



Quick Guide To Genetic Testing

TEST	DISORDER	TEST CODE	CPT	TAT	INSTITUTIONAL COST	
Aceruloplasminemia testing						
CP sequencing	Aceruloplasminemia	2101	81406	4 weeks	\$1,000	
CP deletion/duplication		2102	81405	4 weeks	\$1,000	
Albinism testing						
Albinism Sequencing Panel**		1101	81407	8 weeks	\$2,500	
Albinism Deletion/Duplication Panel		1102	81407	6 weeks	\$2,500	
Alstrom syndrome testing						
ALMS1 sequencing	Alstrom syndrome	2103	81406	4 weeks	\$1,000	
ALMS1 deletion/duplication		2104	81405	4 weeks	\$1,000	
Alternating Hemiplegia of Childhood testing						
ATP1A3 sequencing	Alternating hemiplegia of childhood	1103	81406	4 weeks	\$1,000	
Angelman syndrome						
MS-MLPA (detects methylation and deletions in 15q11-13)	Angelman syndrome	1104	81331	4 weeks	\$525	
UPD 15 testing (requires samples from both parents also)		1105	81402	4 weeks	\$540	
Imprinting center deletion analysis		1106	81403	4 weeks	\$450	
UBE3A sequencing		1107	81406	4 weeks	\$1,000	
UBE3A deletion/duplication		1108	81405	4 weeks	\$1,000	
SLC9A6 sequencing		X-linked Angelman-like syndrome	1109	81406	4 weeks	\$1,000
SLC9A6 deletion/duplication			1110	81405	4 weeks	\$1,000
Angelman Syndrome Tier 2 Panel**			1111	81479	4 weeks	\$2,500
Reti/Angelman Syndrome Sequencing Panel**			1112	81407	8 weeks	\$2,500
Reti/Angelman Syndrome Deletion/Duplication Panel		1113	81407	6 weeks	\$2,500	
Aniridia testing						
PAX6sequencing		2105	81406	4 weeks	\$1,000	
PAX6 deletion/duplication		2106	81405	4 weeks	\$1,000	
Baraitser Winter syndrome testing						
Baraitser Winter syndrome sequencing panel**		1114	81406	8 weeks	\$1,500	
Baraitser Winter syndrome deletion/duplication panel		1115	81405	4 weeks	\$1,545	
Beckwith-Wiedemann syndrome/IMaGe syndrome testing						
CDKN1C sequencing	Beckwith-Wiedemann syndrome	1116	81404	4 weeks	\$840	
Bernard-Soulier syndrome testing						
GPIIb sequencing	Bernard-Soulier syndrome	1117	81403	4 weeks	\$400	
GPIIb deletion/duplication		1118	81402	4 weeks	\$1,000	
Brain Malformation testing						
Cerebellar/Pontocerebellar Hypoplasia Sequencing Panel**	Cerebellar/Pontocerebellar Hypoplasia (PCH)	1119	81407	8 weeks	\$2,800	
Cerebellar/Pontocerebellar Hypoplasia Deletion/Duplication Panel		1120	81407	6 weeks	\$2,500	
TSEN54 sequencing		1121	81406	4 weeks	\$1,000	
TSEN54 deletion/duplication		1122	81405	4 weeks	\$1,000	
CASK sequencing		1123	81407	4 weeks	\$1,000	
CASK deletion/duplication		1124	81406	4 weeks	\$1,000	
OPHN1 sequencing		1125	81406	4 weeks	\$1,000	
OPHN1 deletion/duplication		1126	81405	4 weeks	\$1,000	
Cerebral Cortical Malformations Sequencing Panel**		Cerebral Cortical Malformations	1127	81407	8 weeks	\$3,500
Cerebral Cortical Malformations Deletion/Duplication Panel			1128	81407	6 weeks	\$2,500
Holoprosencephaly Sequencing Panel**	Holoprosencephaly	1129	81407	8 weeks	\$2,800	
Holoprosencephaly Deletion/Duplication Panel		1130	81407	6 weeks	\$1,545	
L1CAM sequencing	L1 syndrome	1131	81407	4 weeks	\$1,000	
L1CAM deletion/duplication		1132	81406	4 weeks	\$1,000	
Comprehensive Hydrocephalus Panel**	Hydrocephalus	1321	81479	6 weeks	\$3,500	
Autosomal Recessive Non-Syndromic Hydrocephalus Sequencing Panel**		1133	81407	4 weeks	\$2,000	
Autosomal Recessive Non-Syndromic Hydrocephalus Deletion/Duplication Panel		1134	81407	4 weeks	\$1,545	
Lissencephaly Sequencing Panel**		1322	81407	8 weeks	\$3,000	
Lissencephaly Deletion/Duplication Panel		1323	81407	6 weeks	\$2,500	
Comprehensive Lissencephaly panel**		1135	81479	8 weeks	\$4,000	
Cobblestone Lissencephaly Sequencing Panel**	Lissencephaly	1136	81407	8 weeks	\$2,500	
Cobblestone Lissencephaly Deletion/Duplication Panel		1137	81407	6 weeks	\$1,545	
DCX (XLIS) sequencing		1138	81405	4 weeks	\$660	
DCX deletion/duplication		1139	81404	4 weeks	\$1,000	
PAFAH1B1 (LIS1) sequencing		1140	81405	4 weeks	\$1,000	
PAFAH1B1 (LIS1) deletion/duplication		1141	81404	4 weeks	\$1,000	
TUBA1A sequencing		1142	81404	4 weeks	\$900	
TUBA1A deletion/duplication		1143	81403	4 weeks	\$1,000	
ARX sequencing		1144	81404	4 weeks	\$900	
ARX deletion/duplication		1145	81403	4 weeks	\$1,000	
