seq.)	B	8 mL L
<input type="checkbox"/> 4001	CMT Advanced Evaluation - Comprehensive (Reflexive) Testing is performed in this order: 1. PMP22 Dup./Del. If negative: 2. Cx32, PMP22, MFN2, MPZ, EGR2, LITAF, PRX, GDAP1, RAB7, GARS, NFL, HSPB1, LMNA, FIG4, SH3TC2, DNMT2, YARS, FGD4, NDRG1, TRPV4, HSPB8, MTMR2, SBF2 DNA Seq.	B	8 mL L
<input type="checkbox"/> 4002	CMT Advanced Evaluation - Dominant, Demyelinating (Reflexive) Testing is performed in this order: 1. PMP22 Dup./Del. If negative: 2. MPZ, PMP22 Seq., EGR2, LITAF, DNMT2, YARS DNA Seq.	B	8 mL L
<input type="checkbox"/> 4003	CMT Advanced Evaluation - Dominant, Axonal (MFN2, MPZ, RAB7, GARS, NFL, HSPB1, LMNA, DNMT2, YARS, TRPV4, HSPB8)	B	8 mL L
<input type="checkbox"/> 4004	CMT Advanced Evaluation - Recessive, Demyelinating (PRX, GDAP1, SBF2, SH3TC2, MTMR2, NDRG1, FGD4, FIG4)	B	8 mL L
<input type="checkbox"/> 4005	CMT Advanced Evaluation - Dominant (Reflexive) Testing is performed in this order: 1. PMP22 Dup./Del. If negative: 2. MFN2, MPZ, PMP22 Seq., EGR2, LITAF, RAB7, GARS, NFL, HSPB1, DNMT2, YARS, TRPV4, HSPB8 DNA Seq.	B	8 mL L

Test Code	Spec.	Vol.	Tube Type
<input type="checkbox"/> 4006	CMT Advanced Evaluation - Recessive (PRX, GDAP1, SBF2, LMNA, FIG4, SH3TC2, MTMR2, NDRG1, FGD4)	B	8 mL L
<input type="checkbox"/> 4007	CMT Advanced Evaluation - Demyelinating (Reflexive) Testing is performed in this order: 1. PMP22 Dup./Del. If negative: 2. Cx32, MPZ, PMP22 Seq., EGR2, LITAF, PRX, GDAP1, DNMT2, YARS, SH3TC2, MTMR2, NDRG1, FGD4, FIG4, SBF2 DNA Seq.	B	8 mL L
<input type="checkbox"/> 4008	CMT Advanced Evaluation - Axonal (MFN2, Cx32, MPZ, RAB7, GARS, NFL, HSPB1, GDAP1, DNMT2, YARS, LMNA, TRPV4, HSPB8)	B	8 mL L
Individual CMT Tests:			B 8 mL L
<input type="checkbox"/> 144	TRPV4	<input type="checkbox"/> 463	HSPB8
<input type="checkbox"/> 354	MTMR2	<input type="checkbox"/> 164	SBF2
<input type="checkbox"/> 394	NDRG1	<input type="checkbox"/> 208	FGD4
<input type="checkbox"/> 253	DNMT2	<input type="checkbox"/> 468	YARS
<input type="checkbox"/> 221	GDAP1 (CMT2K, 4A)	<input type="checkbox"/> 222	LITAF/SIMPLE (CMTIC)
<input type="checkbox"/> 223	MFN2 (CMT2A2)	<input type="checkbox"/> 239	PRX (CMT4F)
<input type="checkbox"/> 247	PMP22 Seq.	<input type="checkbox"/> 248	EGR2 (CMT1D)
<input type="checkbox"/> 249	NFL (CMT2E, 1F)	<input type="checkbox"/> 131	PMP22 Dup./Del. (CMT1A)
<input type="checkbox"/> 134	MPZ (CMT1B, 2I, 2J)	<input type="checkbox"/> 226	LMNA (CMT2B1, 4C1)
<input type="checkbox"/> 224	SH3TC2 (CMT4C)	<input type="checkbox"/> 227	RAB7 (CMT2B)
<input type="checkbox"/> 225	FIG4 (CMT4J)	<input type="checkbox"/> 228	GARS (CMT2D)
<input type="checkbox"/> 143	Cx32 Seq./Del. (CMTX)	<input type="checkbox"/> 229	HSPB1 (CMT2F)
<input type="checkbox"/> 243	Complete HNPP Evaluation (PMP22 Sequencing, PMP22 Dup./Del.)	B	8 mL L
<input type="checkbox"/> 245	Congenital Hypomyelination Evaluation (MPZ, EGR2)	B	8 mL L
<input type="checkbox"/> 296	Entrapment Neuropathy Evaluation (PMP22 Seq., PMP22 Dup./Del., TTR)	B	8 mL L
<input type="checkbox"/> 235	TTR DNA Sequencing Test	B	8 mL L
Peripheral Neuropathy: Hereditary Sensory Autonomic Neuropathy			
<input type="checkbox"/> 691	Early-Onset HSAN Evaluation (NTRK1 and WNK1)	B	8 mL L
<input type="checkbox"/> 698	Late-Onset HSAN Evaluation (SPTLC1 and SPTLC2)	B	8 mL L
<input type="checkbox"/> 551	SPTLC1 (HSAN I) DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 552	SPTLC2 (HSAN I) DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 553	WNK1 (HSAN II) DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 659	NTRK1 (HSAN IV) DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 660	ATL1 (HSAN I) DNA Sequencing Test	B	8 mL L
<input type="checkbox"/> 719	SEPT9 (HNA) DNA Sequencing Test	B	8 mL L

