

# Complete Test List

07012023FULLTESTLIST.58

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**WE GLADLY ACCEPT DELIVERIES MONDAY-SATURDAY, EXCLUDING HOLIDAYS**

**CPT codes provided here are for reference purpose only. They are not an assurance of approval nor reimbursement.**

Test Code	Test Description	CPT Codes
<b>WHOLE GENOME SEQUENCING</b>		
WGS001	MNGenome <sup>®</sup> TRIO Sequencing	81425, 81426 x2
WGS002	MNGenome <sup>®</sup> Additional Comparator (only available when trio is ordered)	81426
WGS003	MNGenome <sup>®</sup> Proband Only Sequencing	81425
WGS008	MNGenome <sup>®</sup> DUO Sequencing	81425, 81426
<b>WHOLE EXOME SEQUENCING</b>		
WES001	MNG Exome TRIO Sequencing + mtDNA	81415, 81416 x2, 81460, 81465
WES002	MNG Exome Additional Comparator (only available when trio is ordered)	81416
WES003	MNG Exome Proband Only Sequencing + mtDNA	81415, 81460, 81465
WES008	MNG Exome DUO Sequencing + mtDNA	81415, 81416, 81460, 81465
WES011	MNG Exome TRIO Sequencing	81415, 81416 x2
WES013	MNG Exome Proband Only Sequencing	81415
WES018	MNG Exome DUO Sequencing	81415, 81416
<b>MNG STAT SERVICES (10-14 DAY TAT)</b>		
WES001X	MNG STAT Exome <sup>™</sup> TRIO Sequencing + mtDNA	81415, 81416 x2, 81460, 81465
WES003X	MNG STAT Exome <sup>™</sup> Proband Only Sequencing + mtDNA	81415, 81460, 81465
WES008X	MNG STAT Exome <sup>™</sup> DUO Sequencing + mtDNA	81415, 81416, 81460, 81465
WES013X	MNG STAT Exome <sup>™</sup> Proband Only Sequencing	81415
WES011X	MNG STAT Exome <sup>™</sup> TRIO Sequencing	81415, 81416 x2
WES018X	MNG STAT Exome <sup>™</sup> DUO Sequencing	81415, 81416
WGS001X	MNGenome STAT <sup>™</sup> TRIO Sequencing	81425, 81426 x2
WGS003X	MNGenome STAT <sup>™</sup> Proband Only Sequencing	81425
WGS008X	MNGenome STAT <sup>™</sup> DUO Sequencing	81425, 81426
<b>RNA SEQUENCING</b>		
RNA001	MNG Transcriptome	81479
RNA002	Panel-Specific RNA Sequencing	81479
RNA003	Gene-Specific RNA Sequencing Targeted Analysis	81479
<b>ENZYMOLGY</b>		
ENZ01	Aromatic L-amino Acid Decarboxylase Enzyme Analysis (Plasma)	82542
ENZ06	Thymidine Phosphorylase Enzyme Analysis (Blood)	82657
<b>METABOLIC ANALYSES</b>		
MET01	Amino Acids (CSF)	82139
MET02	Amino Acids (Plasma)	82139
MET03	Amino Acids (Urine)	82139
MET04	Coenzyme Q10 (Leukocytes)	82542
MET05	Coenzyme Q10 (Muscle)	82542
MET07	Lactate (CSF)	83605
MET08	Lactate (plasma)	83605
MET10	Pyruvate (Blood)	84210
MET11	Pyruvate (CSF)	84210
MET12	Thymidine/Deoxyuridine Analytes (Plasma)	82542
MET19	Creatine and Guanidinoacetate (Urine)	82017
MET20	Alpha Amino adipic Semialdehyde (Urine)	82542
MET23	Creatine and Guanidinoacetate (Plasma)	82017
MET24	Glucose (Plasma)	82947

MET29	3-O-Methyldopa (Plasma)	82131
	<b>GENE SEQUENCING (SANGER), DELETION/DUPLICATION (MLPA), POINT MUTATIONS - INDIVIDUAL GENES &amp; PANELS</b>	
MOL001	Mitochondrial DNA Depletion Testing (Muscle)	81479
MOL002	Mitochondrial DNA Deletion Analysis	81465
MOL021	Mitochondrial Genome Sequencing	81460
MOL025	DDC Full Gene Sequencing Analysis	81479
MOL026	ABCB7 Full Gene Sequencing Analysis	81479
MOL027	ACADM Full Gene Sequencing Analysis	81479
MOL028	ACADS Full Gene Sequencing Analysis	81405
MOL029	ACADVL Full Gene Sequencing Analysis	81406
MOL030	ALDH7A1 Full Gene Sequencing Analysis	81406
MOL031	SLC25A4 Full Gene Sequencing Analysis	81404
MOL032	ATP1A2 Full Gene Sequencing Analysis	81406
MOL033	CACNA1A Full Gene Sequencing Analysis	81185
MOL034	CAPN3 Full Gene Sequencing Analysis	81406
MOL035	CAV3 Full Gene Sequencing Analysis	81404
MOL036	NDUFS1 Full Gene Sequencing Analysis	81406
MOL037	NDUFS4 Full Gene Sequencing Analysis	81404
MOL038	NDUFS7 Full Gene Sequencing Analysis	81405
MOL039	NDUFS8 Full Gene Sequencing Analysis	81405
MOL040	NDUFV1 Full Gene Sequencing Analysis	81405
MOL041	SDHA Full Gene Sequencing Analysis	81406
MOL042	SDHB Full Gene Sequencing Analysis	81405
MOL043	SDHC Full Gene Sequencing Analysis	81405
MOL044	SDHD Full Gene Sequencing Analysis	81404
MOL045	BCS1L Full Gene Sequencing Analysis	81405
MOL046	COQ2 Full Gene Sequencing Analysis	81479
MOL047	COX10 Full Gene Sequencing Analysis	81405
MOL048	COX15 Full Gene Sequencing Analysis	81405
MOL049	CPT1A Full Gene Sequencing Analysis	81406
MOL050	CPT2 Full Gene Sequencing Analysis	81404
MOL051	DGUOK Full Gene Sequencing Analysis	81405
MOL052	DYSF Full Gene Sequencing Analysis	81408
MOL053	TYMP Full Gene Sequencing Analysis	81405