Polymicrogyria Sequencing Panel**	Polymicrogyria	1148	81407	8 weeks	\$2,500	
Polymicrogyria Deletion/Duplication Panel		1149	81407	6 weeks	\$2,500	
GPR56 sequencing		1150	81406	4 weeks	\$1,000	
GPR56 deletion/duplication		1151	81405	4 weeks	\$1,000	
OCLN sequencing (exons 2 - 5)		1152	81405	4 weeks	\$875	
OCLN deletion/duplication (exons 2 - 5)		1153	81404	4 weeks	\$1,000	



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<i>TUBB2B</i> sequencing	Polymicrogyria (cont)	1154	81404	4 weeks	\$1,000	
<i>TUBB2B</i> deletion/duplication		1155	81403	4 weeks	\$1,000	
<i>TUBB3</i> sequencing		1156	81404	4 weeks	\$1,000	
<i>TUBB3</i> deletion/duplication		1157	81403	4 weeks	\$1,000	
CHARGE syndrome testing						
<i>CHD7</i> sequencing	CHARGE syndrome	1158	81407	4 weeks	\$1,000	
<i>CHD7</i> deletion/duplication		1159	81406	4 weeks	\$1,000	
CHILD syndrome testing						
<i>NSDHL</i> sequencing	CHILD syndrome	1160	81405	4 weeks	\$1,000	
<i>NSDHL</i> deletion/duplication		1161	81404	4 weeks	\$1,000	
CHIME syndrome testing						
<i>PIGL</i> sequencing	CHIME syndrome	1162	81405	4 weeks	\$1,000	
<i>PIGL</i> deletion/duplication		1163	81404	4 weeks	\$1,000	
Chondrodysplasia punctata testing						
<i>ARSE</i> sequencing	X-linked recessive (CDPX1)	1164	81405	4 weeks	\$900	
<i>ARSE</i> deletion/duplication		1165	81404	4 weeks	\$1,000	
<i>EBP</i> sequencing	X-linked dominant (CDPX2)	1166	81404	4 weeks	\$540	
<i>EBP</i> deletion/duplication		1167	81403	4 weeks	\$1,000	
Rhizomelic Chondrodysplasia Punctata Sequencing Panel**		1170	81407	4 weeks	\$1,500	
Ciliopathy testing						
Bardet-Biedl Syndrome Sequencing Panel**	Bardet-Biedl syndrome	2107	81407	8 weeks	\$2,000	
Bardet-Biedl Syndrome Deletion/Duplication Panel		2108	81407	6 weeks	\$1,545	
Joubert/Meckel Gruber Syndrome Sequencing Panel**	Joubert syndrome and Meckel Gruber syndrome	1171	81407	8 weeks	\$3,000	
Joubert/Meckel Gruber Syndrome Deletion/Duplication Panel		1172	81407	6 weeks	\$2,500	
Meckel Gruber Syndrome Sequencing Panel**	Meckel Gruber syndrome	1173	81407	8 weeks	\$2,500	
Meckel Gruber Syndrome Deletion/Duplication Panel		1174	81407	6 weeks	\$2,500	
Nephronophthisis Sequencing Panel**		1175	81407	8 weeks	\$2,000	
Nephronophthisis Deletion/Duplication Panel	Nephronophthisis	1176	81407	6 weeks	\$1,545	
Coffin-Siris syndrome testing						
Coffin-Siris Syndrome Sequencing Panel**		1178	81407	8 weeks	\$2,500	
Coffin-Siris Syndrome Deletion/Duplication Panel		1179	81407	6 weeks	\$1,545	
Congenital heart defects (isolated) testing						
<i>NKX2.5</i> sequencing	Isolated congenital heart defects	1181	81404	4 weeks	\$430	
<i>NKX2.5</i> deletion/duplication		1182	81403	4 weeks	\$1,000	
Congenital Muscle Disease testing						
Congenital Myopathy Sequencing Panel**		3100	81407	8 weeks	\$2,000	
Congenital Myopathy Deletion/Duplication Panel		3101	81407	6 weeks	\$1,545	
Congenital Muscular Dystrophy Sequencing Panel**		3102	81407	8 weeks	\$2,000	
Congenital Muscular Dystrophy Deletion/Duplication Panel		3103	81407	6 weeks	\$1,545	
Congenital Myopathy with Prominent Contractures Sequencing Panel**		3104	81407	8 weeks	\$2,000	
Congenital Myopathy with Prominent Contractures Deletion/Duplication Panel		3105	81407	6 weeks	\$1,545	
Limb Girdle Muscular Dystrophy Sequencing Panel**		3106	81407	8 weeks	\$2,000	
Limb Girdle Muscular Dystrophy Deletion/Duplication Panel		3107	81407	6 weeks	\$1,545	
Congenital Myasthenic Syndrome Sequencing Panel**		3108	81407	8 weeks	\$2,000	
Congenital Myasthenic Syndrome Deletion/Duplication Panel		3109	81407	6 weeks	\$1,545	
Neuromuscular Disorders Sequencing Panel**		3118	81407	8 weeks	\$2,000	
<i>BIN1</i> sequencing	Autosomal recessive centronuclear myopathy	3110	81406	4 weeks	\$1,000	
<i>BIN1</i> deletion/duplication		3111	81405	4 weeks	\$1,000	
<i>RYR1</i> sequencing		3112	81408	4 weeks	\$1,000	
<i>RYR1</i> deletion/duplication		3113	81407	4 weeks	\$1,000	
<i>DNM2</i> sequencing	Autosomal dominant centronuclear myopathy, CMT	3114	81406	4 weeks	\$1,000	
<i>DNM2</i> deletion/duplication		3115	81405	4 weeks	\$1,000	