NOTE: Specimen tube(s) must be labeled with two of the following forms of identification: name, date of birth, last four digits of SS#, patient ID no. These same two forms of ID must be indicated on the test requisition.

Specimen Type	Tube Type
C - CSF	M - Muscle Tissue
B - Blood	P - Polypropylene CSF Transfer Tube
S - Serum	R - Red
	L - Lavender
	C - Cryovial
	**CSF must be collected in a tube not containing additives.

Athena Diagnostics Nephrology Testing Services (August 2018)

Test Code		Pref. Spec.	Pref. Vol.	Tube Type
Alport Syndrome				
<input type="checkbox"/> 759	Complete Alport Syndrome Evaluation (COL4A3,4,5 DNA Sequencing; COL4A5 Deletion Test)	B	8 mL	L
<input type="checkbox"/> 755	COL4A5 Sequencing and Deletion Analysis	B	8 mL	L
<input type="checkbox"/> 756	COL4A5 Deletion Analysis	B	8 mL	L
<input type="checkbox"/> 757	COL4A3 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 758	COL4A4 DNA Sequencing Test	B	8 mL	L
Amyloidosis				
<input type="checkbox"/> 235	TTR DNA Sequencing Test	B	8 mL	L
Bardet-Biedl Syndrome				
<input type="checkbox"/> 887	Bardet-Biedl Syndrome Evaluation (BBS1, BBS2, BBS10)	B	8 mL	L
<input type="checkbox"/> 871	BBS1 (BBS) DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 872	BBS2 (BBS) DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 886	BBS10 (BBS) DNA Sequencing Test	B	8 mL	L
Fanconi Syndrome				
<input type="checkbox"/> 517	MELAS mtDNA Evaluation (MELAS 3243, 3271, 3252, 3256, 3291, 13513)	B	8 mL	L
Family Testing				
<input type="checkbox"/> 185	Familial DNA Sequence Evaluation This test detects previously identified sequence variants in at-risk family members. Proband Accession # _____ Relationship _____	B	8 mL	L
Hereditary Renal Tubular Disorders				
<input type="checkbox"/> 767	Hereditary Renal Tubular Disorders Evaluation (SLC12A1, KCNJ1, CLCNKB, BSND, SLC12A3)	B	8 mL	L
<input type="checkbox"/> 762	SLC12A1 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 763	KCNJ1 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 764	CLCNKB DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 765	BSND DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 766	SLC12A3 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 825	CASR DNA Sequencing Test	B	8 mL	L
Monogenic Hypertension				
<input type="checkbox"/> 749	Monogenic Hypertension Evaluation (SCNN1B, SCNN1G, CYP11B1, HSD11B2)	B	8 mL	L
<input type="checkbox"/> 747	Liddle's Syndrome Evaluation (SCNN1B, SCNN1G)	B	8 mL	L
<input type="checkbox"/> 748	Pseudohypoaldosteronism Type 1 Evaluation (SCNN1A, SCNN1B, SCNN1G)	B	8 mL	L
<input type="checkbox"/> 772	SCNN1A DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 745	SCNN1B DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 746	SCNN1G DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 774	CYP11B1 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 775	HSD11B2 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 779	CYP11B1/CYP11B2 Chimeric Gene Fusion Test	B	8 mL	L
Nephrogenic Diabetes Insipidus				
<input type="checkbox"/> 854	Nephrogenic Diabetes Insipidus Evaluation (AVPR2, AQP2)	B	8 mL	L
<input type="checkbox"/> 851	AVPR2 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 852	AQP2 DNA Sequencing Test	B	8 mL	L
Nephronophthisis				
<input type="checkbox"/> 750	NPH1 Deletion Test (Familial Juvenile Nephronophthisis)	B	8 mL	L