MOL054	EIF2B1 Full Gene Sequencing Analysis	81479
MOL055	EIF2B2 Full Gene Sequencing Analysis	81405
MOL056	EIF2B3 Full Gene Sequencing Analysis	81406
MOL057	EIF2B4 Full Gene Sequencing Analysis	81406
MOL058	EIF2B5 Full Gene Sequencing Analysis	81406
MOL059	FXN Full Gene Sequencing Analysis	81286
MOL060	GCH1 Full Gene Sequencing Analysis	81405
MOL061	GYS2 Full Gene Sequencing Analysis	81479
MOL062	HADHA Full Gene Sequencing Analysis	81406
MOL063	HADHB Full Gene Sequencing Analysis	81406
MOL064	KCNA1 Full Gene Sequencing Analysis	81479
MOL065	LAMA2 Full Gene Sequencing and Copy Number Analysis	81408
MOL066	LMNA Full Gene Sequencing Analysis	81406
MOL067	MECP2 Full Gene Sequencing Analysis	81302
MOL068	MPV17 Full Gene Sequencing Analysis	81405
MOL069	OPA1 Full Gene Sequencing Analysis	81407
MOL070	PDHA1 Full Gene Sequencing Analysis	81406
MOL071	PDSS1 Full Gene Sequencing Analysis	81479
MOL072	PDSS2 Full Gene Sequencing Analysis	81479
MOL073	C10ORF2 Full Gene Sequencing Analysis	81404
MOL074	PNPO Full Gene Sequencing Analysis	81479
MOL075	POLG Full Gene Sequencing and Copy Number Analysis	81406
MOL076	PYGM Full Gene Sequencing Analysis	81406
MOL077	RRM2B Full Gene Sequencing Analysis	81405
MOL078	SGCA Full Gene Sequencing Analysis	81405
MOL079	SGCB Full Gene Sequencing Analysis	81405

MOL080	SGCD Full Gene Sequencing Analysis	81405
MOL081	SGCG Full Gene Sequencing Analysis	81405
MOL082	SCO1 Full Gene Sequencing Analysis	81405
MOL083	SCO2 Full Gene Sequencing Analysis	81404
MOL085	SLC25A20 Full Gene Sequencing Analysis	81405
MOL086	HSPD1 Full Gene Sequencing Analysis	81479
MOL087	SPG7 Full Gene Sequencing Analysis	81406
MOL088	SUCLA2 Full Gene Sequencing Analysis	81479
MOL089	SUCLG1 Full Gene Sequencing Analysis	81479
MOL090	SURF1 Full Gene Sequencing Analysis	81405
MOL091	TH Full Gene Sequencing Analysis	81406
MOL092	TPH2 Full Gene Sequencing Analysis	81479
MOL093	UBE3A Full Gene Sequencing Analysis	81406
MOL094	DARS2 Full Gene Sequencing Analysis	81479
MOL095	SLC18A2 Full Gene Sequencing Analysis	81479
MOL096	PTS Full Gene Sequencing Analysis	81479
MOL097	SLC6A3 Full Gene Sequencing Analysis	81479
MOL098	TIMM8A Full Gene Sequencing Analysis	81479
MOL099	MRPS16 Full Gene Sequencing Analysis	81479
MOL100	UQCRB Full Gene Sequencing Analysis	81479
MOL101	NDUFAF2 Full Gene Sequencing Analysis	81404
MOL102	NDUFA1 Full Gene Sequencing Analysis	81404
MOL103	NDUFS2 Full Gene Sequencing Analysis	81479
MOL104	NDUFS3 Full Gene Sequencing Analysis	81479
MOL105	NDUFV2 Full Gene Sequencing Analysis	81479
MOL106	NDUFAF1 Full Gene Sequencing Analysis	81479
MOL107	PUS1 Full Gene Sequencing Analysis	81479
MOL108	TUFM Full Gene Sequencing Analysis	81479
MOL109	POLG2 Full Gene Sequencing Analysis	81479
MOL110	APTX Full Gene Sequencing Analysis	81405
MOL111	TAZ Full Gene Sequencing Analysis	81406
MOL112	ATPAF2 Full Gene Sequencing Analysis	81479
MOL113	GFM1 Full Gene Sequencing Analysis	81479
MOL114	MFN2 Full Gene Sequencing Analysis	81406
MOL115	LRPPRC Full Gene Sequencing Analysis	81479
MOL116	GLRA1 Full Gene Sequencing Analysis	81479
MOL117	QDPR Full Gene Sequencing Analysis	81479
MOL118	RNASEH2B Full Gene Sequencing Analysis	81479
MOL119	TREX1 Full Gene Sequencing Analysis	81479
MOL120	GLRB Full Gene Sequencing Analysis	81479
MOL121	SLC2A1 Full Gene Sequencing Analysis	81405
MOL122	GFAP Full Gene Sequencing Analysis	81405
MOL124	RNASEH2A Full Gene Sequencing Analysis	81479
MOL125	ALDH5A1 Full Gene Sequencing Analysis	81479
MOL126	SPR Full Gene Sequencing Analysis	81479
MOL127	SLC6A5 Full Gene Sequencing Analysis	81479
MOL128	COQ3 Full Gene Sequencing Analysis	81479
MOL129	COQ4 Full Gene Sequencing Analysis	81479
MOL131	COQ6 Full Gene Sequencing Analysis	81479
MOL132	COQ7 Full Gene Sequencing Analysis	81479
MOL133	COQ9 Full Gene Sequencing Analysis	81479
MOL137	TPM3 Full Gene Sequencing Analysis	81479
MOL138	ZMPSTE24 Full Gene Sequencing Analysis	81479
MOL139	MTM1 Full Gene Sequencing Analysis	81406
MOL140	ADCK3 Full Gene Sequencing Analysis	81479
MOL141	DBH Full Gene Sequencing Analysis	81479
MOL142	ETFDH Full Gene Sequencing Analysis	81479
MOL143	POMT2 Full Gene Sequencing Analysis	81406
MOL144	MYOT Full Gene Sequencing Analysis	81405

MOL145	EMD Full Gene Sequencing Analysis	81405
MOL146	HCCS Full Gene Sequencing Analysis	81479
MOL147	BRAF Full Gene Sequencing Analysis	81406