<i>MTM1</i> sequencing	X-linked myotubular myopathy	3116	81406	4 weeks	\$1,000	
<i>MTM1</i> deletion/duplication		3117	81405	4 weeks	\$1,000	
Cornelia de Lange syndrome testing						
Cornelia de Lange Syndrome Panel**	Cornelia de Lange Syndrome	1324	81479	4 weeks	\$2,500	
<i>NIPBL</i> sequencing		1186	81407	4 weeks	\$1,000	
<i>NIPBL</i> deletion/duplication		1187	81406	4 weeks	\$1,000	
<i>SMC1A</i> sequencing		1188	81406	4 weeks	\$1,000	
<i>SMC1A</i> deletion/duplication		1189	81405	4 weeks	\$1,000	
<i>SMC3, RAD21, HDAC8</i> sequencing		1190	81407	4 weeks	\$1,500	
<i>SMC3, RAD21, HDAC8</i> deletion/duplication		1191	81407	4 weeks	\$1,545	
Cornelia de Lange PLUS Sequencing Panel**		1192	81407	8 weeks	\$3,500	
Craniofacial testing						
Craniofacial Sequencing Panel**			1193	81407	8 weeks	\$3,000
Craniofacial Deletion/Duplication Panel		1194	81407	6 weeks	\$2,500	
Facial Dysostosis Sequencing Panel**		1195	81407	8 weeks	\$2,500	
Facial Dysostosis Deletion/Duplication Panel		1196	81407	6 weeks	\$1,545	
Curarino syndrome						
<i>MXN1</i> sequencing		2175	81404	4 weeks	\$1,000	
<i>MXN1</i> deletion/duplication analysis		2176	81403	4 weeks	\$1,000	
Custom mutation analysis (requires approval by UCGS Lab staff)						
Custom mutation analysis (targeted analysis for known sequence change for first family member)		7101	81403	4 weeks	\$540	
Custom targeted analysis (for known sequence change for additional family members)		7102	81403	3 weeks	\$500	
Custom deletion/duplication analysis for known familial deletion/duplication by real-time q-pcr		7103	81402	6 weeks	\$1,000	



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Disorders of Sex Development testing					
Abnormal/Ambiguous Genitalia Sequencing Panel **		2109	81407	8 weeks	\$4,000
Hypogonadotropic Hypogonadism Sequencing Panel**		2110	81407	8 weeks	\$3,500
Kallmann Syndrome Sequencing Panel**		2174	81407	8 weeks	\$3,000
Hypospadias Sequencing Panel**		2111	81407	8 weeks	\$2,000
46,XX Disorders of Sex Development/Complete Gonadal Dysgenesis Sequencing Panel**		2112	81407	8 weeks	\$2,000
46,XY Disorders of Sex Development/Complete Gonadal Dysgenesis Sequencing Panel**		2113	81407	8 weeks	\$3,000
Cytogenomic SNP array (postnatal)		8100	81229	4 weeks	\$1,500
Distal arthrogyroses testing					
Distal Arthrogyroses Sequencing Panel**		1198	81407	8 weeks	\$2,500
Distal Arthrogyroses Deletion/Duplication Panel		1199	81407	6 weeks	\$1,545
Donnai-Barrow syndrome testing					
LRP2 sequencing	Donnai-Barrow syndrome	1200	81406	4 weeks	\$1,000
LRP2 deletion/duplication		1201	81405	4 weeks	\$1,000
Epilepsy testing					
Early Infantile Epileptic Encephalopathy Sequencing Panel**		1326	81407	8 weeks	\$2,000
Epilepsy Exome Panel (includes exome sequencing of proband and both parents)**		6102	81415	6 weeks	\$5,800
Epilepsy Exome Panel (proband only)**		6103	81415	6 weeks	\$4,000
ARX sequencing		1144	81404	4 weeks	\$900
ARX deletion/duplication		1145	81403	4 weeks	\$1,000
STXBP1 sequencing		4103	81406	4 weeks	\$1,000
STXBP1 deletion/duplication		4104	81405	4 weeks	\$1,000
SLC25A22 sequencing		4105	81406	4 weeks	\$1,000
SLC25A22 deletion/duplication		4106	81405	4 weeks	\$1,000
SPTAN1 sequencing		4107	81408	4 weeks	\$1,000
SPTAN1 deletion/duplication		4108	81407	4 weeks	\$1,000
PCDH19 sequencing		4109	81404	4 weeks	\$1,000
PCDH19 deletion/duplication		4110	81403	4 weeks	\$1,000
Cytogenomic SNP array (postnatal)		8100	81229	4 weeks	\$1,500
Exome Sequencing					
Exome Sequencing (Proband only)**		6103	81415	6 weeks	\$4,000
Exome Sequencing (Trio)**		6104	81415, 81416	6 weeks	\$5,800
STAT Exome Sequencing (Proband only)**		6107	81415	Prelim result in 2 weeks	\$8,000
STAT Exome Sequencing (Trio)**		6108	81415, 81416	Prelim result in 2 weeks	\$11,600
Exome Select**		6105	81415	6 weeks	\$3,000
Fanconi-Bickel syndrome testing					
SLC2A2 sequencing	Fanconi-Bickel syndrome	2114	81406	4 weeks	\$1,000
SLC2A2 deletion/duplication		2115	81405	4 weeks	\$1,000
Floating Harbor syndrome testing					
SRCAP sequencing	Floating Harbor syndrome	1202	81407	4 weeks	\$1,000