Test Code		Pref. Spec.	Pref. Vol.	Tube Type
Nephrotic Syndrome				
<input type="checkbox"/> 722	Early Onset Nephrotic Syndrome Evaluation (PLCE1, LAMB2, WTI, NPHS1, NPHS2)	B	8 mL	L
<input type="checkbox"/> 717	Focal and Segmental Glomerulosclerosis (FSGS) Evaluation (INF2, ACTN4, TRPC6, NPHS2)	B	8 mL	L
<input type="checkbox"/> 711	ACTN4 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 712	TRPC6 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 716	INF2 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 718	PLCE1 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 713	WT1 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 714	LAMB2 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 710	NPHS2 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 730	NPHS1 DNA Sequencing Test	B	8 mL	L
Polycystic Kidney Disease				
<input type="checkbox"/> 728	PKDx [®] Familial Mutation Evaluation (PKD1 and PKD2 Single Exon Sequencing) Proband Accession # _____ Relationship _____	B	8 mL	L
<input type="checkbox"/> 8100	Complete PKDx Evaluation	B	8 mL	L
<input type="checkbox"/> 8105	PKD1 Deletion Test	B	8 mL	L
<input type="checkbox"/> 8101	PKD1 DNA Sequencing and Deletion Evaluation	B	8 mL	L
<input type="checkbox"/> 8103	PKD1 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 8106	PKD2 Deletion Test	B	8 mL	L
<input type="checkbox"/> 8102	PKD2 DNA Sequencing and Deletion Evaluation	B	8 mL	L
<input type="checkbox"/> 8104	PKD2 DNA Sequencing Test	B	8 mL	L
Other Cystic Diseases				
<input type="checkbox"/> 556	Complete Tuberos Sclerosis Evaluation (TSC1 Sequencing, TSC1 Deletion, TSC2 Sequencing, TSC2 Deletion)	B	8 mL	L
<input type="checkbox"/> 521	TSC1 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 508	TSC1 Deletion Test	B	8 mL	L
<input type="checkbox"/> 522	TSC2 DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 523	TSC Familial Mutation Evaluation Proband Accession # _____ Relationship _____	B	8 mL	L
<input type="checkbox"/> 524	TSC2 DNA Deletion Test	B	8 mL	L
<input type="checkbox"/> 770	Hereditary Interstitial Kidney Disease (UMOD) DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 836	TCF2 DNA Sequencing Test (Renal Cysts and Diabetes Syndrome (RCAD))	B	8 mL	L
Renal Cancer				
<input type="checkbox"/> 889	Pheochromocytoma Evaluation (RET, VHL, SDHB)	B	8 mL	L
<input type="checkbox"/> 813	MEN2 (RET) DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 818	MEN1 (MEN1) DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 888	SDHB DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 858	von Hippel-Lindau Syndrome (VHL) DNA Sequencing Test	B	8 mL	L
Renal Cysts and Diabetes				
<input type="checkbox"/> 776	HNF1B DNA Sequencing and Deletion Evaluation (RCAD)	B	8 mL	L
Rickets				
<input type="checkbox"/> 857	Hypophosphatemic Rickets Evaluation (PHEX, FGF23)	B	8 mL	L
<input type="checkbox"/> 855	PHEX (Hypophosphatemic Rickets) DNA Sequencing Test	B	8 mL	L
<input type="checkbox"/> 856	FGF23 (Hypophosphatemic Rickets) DNA Sequencing Test	B	8 mL	L