MOL148	TCAP Full Gene Sequencing Analysis	81479
MOL149	FKRP Full Gene Sequencing Analysis	81404
MOL150	FKTN Full Gene Sequencing Analysis	81405
MOL151	NDUFAF5 Full Gene Sequencing Analysis	81479
MOL152	RARS2 Full Gene Sequencing Analysis	81479
MOL153	POMT1 Full Gene Sequencing Analysis	81406
MOL154	RYR1 Full Gene Sequencing and Copy Number Analysis	81408, 81479
MOL155	GFER Full Gene Sequencing Analysis	81479
MOL156	TMEM126A Full Gene Sequencing Analysis	81479
MOL157	NDUFS6 Full Gene Sequencing Analysis	81479
MOL158	NDUFAF3 Full Gene Sequencing Analysis	81479
MOL159	TNNI2 Full Gene Sequencing Analysis	81479
MOL160	NDUFA2 Full Gene Sequencing Analysis	81479
MOL161	NDUFA11 Full Gene Sequencing Analysis	81479
MOL162	NDUFAF4 Full Gene Sequencing Analysis	81479
MOL163	ETFA Full Gene Sequencing Analysis	81479
MOL164	ETFB Full Gene Sequencing Analysis	81479
MOL165	FASTKD2 Full Gene Sequencing Analysis	81406
MOL166	FOLR1 Full Gene Sequencing Analysis	81479
MOL167	GARS Full Gene Sequencing Analysis	81406
MOL168	RNASEH2C Full Gene Sequencing Analysis	81479
MOL169	SLC25A19 Full Gene Sequencing Analysis	81479
MOL170	SLC17A5 Full Gene Sequencing Analysis	81479
MOL171	MTHFR Full Gene Sequencing Analysis	81479
MOL172	SAMHD1 Full Gene Sequencing Analysis	81479
MOL173	TMEM70 Full Gene Sequencing Analysis	81479
MOL174	UQCQRQ Full Gene Sequencing Analysis	81479
MOL182	COX6B1 Full Gene Sequencing Analysis	81404
MOL183	AIFM1 Full Gene Sequencing Analysis	81479
MOL184	PHOX2B Full Gene Sequencing Analysis	81404
MOL185	AMPD1 Full Gene Sequencing Analysis	81479
MOL186	SLC2A1 MLPA Duplication/Deletion Analysis	81479
MOL187	MECP2 MLPA Duplication/Deletion Analysis	81304
MOL189	Mitochondrial Genome Sequencing + Deletion Analysis	81460, 81465
MOL208	CACNA1A Copy Number Analysis	81479
MOL209	ADSL Full Gene Sequencing Analysis	81479
MOL210	FOXRED1 Full Gene Sequencing Analysis	81479
MOL211	NUBPL Full Gene Sequencing Analysis	81479
MOL212	GLDC Full Gene Sequencing Analysis	81479
MOL213	GCDH Full Gene Sequencing	81406
MOL214	ATP1A2 MLPA Duplication/Deletion Analysis	81479
MOL215	GCH1 MLPA Duplication/Deletion Analysis	81479
MOL216	KCNQ2 MLPA Duplication/Deletion Analysis	81479
MOL217	PDHA1 MLPA Duplication/Deletion Analysis	81405
MOL218	SCN1A MLPA Duplication/Deletion Analysis	81479
MOL219	GLDC MLPA Duplication/Deletion Analysis	81479
MOL222	PDHB Full Gene Sequencing Analysis	81405
MOL223	PDP1 Full Gene Sequencing Analysis	81479
MOL224	DLAT Full Gene Sequencing Analysis	81406
MOL225	DLD Full Gene Sequencing Analysis	81406
MOL226	PC Full Gene Sequencing Analysis	81406
MOL227	CACNB4 Full Gene Sequencing Analysis	81479
MOL228	SLC1A3 Full Gene Sequencing Analysis	81479
MOL229	KCNQ2 Full Gene Sequencing Analysis	81406
MOL231	SLC2A1 Full Gene Sequencing + MLPA Duplication/Deletion Analysis	81405, 81479
MOL232	Mitochondrial Genome Sequencing + Deletion Analysis + Depletion Testing (Leukocyte)	81460, 81465, 81479
MOL233	SLC12A3 Full Gene Sequencing Analysis	81407

MOL234	GCH1 Full Gene Sequencing + MLPA Duplication/Deletion Analysis	81405, 81479
MOL235	PDHA1 Full Gene Sequencing + MLPA Duplication/Deletion Analysis	81406, 81405
MOL236	GLDC Full Gene Sequencing + MLPA Duplication/Deletion Analysis	81479
MOL237	DHFR Full Gene Sequencing Analysis	81479
MOL238	FOXP2 Full Gene Sequencing Analysis	81479
MOL239	CAPN3 MLPA Duplication/Deletion Analysis	81479
MOL240	CAPN3 Full Gene Sequencing Analysis + MLPA Duplication/Deletion Analysis	81406, 81479
MOL241	TACO1 Full Gene Sequencing Analysis	81404
MOL242	ACAD8 Full Gene Sequencing Analysis	81479
MOL243	ACAD9 Full Gene Sequencing Analysis	81479
MOL244	SLC12A3 MLPA Duplication/Deletion Analysis	81479
MOL245	SLC12A3 Full Gene Sequencing Analysis + MLPA Duplication/Deletion Analysis	81407, 81479
MOL246	SLC6A8 Full Gene Sequencing Analysis	81479
MOL247	SGCE Full Gene Sequencing Analysis	81406
MOL248	SCN1A Full Gene Sequencing and Copy Number Analysis	81407, 81479
MOL249	Known Familial Variant (KFV) Analysis (each mutation)	81403, 81479
MOL250	MPZ Full Gene Sequencing Analysis	81405
MOL251	GPHN Full Gene Sequencing Analysis	81479
MOL252	SLC6A4 Full Gene Sequencing Analysis	81479
MOL253	PGAM2 Full Gene Sequencing Analysis	81479
MOL254	CHKB Full Gene Sequencing Analysis	81479
MOL255	SCN1B Full Gene Sequencing Analysis	81404
MOL256	SPAST Full Gene Sequencing Analysis	81406