SRCAP deletion/duplication		1203	81406	4 weeks	\$1,000
Glucose transporter type 1 deficiency testing					
SLC2A1 sequencing	Glucose transporter type 1 deficiency	4111	81405	4 weeks	\$1,000
SLC2A1 deletion/duplication		4112	81404	4 weeks	\$1,000
Goldberg-Shprintzen megacolon syndrome testing					
KIAA1279 sequencing	Goldberg-Shprintzen megacolon	1204	81405	4 weeks	\$1,000
KIAA1279 deletion/duplication		1205	81404	4 weeks	\$1,000
Hearing loss testing					
GJB2 sequencing (Connexin 26)	Hearing loss	1206	81252	4 weeks	\$500
GJB2 deletion/duplication		1207	81402	4 weeks	\$1,000
Targeted analysis for a known familial GJB2 mutation		7107	81253	3 weeks	\$500
Hereditary Cancer testing					
Comprehensive Hereditary Cancer panel**		5144	81407	6 weeks	\$5,000
BRCA1 and BRCA2 Mutation Analysis (sequence and deletion/duplication analysis)**		5146	81211, 81213	4 weeks	\$2,500
BRCA1, BRCA2 and PALB2 Mutation Analysis (sequence and deletion/duplication analysis)**		5147	81211, 81213	4 weeks	\$2,500
BRCA1, BRCA2 and TP53 Mutation Analysis (sequence and deletion/duplication analysis)**		5148	81211, 81213	4 weeks	\$2,500
Hereditary Breast and Ovarian Cancer High Risk Panel**		5149	81211, 81213	6 weeks	\$3,500
Comprehensive Hereditary Breast and Ovarian Cancer Panel**		5150	81211, 81213	6 weeks	\$3,500
Lynch Syndrome Panel**		5151	81292, 81294, 81295, 81297, 81317, 81319, 81298, 81300	6 weeks	\$3,500
Hereditary Colorectal Cancer High Risk Panel**		5152	81292, 81294, 81295, 81297, 81317, 81319, 81298, 81300, 81201, 81203	6 weeks	\$3,500
Colorectal Polyposis Panel**		5153	81321, 81323, 81201, 81203	6 weeks	\$3,500
Comprehensive Hereditary Colorectal Cancer Panel**		5154	81435, 81436	6 weeks	\$4,000
Hereditary Prostate Cancer Panel**		5155	81407	6 weeks	\$3,500



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Familial <i>BRCA1</i> mutation	Hereditary Breast and Ovarian Cancer	5101	81215	3 weeks	\$500
Familial <i>BRCA2</i> mutation		5102	81217	3 weeks	\$500
3 Ashkenazi <i>BRCA1</i> and <i>BRCA2</i> mutations		5103	81212	3 weeks	\$500
Comprehensive Familial Myelodysplastic Syndrome/Acute Leukemia Panel**		5143	81407	6 weeks	\$4,000
Tier 1: Familial Myelodysplastic Syndrome / Acute Leukemia Panel**		5104	81407	6 weeks	\$3,500
Tier 2: Familial Myelodysplastic Syndrome / Acute Leukemia Panel**		5107	81407	6 weeks	\$2,000
Hereditary Leukemia and Breast Cancer Panel**		5142	81407	6 weeks	\$4,000
Tier 1: Hereditary Lymphoma Panel**		5108	81407	6 weeks	\$3,300
Tier 2: Hereditary Lymphoma Panel**		5109	81407	6 weeks	\$2,000
Diamond-Blackfan Anemia Sequencing Panel**		5112	81407	8 weeks	\$2,000
Diamond-Blackfan Anemia Deletion/Duplication panel		5113	81406	6 weeks	\$1,545
Comprehensive Telomere Biology Disorder/Dyskeratosis Congenita Panel**		5114	81407	6 weeks	\$3,500
Telomere Biology Disorder/Dyskeratosis Congenita Sequencing Panel**		5115	81407	6 weeks	\$2,500
Dyskeratosis Congenita Deletion/Duplication Panel		5116	81406	6 weeks	\$1,545
Fanconi Anemia Sequencing Panel**		5117	81407	8 weeks	\$2,000
Fanconi Anemia Deletion/Duplication Panel		5118	81406	6 weeks	\$1,545
Hereditary Melanoma Sequencing panel**		5119	81445	6 weeks	\$2,000
Hereditary Melanoma Deletion/Duplication panel		5120	81407	6 weeks	\$1,545
Hereditary Gastric Cancer Panel**		5121	81445	6 weeks	\$3,500
Hereditary Pheochromocytoma and Paraganglioma Panel**		5122	81445	6 weeks	\$3,000
Hereditary Thyroid Cancer Panel**		5145	81445, 81407	4 weeks	\$3,500
Comprehensive Bone Marrow Failure Panel**	Inherited Bone Marrow Failure Disorders	5133	81407	6 weeks	\$3,000
Inherited Bone Marrow Failure Sequencing Panel**		5134	81407	6 weeks	\$2,000
Inherited Bone Marrow Failure Deletion/Duplication Panel		5135	81406	6 weeks	\$1,545
<i>SCG5/GREM1</i> targeted duplication testing (founder mutation)	Hereditary mixed polyposis syndrome	5136	81402	3 weeks	\$500
Severe Congenital Neutropenia Sequencing Panel **		5137	81407	8 weeks	\$2,000
Severe Congenital Neutropenia Deletion/Duplication Panel		5138	81406	6 weeks	\$1,545
<i>SMARCA4</i> sequencing	Rhabdoid Tumor Predisposition Syndrome	5139	81407	4 weeks	\$1,000