Specimen Requirements: 8 mL (6 mL minimum) whole blood collected in an EDTA (lavender-top) tube.

NOTE: Specimen tube(s) must be labeled with two of the following forms of identification: name, date of birth, last four digits of SS#, patient ID no. These same two forms of ID must also be indicated on the test requisition.

Test Code	Test Name	Genes Included
Adrenal Disorders		
<input type="checkbox"/> 816	Primary Adrenal Insufficiency Evaluation	ABCD1, NROB1, AIRE
<input type="checkbox"/> 812	Autoimmune Polyglandular Syndrome (AIRE) Evaluation	
<input type="checkbox"/> 815	ABCD1 (Adrenoleukodystrophy) DNA Sequencing Test	
<input type="checkbox"/> 814	NROB1 (Adrenal Hypoplasia Congenita) DNA Sequencing Test	
<input type="checkbox"/> 879	Congenital Adrenal Hyperplasia (CAH) Evaluation	
	CYP21A2 sequencing and deletion, CYP11B1 sequencing	
<input type="checkbox"/> 880	CYP21A2 (CAH) Evaluation	
	Required: Indication for Study (check one or more below):	
<input type="checkbox"/>	Family history of CAH	
<input type="checkbox"/>	Virilization (ambiguous genitalia)	
<input type="checkbox"/>	Salt Wasting	
<input type="checkbox"/>	Parent/sibling of CAH patient	
<input type="checkbox"/>	17-hydroxyprogesterone (17-OHP) elevated concentration in serum	
<input type="checkbox"/>	Other _____	
<input type="checkbox"/> 875	CYP11B1 (CAH) DNA Sequencing Test	
<input type="checkbox"/> 874	Lipoid CAH (STAR) DNA Sequencing Test	
<input type="checkbox"/> 877	CYP17A1 DNA Sequencing Test	
<input type="checkbox"/> 878	HSD3B2 DNA Sequencing Test	
<input type="checkbox"/> 881	Endocrine Hypertension (HSD11B2) Evaluation	
Bone Diseases		
<input type="checkbox"/> 860	Osteogenesis Imperfecta Evaluation	COL1A1, COL1A2
<input type="checkbox"/> 861	COL1A1 (OI) DNA Sequencing Test	
<input type="checkbox"/> 862	COL1A2 (OI) DNA Sequencing Test	
<input type="checkbox"/> 811	LRP5 (OPPG) DNA Sequencing Test	
<input type="checkbox"/> 821	LRP5 Idiopathic Osteoporosis (IOP) DNA Sequencing Test	
<input type="checkbox"/> 857	Hypophosphatemic Rickets Evaluation	PHEX, FGF23
<input type="checkbox"/> 855	PHEX (Hypophosphatemic Rickets) DNA Sequencing Test	
<input type="checkbox"/> 856	FGF23 (Hypophosphatemic Rickets) DNA Sequencing Test	
Congenital Hyperinsulinism		
<input type="checkbox"/> 819	Congenital Hyperinsulinism Evaluation	
	GLUD1, GCK, KCNJ11, ABCC8	
	Indication for Study (check one or more below):	
<input type="checkbox"/>	Diazoxide Responsive	
<input type="checkbox"/>	Diazoxide Non-Responsive	
<input type="checkbox"/>	Hypoglycemic	
<input type="checkbox"/>	Large for Gestational Age (LGA)	
<input type="checkbox"/>	Other (describe) _____	
<input type="checkbox"/> 822	GLUD1 (CHI) DNA Sequencing Test	
<input type="checkbox"/> 823	GCK (CHI) DNA Sequencing Test	
<input type="checkbox"/> 826	KCNJ11 (CHI) DNA Sequencing Test	
<input type="checkbox"/> 827	ABCC8 (CHI) DNA Sequencing Test	
<input type="checkbox"/> 42	CH Parental Testing - To augment child/proband diagnosis	
	For expedited diagnosis of proband, send parental testing samples as soon as possible and provide information below.	
<input type="checkbox"/>	Mother <input type="checkbox"/> Father	
	Proband Name/Accession # _____	