MOL257	MECP2 Full Gene Sequencing Analysis + MLPA Duplication/Deletion Analysis	81302, 81304
MOL258	SCN9A Full Gene Sequencing and Copy Number Analysis	81479
MOL259	Friedreich Ataxia Genetic Testing (Repeat Expansion)	81284
MOL260	ACADVL MLPA Duplication/Deletion Analysis	81479
MOL261	ACADVL Full Gene Sequencing Analysis + MLPA Duplication/Deletion Analysis	81406, 81479
MOL262	SLC22A5 MLPA Duplication/Deletion Analysis	81479
MOL264	SPAST MLPA Duplication/Deletion Analysis	81405
MOL265	SPAST Full Gene Sequencing Analysis + MLPA Duplication/Deletion Analysis	81406, 81405
MOL266	ATL1/SPG3 MLPA Duplication/Deletion Analysis	81479
MOL267	ATL1/SPG3 Full Gene Sequencing Analysis + MLPA Duplication/Deletion Analysis	81406, 81479
MOL268	CLCNKA Full Gene Sequencing Analysis	81479
MOL270	KCNJ1 Full Gene Sequencing Analysis	81404
MOL271	BSND Full Gene Sequencing Analysis	81479
MOL272	PFKM Full Gene Sequencing Analysis	81479
MOL274	PDXK Full Gene Sequencing Analysis	81479
MOL276	PMP22 MLPA Duplication/Deletion Analysis	81324
MOL277	GJB1 (CX32) MLPA Duplication/Deletion Analysis	81479
MOL278	MPZ MLPA Duplication/Deletion Analysis	81479
MOL281	DOK7 Full Gene Sequencing Analysis	81479
MOL282	SGCE MLPA Duplication/Deletion Analysis	81405
MOL283	SGCE Full Gene Sequencing Analysis + MLPA Duplication/Deletion Analysis	81406, 81405
MOL286	CLCNKB MLPA Duplication/Deletion Analysis	81479
MOL287	CLCNKB Full Gene Sequencing Analysis + MLPA Duplication/Deletion Analysis	81406
MOL289	MTM1 MLPA Duplication/Deletion Analysis	81405
MOL290	MTM1 Full Gene Sequencing Analysis + MLPA Duplication/Deletion Analysis	81406, 81405
MOL291	OPA1 MLPA Duplication/Deletion Analysis	81406
MOL292	OPA1 Full Gene Sequencing Analysis + MLPA Duplication/Deletion Analysis	81407, 81406
MOL293	MFN2 MLPA Duplication/Deletion Analysis	81479
MOL294	POLG MLPA Duplication/Deletion Analysis	81479
MOL295	ATP5E Full Gene Sequencing Analysis	81479
MOL299	Myotonic Dystrophy 1 (DMPK) Genetic Testing (Repeat Expansion)	81234
MOL301	Spinal Muscular Atrophy (SMN1/SMN2) MLPA Duplication/Deletion Analysis	81329
MOL302	Dystrophin MLPA Duplication/Deletion Analysis	81161
MOL303	Myotonic Dystrophy 2 (ZNF9/CNBP) Genetic Testing (Repeat Expansion)	81187
MOL305	TK2 Full Gene Sequencing Analysis	81405
MOL306	ARHGEF9 Full Gene Sequencing Analysis	81479
MOL307	CACNA1S Full Gene Sequencing Analysis	81479

MOL308	GLUL Full Gene Sequencing Analysis	81479
MOL309	ADAR Full Gene Sequencing Analysis	81479
MOL313	C10ORF2 MLPA Duplication/Deletion Analysis	81479
MOL314	FKRP MLPA Duplication/Deletion Analysis	81479
MOL315	GARS MLPA Duplication/Deletion Analysis	81479
MOL316	HSPB1 MLPA Duplication/Deletion Analysis	81404
MOL317	LAMA2 MLPA Duplication/Deletion Analysis	81479
MOL318	MPV17 MLPA Duplication/Deletion Analysis	81404
MOL319	NEFL MLPA Duplication/Deletion Analysis	81405
MOL320	PRX MLPA Duplication/Deletion Analysis	81405
MOL321	RAB7A MLPA Duplication/Deletion Analysis	81405
MOL322	RRM2B MLPA Duplication/Deletion Analysis	81479
MOL324	SGCA MLPA Duplication/Deletion Analysis	81479
MOL325	SGCB MLPA Duplication/Deletion Analysis	81479
MOL326	SGCD MLPA Duplication/Deletion Analysis	81479
MOL327	SGCG MLPA Duplication/Deletion Analysis	81404
MOL328	SLC25A4 MLPA Duplication/Deletion Analysis	81479
MOL329	TK2 MLPA Duplication/Deletion Analysis	81479
MOL330	KCNQ2 Full Gene Sequencing + MLPA Duplication/Deletion Analysis	81406, 81479
MOL331	SPTLC1 Full Gene Sequencing Analysis	81479
MOL332	GJB1 (CX32) Full Gene Sequencing Analysis	81403
MOL333	GJB1 (CX32) Full Gene Sequencing + MLPA Duplication/Deletion Analysis	81403, 81479
MOL334	Mitochondrial DNA Depletion Testing (Leukocyte)	81479
MOL335	LITAF Full Gene Sequencing Analysis	81404
MOL336	SEPT9 Full Gene Sequencing and Copy Number Analysis	81479
MOL339	DARS Full Gene Sequencing Analysis	81479
MOL340	Mitochondrial Genome Sequencing + Deletion Analysis + Depletion Testing (Muscle)	81460, 81465, 81479
MOL341	GNE Full Gene Sequencing Analysis	81406
MOL342	DPYS Full Gene Sequencing Analysis	81479
MOL343	SPG11 MLPA Duplication/Deletion Analysis	81407
MOL344	PMP22 Full Gene Sequencing Analysis	81325
MOL345	PMP22 Full Gene Sequencing + MLPA Duplication/Deletion Analysis	81325, 81324
MOL346	SCN10A Full Gene Sequencing Analysis	81479
MOL347	SCN11A Full Gene Sequencing Analysis	81479
MOL348	SCN5A Full Gene Sequencing Analysis	81407
MOL349	PAH Full Gene Sequencing Analysis	81406