<i>SMARCA4</i> deletion/duplication		5140	81406	4 weeks	\$1,000
Hereditary Hemorrhagic Telangiectasia (HHT)					
Hereditary Hemorrhagic Telangiectasia (HHT) Sequencing Panel**		1314	81407	8 weeks	\$1,500
Hereditary Motor and Sensory Neuropathy with Agenesis of the Corpus Callosum					
<i>SLC12A6</i> sequencing	Hereditary Motor and Sensory Neuropathy with ACC	1208	81406	4 weeks	\$1,000
<i>SLC12A6</i> deletion/duplication		1209	81405	4 weeks	\$1,000
Hydroxyglutaric Aciduria (D2 and L2)					
D-2-Hydroxyglutaric Aciduria Sequencing Panel**		1197	81406	4 weeks	\$1,500
<i>L2HGDH</i> sequencing		1217	81405	4 weeks	\$1,000
<i>SLC25A1</i> sequencing		1180	81405	4 weeks	\$1,000
D-2 and L2-Hydroxyglutaric Aciduria Sequencing Panel**		1325	81407	8 weeks	\$1,500
Hyperinsulinism, Congenital testing					
Tier 1 Panel: Diazoxide Unresponsive Hyperinsulinism	Familial hyperinsulinism	2116	81479	7 days	\$3,000
Congenital Hyperinsulinism Sequencing Panel		2117	81407	4 weeks	\$1,400
Comprehensive Congenital Hyperinsulinism Panel		2118	81479	4 weeks	\$3,000
Hypoinsulinemic Hypoglycemia with Hemihypertrophy testing					
<i>AKT2</i> sequencing	Hypoinsulinemic Hypoglycemia with Hemihypertrophy	2119	81406	4 weeks	\$1,000
<i>AKT2</i> deletion/duplication		2120	81405	4 weeks	\$1,000
Intellectual Disability (ID) testing					
Autosomal Recessive Non-Specific ID Sequencing Panel**		1210	81407	8 weeks	\$2,000
X-Linked Non-Specific ID Sequencing Panel**		1211	81470	8 weeks	\$2,000
Non-Specific ID Sequencing Panel**		1212	81407, 81470	8 weeks	\$3,500
Intellectual Disability Exome Panel (trio)**		6106	81415, 81416	6 weeks	\$5,500
Cytogenomic SNP array (postnatal)		8100	81229	4 weeks	\$1,500
IPEX syndrome testing					
<i>FOXP3</i> sequencing	IPEX syndrome	2121	81406	4 weeks	\$1,000
<i>FOXP3</i> deletion/duplication		2122	81405	4 weeks	\$1,000
Kabuki syndrome testing					
<i>KMT2D (MLL2)</i> sequencing	Kabuki syndrome	1213	81408	4 weeks	\$1,000
<i>KMT2D (MLL2)</i> deletion/duplication		1214	81407	4 weeks	\$1,000
<i>KDM6A</i> sequencing		1215	81407	4 weeks	\$1,000
<i>KDM6A</i> deletion/duplication		1216	81406	4 weeks	\$1,000
Comprehensive Kabuki syndrome panel**		1327	81479	8 weeks	\$2,500
Lipodystrophy testing					
Comprehensive Lipodystrophy Sequencing Panel**		2123	81407	8 weeks	\$3,000
Comprehensive Lipodystrophy Deletion/Duplication Panel		2124	81407	6 weeks	\$2,500
Congenital Generalized Lipodystrophy Sequencing panel**		2125	81407	8 weeks	\$2,000
Congenital Generalized Lipodystrophy Deletion/Duplication panel		2126	81405	6 weeks	\$1,545
Partial Lipodystrophy Sequencing Panel**		2127	81407	8 weeks	\$3,000
Partial Lipodystrophy Deletion/Duplication Panel		2128	81407	6 weeks	\$1,545



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Laminopathy testing					
LMNA sequencing (Lamin A/C)	Laminopathies	1218	81406	4 weeks	\$1,000
LMNA deletion/duplication		1219	81405	4 weeks	\$1,000
Macrocephaly testing					
Macrocephaly Sequencing Panel**		1220	81407	8 weeks	\$3,000
Macrocephaly Deletion/Duplication Panel		1221	81407	6 weeks	\$2,500
NSD1 sequencing	Sotos syndrome	1222	81406	4 weeks	\$1,000
NSD1 deletion/duplication		1223	81405	4 weeks	\$1,000
NSD1 mutation analysis (sequencing + deletion/duplication)		1317	81479	4 weeks	\$1,700
EZH2 sequencing	Weaver syndrome	1224	81406	4 weeks	\$1,000
EZH2 deletion/duplication		1225	81405	4 weeks	\$1,000
EZH2 mutation analysis (sequencing + deletion/duplication)		1318	81479	4 weeks	\$1,700
NFIX sequencing	Sotos-like syndrome	1226	81405	4 weeks	\$1,000
MCT8 testing: (NOTE: 3-10cc of blood in a red top tube AND 3-10cc of blood in a purple top EDTA tube)					
Thyroid testing only	Allan-Herndon-Dudley syndrome/MCT8-related thyroid hormone cell transporter deficiency	2129	84436, 84481, 84443, 84482	2 weeks	\$350
SLC16A2 (MCT8) sequencing (performed after abnormal thyroid testing)		2130	81405	4 weeks	\$1,000
SLC16A2 (MCT8) deletion/duplication		2131	81404	4 weeks	\$1,000
Menkes disease testing					
ATP7A sequencing	Menkes disease	1227	81406	4 weeks	\$1,000