Test Code	Test Name	Genes Included
Diabetes		
<input type="checkbox"/> 8800	Monogenic Diabetes (MODY) Four-Gene Evaluation	HNFA1, GCK, HNF4A, HNF1B
<input type="checkbox"/> 8801	Monogenic Diabetes (MODY) Three-Gene Evaluation	HNFA1, GCK, HNF1B
<input type="checkbox"/> 8802	Monogenic Diabetes (MODY) Two-Gene Evaluation	HNFA1, GCK
<input type="checkbox"/> 885	Monogenic Diabetes (MODY) Five-Gene Evaluation	HNFA1, GCK, HNF4A, HNF1B, IPF1
<input type="checkbox"/> 802	HNF4A (MODY1) DNA Sequencing and Deletion Test	
<input type="checkbox"/> 803	GCK (MODY2) DNA Sequencing and Deletion Test	
<input type="checkbox"/> 804	TCF1 (MODY3) DNA Sequencing and Deletion Test	
<input type="checkbox"/> 834	IPF1 (MODY4) DNA Sequencing Test	
<input type="checkbox"/> 805	TCF2 (MODY5) DNA Sequencing and Deletion Test	
<input type="checkbox"/> 837	CEL (MODY8) Mutation Analysis	
<input type="checkbox"/> 882	Neonatal Diabetes Mellitus Evaluation	IPF1, GCK, KCNJ11, INS, ABCC8
<input type="checkbox"/> 841	IPF1 (NDM) DNA Sequencing Test	
<input type="checkbox"/> 842	GCK (NDM) DNA Sequencing Test	
<input type="checkbox"/> 843	KCNJ11 (NDM) DNA Sequencing Test	
<input type="checkbox"/> 853	INS (NDM) DNA Sequencing Test	
<input type="checkbox"/> 876	ABCC8 (NDM) DNA Sequencing Test	
Nephrogenic Diabetes		
<input type="checkbox"/> 854	Nephrogenic Diabetes Insipidus Evaluation	AVPR2, AQP2
<input type="checkbox"/> 851	Nephrogenic Diabetes Insipidus (AVPR2) DNA Sequencing Test	
<input type="checkbox"/> 852	AQP2 (Nephrogenic Diabetes Insipidus) DNA Sequencing Test	
Familial Cancer Syndromes		
<input type="checkbox"/> 818	MEN1 DNA Sequencing Test	
<input type="checkbox"/> 889	Pheochromocytoma Evaluation	RET, VHL, SDHB
<input type="checkbox"/> 813	MEN2 (RET) DNA Sequencing Test	
<input type="checkbox"/> 858	von Hippel-Lindau Syndrome (VHL) DNA Sequencing Test	
<input type="checkbox"/> 888	SDHB DNA Sequencing Test	
Familial Hypocalciuric Hypercalcemia		
<input type="checkbox"/> 829	Familial Hypocalciuric Hypercalcemia (CASR) DNA Sequencing Test	
Familial Testing - Targeted Analysis		
<input type="checkbox"/> 185	Familial DNA Sequence Evaluation	
	This test detects previously identified sequence variants in at-risk family members. This test is available for HNF4A, GCK, TCF1, IPF1, TCF2, COL1A1, COL1A2, MEN1, and RET mutations	
	Proband Accession # _____	Relationship _____
Noonan Syndrome		
<input type="checkbox"/> 846	Noonan Syndrome (PTPN11) DNA Sequencing Test	
<input type="checkbox"/> 658	KRAS/RAF1/SOS1 DNA Sequencing Evaluation	SOS1, RAF1, KRAS
<input type="checkbox"/> 662	SOS1 DNA Sequencing Test	
<input type="checkbox"/> 663	RAF1 DNA Sequencing Test	
<input type="checkbox"/> 664	KRAS DNA Sequencing Test	
Obesity		
<input type="checkbox"/> 884	Early Onset Obesity Evaluation	LEPR, MC4R
<input type="checkbox"/> 883	Early Onset Obesity (LEPR) DNA Sequencing Test	
<input type="checkbox"/> 640	Early Onset Obesity (MC4R) DNA Sequencing Test	
<input type="checkbox"/> 887	Bardet-Biedl Syndrome Evaluation	BBS1, BBS2, BBS10
<input type="checkbox"/> 871	BBS1 (BBS) DNA Sequencing Test	
<input type="checkbox"/> 872	BBS2 (BBS) DNA Sequencing Test	
<input type="checkbox"/> 886	BBS10 (BBS) DNA Sequencing Test	