MOL350	PKD1/PKD2 MLPA Duplication/Deletion Analysis	81479
MOL351	GAMT Full Gene Sequencing Analysis	81479
MOL352	GATM Full Gene Sequencing Analysis	81479
MOL354	DEPDC5 Full Gene Sequencing Analysis	81479
MOL355	CLCN1 Full Gene Sequencing Analysis	81406
MOL356	SCN4A Full Gene Sequencing Analysis	81406
MOL360	PEX6 Full Gene Sequencing Analysis	81479
MOL362	TUBB4A Full Gene Sequencing Analysis	81479
MOL364	C9orf72 Repeat Expansion Analysis	81479
MOL366	Huntington Disease: HTT Repeat Expansion Analysis	81271
MOL367	PROSC Full Gene Sequencing Analysis	81479
MOL368	SCA1 (ATXN1) Genetic Testing (Repeat expansion)	81178
MOL369	SCA2 (ATXN2) Genetic Testing (Repeat expansion)	81179
MOL370	SCA3 (ATXN3) Genetic Testing (Repeat expansion)	81180
MOL371	SCA6 (CACNA1A) Genetic Testing (Repeat expansion)	81184
MOL372	SCA7 (ATXN7) Genetic Testing (Repeat expansion)	81181
MOL373	SCA8 (ATXN8) Genetic Testing (Repeat expansion)	81182
MOL374	SCA10 (ATXN10) Genetic Testing (Repeat expansion)	81183
MOL375	SCA12 (PPP2R2B) Genetic Testing (Repeat expansion)	81343
MOL376	SCA17 (TBP) Genetic Testing (Repeat expansion)	81344
MOL377	SCA36 (NOP56) Genetic Testing (Repeat expansion)	81479
MOL378	DRPLA (ATN1) Genetic Testing (Repeat expansion)	81177
MOL379	Spinocerebellar Ataxia Repeat Panel (SCA 8, 10, 12, 17, 36, & DRPLA)	81182, 81183, 81343, 81344, 81479, 81177

<b>MOL380</b>	Comprehensive Spinocerebellar Ataxia Repeat Expansion Panel (SCA 1, 2, 3, 6, 7, 8, 10, 12, 17, 36, & DRPLA)	81187, 81179, 81180, 81184, 81181, 81182, 81183, 81343, 81344, 81479, 81177
<b>MOL388</b>	CYP21A2 (Congenital Adrenal Hyperplasia) Deletion/Duplication and Selected Variant Analysis	81402
<b>MOL389</b>	GBA (Gaucher Disease) Deletion/Duplication Analysis	81479
<b>MOL391</b>	Comprehensive Ataxia Repeat Expansion Panel (SCA 1, 2, 3, 6, 7, 8, 10, 12, 17, 36, DRPLA & FRDA)	81187, 81179, 81180, 81184, 81181, 81182, 81183, 81343, 81344, 81479, 81177, 81284
<b>MOL392</b>	Huntington-like Disease Type 2: JPH3 Repeat Expansion Analysis	81401
<b>NEUROCHEMISTRY ANALYSES</b>		
<b>NC01</b>	5-Methyltetrahydrofolate (CSF)	82542
<b>NC02</b>	Neopterin (CSF)	82542
<b>NC03</b>	Neopterin/Tetrahydrobiopterin (CSF)	82542
<b>NC04</b>	Neurotransmitter Metabolites (5HIAA, HVA, 3OMD) (CSF)	82542, 83497, 83150
<b>NC05</b>	Pyridoxal 5'-phosphate (CSF)	84207
<b>NC06</b>	Succinyladenosine (CSF)	82542
<b>NC07</b>	Sialic Acid (CSF)	84275
<b>NC08</b>	Alpha-aminoacidipic Semialdehyde (CSF)	84275
<b>NC10</b>	Glucose (CSF)	82947
<b>NEXT GENERATION SEQUENCING (NGS) PANELS</b>		
<b>NGS197</b>	Coenzyme Q10 Deficiency (NGS Panel and Copy Number Analysis)	81479, 81405, 81406
<b>NGS198</b>	Comprehensive mtDNA Depletion Syndromes (NGS Panel and Copy Number Analysis)	81404 (x3), 81405 (x5), 81406 (x3), 81407, 81479
<b>NGS301</b>	Comprehensive Cellular Energetics Defects (NGS Panel and Copy Number Analysis + mtDNA)	81440, 81460, 81465
<b>NGS302</b>	Carbohydrate Metabolism Deficiency (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81249, 81407, 81405 (x3), 81406 (x6), 81479
<b>NGS303</b>	Lipid Metabolism Deficiency (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81404 (x3), 81405 (x4), 81406 (x5), 81479
<b>NGS304</b>	Pyruvate Metabolism Disorders (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81404, 81405 (x2), 81406 (x6), 81479
<b>NGS305</b>	PDH/Tricarboxylic Acid Cycle (TCA) Defects (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81404, 81405 (x3), 81406 (x6), 81479
<b>NGS306</b>	Oxidative Phosphorylation (OXPHOS) Defects (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81286, 81403, 81404 (x12), 81405 (x18), 81406 (x11), 81407, 81408, 81479
<b>NGS307</b>	Ceroid Lipofuscinosis Disorders (NGS Panel and Copy Number Analysis)	81406, 81479
<b>NGS308</b>	Creatine Metabolism Deficiency (NGS Panel and Copy Number Analysis)	81479
<b>NGS309</b>	Cobalamin/Homocysteine/Methionine Metabolism Deficiency (NGS Panel and Copy Number Analysis)	81404, 81405 (x2), 81406 (x2), 81479
<b>NGS310</b>	GABA Metabolism Deficiency (NGS Panel and Copy Number Analysis)	81185, 81405, 81479
<b>NGS311</b>	Glutaric Acidemia Disorders (NGS Panel and Copy Number Analysis)	81406, 81479
<b>NGS312</b>	Ketone Body Metabolism Deficiency (NGS Panel and Copy Number Analysis)	81479
<b>NGS313</b>	Lysosomal Disease (NGS Panel and Copy Number Analysis)	81404 (x2), 81405 (x7), 81406 (x9), 81479