ATP7A deletion/duplication		1228	81405	4 weeks	\$1,000
Microcephalic Osteodysplastic Primordial Dwarfism					
Seckel Syndrome Sequencing Panel**		1229	81407	8 weeks	\$2,000
Seckel Syndrome Deletion/Duplication Panel		1230	81407	6 weeks	\$1,545
Meier-Gorlin Syndrome Sequencing Panel**		1231	81407	8 weeks	\$2,000
Meier-Gorlin Syndrome Deletion/Duplication Panel		1232	81407	6 weeks	\$1,545
Comprehensive Primordial Dwarfism Sequencing Panel**		1233	81407	8 weeks	\$2,000
Comprehensive Primordial Dwarfism Deletion/Duplication Panel		1234	81407	6 weeks	\$1,545
3-M Syndrome Sequencing Panel**		1328	81407	8 weeks	\$1,500
Microcephaly testing					
Microcephaly Sequencing Panel**		1237	81407	8 weeks	\$4,000
Comprehensive Autosomal Recessive Primary Microcephaly Panel**	Autosomal Recessive Primary Microcephaly	1315	81479	8 weeks	\$3,000
ASPM sequencing		1240	81407	4 weeks	\$1,000
ASPM deletion/duplication		1241	81406	4 weeks	\$1,000
IER3IP1 sequencing	Microcephaly, Epilepsy and Diabetes Syndrome	2132	81404	4 weeks	\$1,000
IER3IP1 deletion/duplication		2133	81403	4 weeks	\$1,000
NDE1 sequencing		1244	81405	4 weeks	\$1,000
NDE1 deletion/duplication		1245	81404	4 weeks	\$1,000
PNKP sequencing		1246	81406	4 weeks	\$1,000
PNKP deletion/duplication		1247	81405	4 weeks	\$1,000
STAMBIP sequencing	Microcephaly-Capillary Malformation Syndrome	1248	81405	4 weeks	\$1,000
STAMBIP deletion/duplication		1249	81404	4 weeks	\$1,000
WDR62 sequencing		1250	81407	4 weeks	\$1,000
WDR62 deletion/duplication		1251	81406	4 weeks	\$1,000
Mitchell-Riley syndrome testing					
RFX6 sequencing	Mitchell-Riley syndrome	2134	81406	4 weeks	\$1,000
RFX6 deletion/duplication		2135	81405	4 weeks	\$1,000
Mowat Wilson syndrome testing					
ZEB2 sequencing	Mowat-Wilson syndrome	1252	81405	4 weeks	\$1,000
ZEB2 deletion/duplication		1253	81404	4 weeks	\$1,000
Multiple Congenital Anomaly testing					
Cytogenomic SNP array (postnatal)		8100	81229	4 weeks	\$1,500
Movement Disorder testing					
Ataxia Exome Panel**		6101	81415	6 weeks	\$4,000
Dystonia Exome Panel**		6109	81415	6 weeks	\$3,500
Hereditary Spastic Paraplegia Exome Panel**		6110	81415	6 weeks	\$3,000
Neonatal Diabetes Mellitus, Maturity-Onset Diabetes of the Young and Monogenic Obesity testing					
Comprehensive Neonatal Diabetes Mutation Analysis		2136	81479	4 weeks	\$3,000
6q24 Methylation-Specific MLPA	Transient neonatal diabetes	2137	81402	4 weeks	\$600
Neonatal Diabetes Mellitus (NDM) Sequencing Panel		2138	81407	4 weeks	\$2,500
Neonatal Diabetes Mellitus (NDM) Deletion/Duplication Panel		2139	81407	6 weeks	\$1,545
Neonatal Diabetes/MODY Sequencing Panel		2140	81407	8 weeks	\$3,000
MODY Panel		2141	81407	6 weeks	\$3,000
GCK sequencing	MODY type 2	2142	81405	4 weeks	\$850
GCK deletion/duplication		2143	81404	4 weeks	\$1,000
GLIS3 sequencing	NDM with Congenital Hypothyroidism	2144	81405	4 weeks	\$1,000
GLIS3 deletion/duplication		2145	81404	4 weeks	\$1,000
KCNJ11 sequencing	Neonatal diabetes	2146	81403	4 weeks	\$400
KCNJ11 deletion/duplication		2147	81402	4 weeks	\$1,000
NEUROG3 sequencing	NDM with Severe Malabsorptive Diarrhea	2148	81403	4 weeks	\$1,000
NEUROG3 deletion/duplication		2149	81403	4 weeks	\$1,000
Bardet-Biedl Syndrome Sequencing Panel**		2107	81407	8 weeks	\$2,000
Bardet-Biedl Syndrome Deletion/Duplication Panel		2108	81407	6 weeks	\$1,545
Non-Syndromic Monogenic Obesity Sequencing Panel**	Monogenic Obesity	2169	81407	8 weeks	\$2,500
Monogenic Obesity Sequencing Panel**		2151	81407	8 weeks	\$3,000



Quick Guide To Genetic Testing

TEST	DISORDER	TEST CODE	CPT	TAT	INSTITUTIONAL COST
Neurodegeneration with brain iron accumulation (NBIA) testing					
NBIA Sequencing Panel**		1254	81407	8 weeks	\$2,500
NBIA Deletion/Duplication Panel		1255	81407	6 weeks	\$1,545
<i>FTL</i> sequencing	Neuroferritinopathy	1256	81404	4 weeks	\$550
<i>FTL</i> deletion/duplication		1257	81403	4 weeks	\$1,000
<i>PANK2</i> sequencing	PKAN/Hallervorden-Spatz syndrome	1258	81405	4 weeks	\$900
<i>PANK2</i> deletion/duplication		1259	81404	4 weeks	\$1,000
<i>PLA2G6</i> sequencing	Infantile neuroaxonal dystrophy	1260	81406	4 weeks	\$1,000