Test Code	Test Name	Genes Included
Reproductive Disorders		
<input type="checkbox"/> 817	Male Precocious Puberty (LHCGR) DNA Sequencing Test	
<input type="checkbox"/> 462	Anosmic Kallmann/IHH Evaluation	KAL1, PROK2, PROKR2, FGF8, FGFR1, GnRHR, KISS1R
<input type="checkbox"/> 173	KAL1 DNA Sequencing Test	
<input type="checkbox"/> 175	PROK2 DNA Sequencing Test	
<input type="checkbox"/> 180	PROKR2 DNA Sequencing Test	
<input type="checkbox"/> 195	FGF8 DNA Sequencing Test	
<input type="checkbox"/> 196	FGFR1 DNA Sequencing Test	
<input type="checkbox"/> 279	GnRHR DNA Sequencing Test	
<input type="checkbox"/> 343	GnRH1 DNA Sequencing Test	
<input type="checkbox"/> 358	TACR3 DNA Sequencing Test	
<input type="checkbox"/> 364	KISS1R DNA Sequencing Test	
<input type="checkbox"/> 461	CHD7 DNA Sequencing Test	
<input type="checkbox"/> 679	Complete Kallmann/IHH Evaluation	CHD7, KAL1, PROK2, PROKR2, FGF8, FGFR1, GnRHR, GnRH1, KISS1R, TACR3
<input type="checkbox"/> 667	Normosmic Kallmann/IHH Evaluation	PROK2, PROKR2, FGF8, FGFR1, GnRHR, GnRH1, TACR3, KISS1R

Test Code	Test Name	Genes Included
Short Stature		
<input type="checkbox"/> 865	Combined Pituitary Hormone Deficiency Evaluation	PROP1, POU1F1
<input type="checkbox"/> 863	PROP1 (CPHD) DNA Sequencing Test	
<input type="checkbox"/> 864	POU1F1 (CPHD) DNA Sequencing Test	
<input type="checkbox"/> 848	Growth Hormone Deficiency Evaluation	GH1 and GHRHR Seq.; SHOX Seq. and Del.
<input type="checkbox"/> 866	GH1 (GHD) DNA Sequencing Test	
<input type="checkbox"/> 868	GHRHR (GHD) DNA Sequencing Test	
<input type="checkbox"/> 847	SHOX (GHD) DNA Sequencing and Deletion Test	
<input type="checkbox"/> 867	GHR DNA Sequencing Test	

Specimen Requirements: 8 mL (6 mL minimum) whole blood collected in an EDTA (lavender-top) tube.

NOTE: Specimen tube(s) must be labeled with two of the following forms of identification: name, date of birth, last four digits of SS#, patient ID no. These same two forms of ID must also be indicated on the test requisition.

Athena Diagnostics Client Service Representatives are available from 8:30am to 9:00pm Eastern Time (U.S.).

Customers in the U.S. and Canada please call toll-free

800-394-4493

(Non-U.S. customers please call 508-756-2886 or fax 610-271-6085)



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