<b>NGS314</b>	Methylmalonic Acid Metabolism Deficiency (NGS Panel and Copy Number Analysis)	81404, 81405 (x2), 81406, 81479
<b>NGS315</b>	Neurotransmitter Metabolism Deficiency (NGS Panel and Copy Number Analysis)	81185, 81405 (x2), 81406 (x5), 81479
<b>NGS316</b>	Dopamine Metabolism Deficiency (NGS Panel and Copy Number Analysis)	81405, 81406, 81479
<b>NGS317</b>	Serotonin Metabolism Deficiency (NGS Panel and Copy Number Analysis)	81405, 81479
<b>NGS318</b>	Tetrahydrofolate Metabolism Deficiency (NGS Panel and Copy Number Analysis)	81479
<b>NGS319</b>	Fever Syndromes (NGS Panel and Copy Number Analysis)	81223, 81222, 81404 (x7), 81405 (x3), 81406 (x4), 81479
<b>NGS320</b>	Tyrosinemia (NGS Panel and Copy Number Analysis)	81406, 81479
<b>NGS321</b>	Urea Cycle Disorders (NGS Panel and Copy Number Analysis)	81405 (x4), 81406 (x4), 81479
<b>NGS323</b>	Amyotrophic Lateral Sclerosis (NGS Panel and Copy Number Analysis)	81325, 81324, 81403 (x1), 81404 (x1), 81405 (x2), 81406 (x5), 81407 (x1), 81479(x1)
<b>NGS324</b>	Ataxia/Episodic Ataxia Disorders (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81175, 81185, 81189, 81286, 81302, 81304, 81325, 81324, 81403, 81404 (x18), 81405 (x34), 81406 (x32), 81407 (x8), 81408 (x3), 81479 (x1)
<b>NGS325</b>	Comprehensive Intellectual Disability/Autism (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81175, 81216, 81167, 81185, 81189, 81236, 81302, 81304, 81307, 81321, 81323, 81403 (x6), 81404 (x31), 81405 (x62), 81406 (x74), 81407 (x18), 81408 (x7), 81479
<b>NGS327</b>	Congenital Glycosylation Disorders (NGS Panel and Copy Number Analysis)	81405, 81479
<b>NGS330</b>	Comprehensive Muscular Dystrophy/Myopathy (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81479, 81161, 81405 x6, 81406 x2, 81408 x3
<b>NGS331</b>	Congenital Myasthenic Syndromes (NGS Panel and Copy Number Analysis)	81406, 81407, 81479
<b>NGS332</b>	Hypokalemic and Hyperkalemic Periodic Paralysis Disorders (NGS Panel and Copy Number Analysis)	81403, 81406 (x2), 81407, 81479
<b>NGS333</b>	Malignant Hyperthermia (NGS Panel and Copy Number Analysis)	81479, 81408
<b>NGS335</b>	Neurofibromatosis (NGS Panel and Copy Number Analysis)	81321, 81323, 81404 (x3), 81405 (x6), 81406 (x6), 81408 (x2), 81479
<b>NGS337</b>	Spastic Paraplegia (NGS Panel and Copy Number Analysis + mtDNA)	81448, 81460, 81465
<b>NGS343</b>	Peroxisomal Disease (NGS Panel and Copy Number Analysis)	81405, 81479

NGS344	Aicardi-Goutieres Syndrome (NGS Panel and Copy Number Analysis)	81479
NGS345	Charcot-Marie-Tooth Disease (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81448
NGS346	Hereditary Sensory & Autonomic Neuropathy (NGS Panel and Copy Number Analysis)	81173, 81185, 81404 (x5), 81405 (x8), 81406 (x9), 81407 (x4), 81479
NGS347	Spinal Muscular Atrophy (NGS Panel and Copy Number Analysis)	81173, 81336, 81329, 81404, 81479
NGS348	Fetal Akinesia, Arthrogryposis, or Contractures (NGS Panel and Copy Number Analysis)	81329, 81336, 81403 (x3), 81404 (x9), 81405 (x11), 81406 (x10), 81407 (x4), 81408 (x3), 81479
NGS349	Nonsyndromic Intellectual Disability (NGS Panel and Copy Number Analysis)	81185, 81189, 81216, 81167, 81307, 81403, 81404 (x7), 81405 (x19), 81406 (x24), 81407, 81408, 81479
NGS350	Syndromic Intellectual Disability (NGS Panel and Copy Number Analysis)	81175, 81236, 81302, 81304, 81321, 81323, 81403 (x5), 81404 (x26), 81405 (x48), 81406 (x55), 81407 (x18), 81408 (x7), 81479
NGS351	Leigh Disease (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81403, 81404 (x8), 81405 (x10), 81406 (x12), 81479
NGS352	Comprehensive Ophthalmoplegia Syndromes (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81404 (x3), 81405 (x6), 81406 (x5), 81407, 81408, 81479
NGS355	Cytochrome C Oxidase Deficiency (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81404(x5),81405 (x6), 81406 (x 2), 81479
NGS356	Alzheimer Disease/Frontotemporal Dementia (NGS Panel and Copy Number Analysis)	81404, 81405 (x2), 81406 (x6), 81479
NGS357	Parkinson's Disease/Parkinsonism (NGS Panel and Copy Number Analysis)	81302, 81304, 81321, 81323, 81404 (x3), 81405 (x6), 81406 (x9), 81407, 81408, 81479
NGS358	Comprehensive Dystonia (NGS Panel and Copy Number Analysis + mtDNA)	81185, 81302, 81304, 81321, 81323, 81403, 81404 (x11), 81405 (x20), 81406 (x24), 81408 (x2), 81460, 81465, 81479
NGS359	Primary Dystonia (NGS Panel and Copy Number Analysis)	81404 (x2), 81405 (x3), 81406 (x2), 81479