<i>PLA2G6</i> deletion/duplication		1261	81405	4 weeks	\$1,000
Neuronal Ceroid- Lipofuscinoses testing					
Neuronal Ceroid-Lipofuscinoses Panel**		4113	81407	8 weeks	\$2,000
Nicolaides-Baraitser syndrome testing					
<i>SMARCA2</i> sequencing	Nicolaides-Baraitser syndrome	1262	81407	4 weeks	\$1,000
<i>SMARCA2</i> deletion/duplication		1263	81406	4 weeks	\$1,000
Noonan syndrome testing					
Noonan Syndrome Sequencing panel**		1312	81407	8 weeks	\$2,000
Noonan Syndrome Deletion/Duplication panel		1313	81407	6 weeks	\$1,545
Oculodentodigital dysplasia testing					
<i>GJA1</i> sequencing		1264	81404	4 weeks	\$540
Oral-facial-digital syndrome testing					
<i>OFD1</i> sequencing	Oral-facial-digital syndrome	1265	81406	4 weeks	\$1,000
<i>OFD1</i> deletion/duplication		1266	81405	4 weeks	\$1,000
Pancreatic Agenesis					
<i>PDX1</i> sequencing	Pancreatic Agenesis	2152	81404	4 weeks	\$1,000
<i>PDX1</i> deletion/duplication		2153	81403	4 weeks	\$1,000
<i>GATA6</i> sequencing	Pancreatic Agenesis and Congenital Heart Defects	2154	81405	4 weeks	\$1,000
<i>GATA6</i> deletion/duplication		2155	81404	4 weeks	\$1,000
<i>PTF1A</i> sequencing	Pancreatic and Cerebellar Agenesis	2156	81404	4 weeks	\$1,000
<i>PTF1A</i> deletion/duplication		2157	81403	4 weeks	\$1,000
Pigmented hypertrichotic dermatosis with insulin-dependent diabetes mellitus testing					
<i>SLC29A3</i> sequencing		2158	81405	4 weeks	\$1,000
<i>SLC29A3</i> deletion/duplication		2159	81404	4 weeks	\$1,000
Pitt-Hopkins syndrome testing					
<i>TCF4</i> sequencing	Pitt-Hopkins syndrome	1267	81406	4 weeks	\$1,000
<i>TCF4</i> deletion/duplication		1268	81405	4 weeks	\$1,000
Prader-Willi syndrome testing					
Methylation Specific MLPA		1104	81331	4 weeks	\$525
UPD15 (requires samples from both parents also)		1105	81402	4 weeks	\$540
Imprinting center deletion analysis		1106	81403	4 weeks	\$450
<i>MAGEL2</i> sequencing		1272	81403	4 weeks	\$1,000
Premature Ovarian Failure testing					
Premature Ovarian Failure Panel**		2160	81407	8 weeks	\$2,000
Renal Cystic Disorders testing					
Renal Cystic Disorders Sequencing Panel**		1311	81407	8 weeks	\$2,000
Rett/Atypical Rett syndrome testing					
Rett/Atypical Rett Syndrome Panel**		1273	81479	4 weeks	\$2,500
Rett/Angelman Syndrome Sequencing Panel**		1112	81407	8 weeks	\$2,500
Rett/Angelman Syndrome Deletion/Duplication Panel		1113	81407	6 weeks	\$2,500
<i>MECP2</i> sequencing	Rett syndrome	1274	81302	4 weeks	\$900
<i>MECP2</i> deletion/duplication		1275	81304	4 weeks	\$1,000
<i>CDKL5</i> sequencing		1276	81406	4 weeks	\$1,000
<i>CDKL5</i> deletion/duplication		1277	81405	4 weeks	\$1,000
<i>FOXP1</i> sequencing	Rett syndrome, congenital variant	1278	81404	4 weeks	\$550
<i>FOXP1</i> deletion/duplication		1279	81402	4 weeks	\$1,000
<i>MEF2C</i> sequencing		1280	81405	4 weeks	\$1,000
<i>MEF2C</i> deletion/duplication		1281	81404	4 weeks	\$1,000
Rickets testing					
Rickets Sequencing Panel**		2173	81407	4 weeks	\$2,500
Roberts syndrome testing					
<i>ESCO2</i> sequencing		1282	81405	4 weeks	\$1,000
<i>ESCO2</i> deletion/duplication		1283	81404	4 weeks	\$1,000
Robinow syndrome testing					
<i>ROR2</i> sequencing	Autosomal Recessive Robinow syndrome, brachydactyly type B1	1284	81405	4 weeks	\$1,000
<i>ROR2</i> deletion/duplication		1285	81404	4 weeks	\$1,000
<i>WNT5A</i> sequencing	Autosomal Dominant Robinow syndrome	1286	81404	4 weeks	\$1,000
<i>WNT5A</i> deletion/duplication		1287	81403	4 weeks	\$1,000
Comprehensive Robinow Syndrome panel**		1319	81479	8 weeks	\$2,500
Rubinstein-Taybi syndrome testing					
<i>CREBBP</i> sequencing		1288	81407	4 weeks	\$1,000
<i>CREBBP</i> deletion/duplication		1289	81406	4 weeks	\$1,000
<i>EP300</i> sequencing		1290	81407	4 weeks	\$1,000
<i>EP300</i> deletion/duplication		1291	81406	4 weeks	\$1,000
Comprehensive Rubenstein-Taybi Syndrome panel**		1320	81479	8 weeks	\$2,500
Schinzel-Giedion syndrome testing					
<i>SETBP1</i> sequencing		1292	81404	4 weeks	\$1,000
<i>SETBP1</i> deletion/duplication		1293	81403	4 weeks	\$1,000



Quick Guide To Genetic Testing

TEST	DISORDER	TEST CODE	CPT	TAT	INSTITUTIONAL COST
SHORT syndrome testing					
PIK3R1 sequencing		1294	81406	4 weeks	\$1,000
Thrombocytopenia testing					
Thrombocytopenia Sequencing panel**		5141	81407	6 weeks	\$3,000
Temple-Baraitser syndrome testing					
KCNH1 sequencing		1146	81406	4 weeks	\$900
Thiamine Responsive Megaloblastic Anemia syndrome testing					
SLC19A2 sequencing		2161	81405	4 weeks	\$1,000
SLC19A2 deletion/duplication		2162	81404	4 weeks	\$1,000
Thyroid Disorders testing					
Congenital Hypothyroidism Sequencing panel**		2170	81407	4 weeks	\$2,500
Hyperparathyroidism Sequencing panel**		2171	81407	4 weeks	\$2,500
Hypoparathyroidism Sequencing panel**		2172	81407	4 weeks	\$2,500
Type A Insulin Resistant Diabetes with Acanthosis Nigricans testing					
INSR sequencing	Type A Insulin Resistant Diabetes with Acanthosis Nigricans	2163	81406	4 weeks	\$1,000
INSR deletion/duplication		2164	81405	4 weeks	\$1,000
UGT1A1 testing					
UGT1A1 genotyping for Gilbert syndrome		1295	81350	2 weeks	\$390
UGT1A1 genotyping for irinotecan dosing		1296	81350	1 week	\$300
UGT1A1 sequencing	Crigler-Najjar syndrome	1297	81404	4 weeks	\$875
UGT1A1 deletion/duplication		1298	81403	4 weeks	\$1,000
UPD testing: (NOTE: 3-10cc of blood in an EDTA/purple top tube from patient AND BOTH parents)					
UPD6 testing	Transient neonatal diabetes	1299	81402	4 weeks	\$540
UPD7 testing	Russell-Silver syndrome	1300	81402	4 weeks	\$540
UPD14 testing	UPD14	1301	81402	4 weeks	\$540
UPD15 testing	Angelman and Prader-Willi syndromes	1105	81402	4 weeks	\$540
Warburg Micro syndrome testing					
Warburg Micro Syndrome Sequencing Panel**		1303	81407	8 weeks	\$1,500
Warburg Micro Syndrome Deletion/Duplication Panel		1304	81407	6 weeks	\$1,545
Warburg Micro Syndrome Comprehensive Panel**		1316	81479	8 weeks	\$2,500
Wiedemann-Steiner syndrome testing					
KMT2A (MLL) sequencing	Wiedemann-Steiner syndrome	1305	81407	4 weeks	\$1,000
KMT2A (MLL) deletion/duplication		1306	81406	4 weeks	\$1,000
Wilson Disease testing					
ATP7B sequencing	Wilson disease	1307	81406	4 weeks	\$1,000
ATP7B deletion/duplication		1308	81405	4 weeks	\$1,000
Wolcott-Rallison syndrome					
EIF2AK3 sequencing	Wolcott-Rallison syndrome	2165	81406	4 weeks	\$1,000
EIF2AK3 deletion/duplication		2166	81405	4 weeks	\$1,000
Wolfram syndrome testing					
Wolfram Syndrome Sequencing panel**		2167	81406	4 weeks	\$1,500
Wolfram Syndrome Deletion/Duplication panel		2168	81405	4 weeks	\$1,545
Woodhouse-Sakati syndrome testing					
DCAF17 sequencing		1309	81406	4 weeks	\$1,000
DCAF17 deletion/duplication		1310	81405	4 weeks	\$1,000
Targeted Testing					
Testing for a known mutation in additional family member by sequence analysis		7102	81403	3 weeks	\$500
Testing for a known mutation in additional family member by deletion/duplication analysis (MLPA or array-CGH)	gene specific	gene specific	gene specific	4 weeks	\$1,000
Prenatal Testing					
Prenatal testing for known mutation by sequence analysis		7104	81403	1 week	\$1,800
Prenatal testing for known deletion/duplication by MLPA		7105	81402	2 weeks	\$1,800
Prenatal testing for known deletion/duplication by real-time q-pcr		7106	81402	3 weeks	\$1,800
MISCELLANEOUS FEES					
STAT fee for known mutations, deletion/duplication testing, MS-MLPA or UPD**		n/a	99060	MAY CUT TAT IN HALF	\$200
STAT fee for full gene sequencing (single gene, requires prior approval)***		n/a	99060	MAY CUT TAT IN HALF	\$500
STAT fee for Next-Generation Sequencing panel (requires prior approval)***		n/a	99060	MAY CUT TAT IN HALF	\$1,000
Technical lab charge for initial processing of failed sample		n/a	99199	n/a	\$150
ROUTINE TESTS: 3-10cc of blood in a purple top (EDTA) tube					
PRENATAL: 20cc amniotic fluid, 25mgs chorionic villi, or 2 T25 flasks cultured cells, along with 3-10cc of mother's blood in an EDTA/purple top tube					
**Please note that we do not bill insurance directly for these specific tests. We apologize for the inconvenience.					
***Please note that STAT testing is not available for all tests. Please contact the laboratory for more information.					