NGS360	Basal Ganglia Calcification Dystonia (NGS Panel and Copy Number Analysis)	81405 (x3), 81406, 81479
NGS361	OXPHOS Defect Dystonia (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81403, 81404 (x5), 81405 (x7), 81406 (x4), 81479
NGS362	Neurodegeneration with Brain Iron Accumulation (NGS Panel and Copy Number Analysis)	81479
NGS371	Congenital Central Hypoventilation Syndromes (NGS Panel and Copy Number Analysis)	81403, 81404, 81406, 81479(x1)
NGS372	Comprehensive Leukodystrophy/Leukoencephalopathy (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81175, 81321, 81323, 81404 (x9), 81405 (x14), 81406 (x10), 81408, 81479
NGS375	Vanishing White Matter, Dysmyelinating, and Hypomyelinating Leukodystrophy (NGS Panel and Copy Number Analysis)	81175, 81405, 81479
NGS376	Comprehensive Dementia (NGS Panel and Copy Number Analysis)	81321, 81323, 81351, 81403 (x2), 81404 (x6), 81405 (x7), 81406 (x13), 81479 (x1)
NGS377	Ehlers Danlos, Ehlers Danlos-like Syndromes, and Aneurysm Syndromes (NGS Panel and Copy Number Analysis)	81410, 81411
NGS379	Polycystic Kidney Disease (NGS Panel and Copy Number Analysis)	81404, 81405, 81406, 81407, 81479
NGS380	Amyloid Related Disorders (NGS Panel and Copy Number Analysis)	81404 (x2), 81406 (x2), 81479
NGS381	Mucopolysaccharidosis and Mucolipid Disorders (NGS Panel and Copy Number Analysis)	81405, 81406, 81479
NGS383	Comprehensive Metabolic Disease Hepatomegaly (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81403, 81404 (x4), 81405 (x8), 81406 (x13), 81479
NGS384	Carbohydrate Metabolism Hepatomegaly (NGS Panel and Copy Number Analysis)	81406 (x2), 81479
NGS386	Epileptic Encephalopathy (NGS Panel and Copy Number Analysis)	81185, 81302, 81304, 81403, 81404 (x5), 81405 (x6), 81406 (x17), 81407 (x2), 81479
NGS387	Comprehensive Neuronal Migration Disorders (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81292, 81294, 81295, 81297, 81298, 81300,81317, 81319, 81175, 81307, 81403, 81404 (x4), 81405 (x9), 81406 (x8), 81407 (x4), 81479
NGS388	Non-Mitochondrial Neuronal Migration Disorders (NGS Panel and Copy Number Analysis)	81175, 81292, 81294, 81295, 81297, 81298, 81300, 81317, 81319, 81403, 81404 (x3), 81405 (x6), 81406 (x6), 81407 (x3), 81479
NGS389	Mitochondrial Neuronal Migration Disorders (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81403, 81404 (x2), 81405, 81479
NGS392	Bartter/Gitelman Syndromes (NGS Panel and Copy Number Analysis)	81404 (x2), 81405 (x2), 81406, 81407 (x2), 81479
NGS393	Maple Syrup Urine Disease (NGS Panel and Copy Number Analysis)	81405 (x2), 81406 (x3), 81479
NGS394	Joubert Syndrome (NGS Panel and Copy Number Analysis)	81405, 81406, 81407 (x2), 81408, 81479
NGS395	Meckel Syndrome (NGS Panel and Copy Number Analysis)	81407, 81408, 81479
NGS396	Porphyria Disorders (NGS Panel and Copy Number Analysis)	81405, 81406 (x2), 81479
NGS398	Macrocephaly and Overgrowth Syndromes (NGS Panel and Copy Number Analysis)	81236, 81302, 81304, 81321, 81323, 81403, 81404 (x5), 81405 (x13), 81406 (x12), 81407 (x3), 81408, 81479
NGS400	Pain Syndromes (NGS Panel and Copy Number Analysis)	81404, 81405, 81408, 81479
NGS401	Stickler Syndrome (NGS Panel and Copy Number Analysis)	81479
NGS402	Usher Syndrome (NGS Panel and Copy Number Analysis)	81404 (x2), 81406, 81407 (x3), 81408 (x2), 81479
NGS405	Amyotrophic Lateral Sclerosis (NGS Panel and Copy Number Analysis +C9orf72 Repeat Expansion Analysis)	81325, 81324, 81403 (x1), 81404 (x1), 81405 (x2), 81406 (x5), 81407 (x1), 81479 (x1)
NGS406	Alzheimer Disease/Frontotemporal Dementia (NGS Panel and Copy Number Analysis + C9orf72 Repeat Expansion Analysis)	81404 (x1), 81405 (x2), 81406 (x6), 81479 (x1)
NGS407	Comprehensive Dementia (NGS Panel and Copy Number Analysis + C9orf72 Repeat Expansion Analysis)	81321, 81323, 81351, 81403 (x2), 81404 (x6), 81405 (x7), 81406 (x13), 81479 (x1)



NGS408	Ataxia/Episodic Ataxia Disorders (NGS Panel and Copy Number Analysis + mtDNA + HTT Repeat Expansion Analysis)	81460, 81465, 81175, 81185, 81189, 81286, 81302, 81304, 81325, 81324, 81403, 81404 (x18), 81405 (x34), 81406 (x32), 81407 (x8), 81408 (x3), 81479 (x1), 81271
NGS409	Comprehensive Dystonia (NGS Panel and Copy Number Analysis + mtDNA + HTT Repeat Expansion Analysis)	81185, 81302, 81304, 81321, 81323, 81403, 81404 (x11), 81405 (x20), 81406 (x24), 81408 (x2), 81460, 81465, 81479, 81271
NGS410	Comprehensive Dementia (NGS Panel and Copy Number Analysis + HTT Repeat Expansion Analysis)	81321, 81323, 81351, 81403 (x2), 81404 (x6), 81405 (x7), 81406 (x13), 81479 (x1), 81271
NGS411	Comprehensive Dementia (NGS Panel and Copy Number Analysis + C9orf72 & HTT Repeat Expansion Analysis)	81321, 81323, 81351, 81403 (x2), 81404 (x6), 81405 (x7), 81406 (x13), 81479 (x1), 81271
NGS412	Myoclonic Epilepsy (NGS Panel and Copy Number Analysis)	81189, 81302, 81304, 81403 (x2), 81404 (x3), 81405 (x6), 81406 (x10), 81407 (x2), 81408, 81479
NGS413	Congenital Myopathies (NGS Panel and Copy Number Analysis)	81404, 81405 (x2), 81406 (x3), 81407 (x4), 81408 (x2), 81479 (x1)
NGS417	Ataxia/Episodic Ataxia Disorders (NGS Panel and Copy Number Analysis + mtDNA + SCA & HTT Repeat Expansion Analysis)	81460, 81465, 81175, 81185, 81189, 81286, 81302, 81304, 81325, 81324, 81403, 81404 (x18), 81405 (x34), 81406 (x32), 81407 (x8), 81408 (x3), 81479 (x1), 81187, 81179, 81180, 81184, 81181, 81182, 81183, 81343, 81344, 81479, 81177, 81271
NGS419	Ataxia/Episodic Ataxia Disorders (NGS Panel and Copy Number Analysis + mtDNA + FRDA Repeat Expansion Analysis)	81460, 81465, 81175, 81185, 81189, 81286, 81302, 81304, 81325, 81324, 81403, 81404 (x18), 81405 (x34), 81406 (x32), 81407 (x8), 81408 (x3), 81479 (x1), 81248
NGS420	Ataxia/Episodic Ataxia Disorders (NGS Panel and Copy Number Analysis + mtDNA + SCA & FRDA Repeat Expansion Analysis)	81460, 81465, 81175, 81185, 81189, 81286, 81302, 81304, 81325, 81324, 81403, 81404 (x18), 81405 (x34), 81406 (x32), 81407 (x8), 81408 (x3), 81479 (x1), 81187, 81179, 81180, 81184, 81181, 81182, 81183, 81343, 81344, 81479, 81177, 81284
NGS421	Congenital Muscular Dystrophies (NGS Panel and Copy Number Analysis)	81161, 81404 (x2), 81405(x3), 81406 (x5), 81407 (x3), 81408 (x2), 81479 (x1)
NGS422	Limb-Girdle Muscular Dystrophy (NGS Panel and Copy Number Analysis)	81161, 81404 (x3), 81405 (x8), 81406 (x6), 81408 (x2), 81479
NGS423	Emery-Dreifuss Muscular Dystrophy (NGS Panel and Copy Number Analysis)	81161, 81404 (x2), 81405, 81406, (x2), 81408, 81479
NGS424	Duchenne/Becker Muscular Dystrophy (NGS Panel and Copy Number Analysis)	81161, 81408
NGS425	Microcephaly (NGS Panel and Copy Number Analysis)	81175, 81216, 81167, 81302, 81304, 81307, 81403 (x3), 81404 (x9), 81405 (x16), 81406 (x16), 81407 (x7), 81408 (x1), 81479 (x1)
NGS426	Hydrocephalus (NGS Panel and Copy Number Analysis)	81321, 81323, 81351, 81403, 81404 (x4), 81405 (x9), 81406 (x7), 81407 (x3), 81408 (x4), 81479
NGS428	Tuberous Sclerosis (NGS Panel and Copy Number Analysis)	81405 (x1), 81406 (x2), 81407, 81479(x1)
NGS429	Familial Hemiplegic Migraine (NGS Panel and Copy Number Analysis + mtDNA)	81406, 81407 x2, 81479, 81460, 81465
NGS430	Stroke (NGS Panel and Copy Number Analysis + mtDNA)	81460, 81465, 81364, 81363, 81403, 81404 (x2), 81405 (x6), 81406 (x9), 81408 (x2), 81479(x1)
NGS431	Ataxia/Episodic Ataxia Disorders (NGS Panel and Copy Number Analysis + mtDNA + SCA Repeat Expansion Analysis)	81460, 81465, 81175, 81185, 81189, 81286, 81302, 81304, 81325, 81324, 81403, 81404 (x18), 81405 (x34), 81406 (x32), 81407 (x8), 81408 (x3), 81479 (x1), 81187, 81179, 81180, 81184, 81181, 81182, 81183, 81343, 81344, 81479, 81177
NGS445	Comprehensive Neuropathies (NGS Panel and Copy Number Analysis + mtDNA)	81448, 81460, 81465
NGS446	Dopa-Responsive Dystonia (NGS Panel and Copy Number Analysis)	81405, 81406, 81479
NGS447	Sarcoglycanopathies (NGS Panel and Copy Number Analysis)	81404, 81405 (x5), 81406
NGS448	Hyperreflexia (NGS Panel and Copy Number Analysis)	81479
NGS449	Hyperphenylalaninemia (NGS Panel and Copy Number Analysis)	81405, 81406, 81479
NGS453	Cornelia de Lange Syndrome	81479
NGS454	Polymicrogyria	81302, 81304, 81404 (x1), 81405 (x3), 81406 (x4), 81407 (x1), 81479 (x1)
NGS455	Lissencephaly	81403, 81404 (x2), 81405 (x4), 81406 (x4), 81407 (x1), 81479 (x1)
NGS456	Cerebral Cavemous Malformations	81479
NGS457	Holoprosencephaly	81479
NGS459	Waardenburg Syndrome	81479
NGS460	Alport Syndrome	81407 (x2), 81408 (x2), 81479 (x1)
NGS461	Pendred Syndrome	81404, 81406, 81479
NGS462	Ferrault Syndrome	81404, 81479
NGS463	Treacher-Collins Syndrome	81479
NGS464	Comprehensive Vision Loss & Eye Disorders + mtDNA	81434, 81460, 81465
NGS465	Dysautonomia	81325, 81324, 81403 (x1), 81404 (x5), 81405 (x6), 81406 (x10), 81479(x1)