Greenwood Diagnostic Labs

Giving Greater Care

CPT Code and Price List

2021 CPT Codes

Phone: 1-800-473-9411
Email: labgc@ggc.org

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Next Generation Sequencing Panels	# of Genes	CPT Code	Price
Aortic Dysfunction or Dilation and Related Disorders Panel	20 Genes	81410	$3,000
Bardet-Biedl Syndrome Panel	26 Genes	81479	$3,000
Brugada Syndrome Panel	18 Genes	81479	$3,000
Central Hypoventilation Panel	3 Genes	81479	$2,000
Charcot-Marie-Tooth Hereditary Neuropathy Panel	54 Genes	81448	$3,000
Cholestasis Panel	73 Genes	81404, 81405, 81406, 81407, 81408, 81479	$3,500
Coffin-Siris Syndrome Panel	22 Genes	81479	$3,000
Comprehensive Cardiac Panel	108 Genes	81413	$3,500
Comprehensive Pulmonary Panel	124 Genes	81479	$3,500
Cone-Rod Dystrophy Panel	37 Genes	81479	$3,000
Congenital Contractures Panel	57 Genes	81479	$3,000
Congenital Stationary Night Blindness Panel	15 Genes	81479	$2,500
Connective Tissue Disorders Panel	35 Genes	81410	$3,000
Cornelia de Lange Syndrome Panel	5 Genes	81479	$2,000
Craniosynostosis Panel	8 Genes	81479	$2,500
Dilated & Arrhythmogenic Cardiomyopathy Panel	51 Genes	81439	$3,000
Dyskeratosis Congenita Panel	14 Genes	81479	$2,500
Early Infantile Epileptic Encephalopathy Panel	86 Genes	81404x2, 81405x2, 81406x2, 81407, 81479	$3,500
Epilepsy/Seizure Panel	165 Genes	81419	$3,500
Familial Hypercholesterolemia Panel	4 Genes	81406x2, 81407, 81479	$2,000
Hearing Loss Panel	91 Genes	81430	$3,500
Hereditary Spastic Paraplegia Panel	79 Genes	81479	$3,500
Hermansky-Pudlak Syndrome & Pulmonary Fibrosis Panel	40 Genes	81479	$3,000
Hydrops, Non-immune Panel	87 Genes	81479	$3,500
Hypertrophic Cardiomyopathy Panel	24 Genes	81439	$3,000
Kallmann Syndrome & Hypogonadotrophic Hypogonadism Panel	39 Genes	81404x2, 81405, 81406x2, 81407, 81479	$3,000
Leber Congenital Amaurosis Panel	24 Genes	81479	$3,000
Long QT Syndrome Panel	18 Genes	81413	$3,000
Lysosomal Storage Disorder Panel	75 Genes	81479	$3,500
Macular Degeneration Panel	24 Genes	81479	$3,000
Maturity-onset Diabetes of the Young Panel (MODY)	14 Genes	81404, 81405, 81406, 81407, 81479	$2,500
Mitochondrial Depletion Panel	23 Genes	81479	$3,000
Neuromuscular Disorders Panel	144 Genes	81479	$3,500
Neuronal Ceroid Lipofuscinoses Panel	9 Genes	81479	$2,500
Ocular Albinism & Hermansky-Pudlak Syndrome Panel	18 Genes	81479	$3,000
Optic Atrophy and Early Glaucoma Panel	34 Genes	81479	$3,000
Overgrowth/Macrocephaly Panel	16 Genes	81479	$3,000
Periodioc Fever Panel	14 Genes	81404, 81479	$2,500
Peroxisomal Biogenesis Disorders Panel	11 Genes	81479	$2,500
Primary Ciliary Dyskinesia and Cystic Fibrosis Panel	42 Genes	81479	$3,000
Pulmonary Arterial Hypertension Panel	22 Genes	81479	$3,000
RASopathy Panel	23 Genes	81442	$3,000
Retinitis Pigmentosa Panel	92 Genes	81434	$3,500
Rett/Angelman Syndrome Panel	21 Genes	81479	$3,000
Rhabdomyolysis and Metabolic Myopathies Panel	47 Genes	81479	$3,000
Skeletal Dysplasia Panel	11 Genes	81479	$2,500
Surfactant Dysfunction and Respiratory Distress in Premature Infants Panel	11 Genes	81479	$2,500
Syndromic Autism Panel	83 Genes	81479	$3,500
Tuberous Sclerosis Complex Panel	2 Genes	81406, 81407	$2,000
Vascular Malformations Panel	21 Genes	81479	$3,000
X-Linked Intellectual Disability (XLID) Panel	114 Genes	81470	$3,500

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Sanger Sequencing Tests	Genes	CPT Code	Price
3-Methylcrotonylglycinuria I/II	*MCCC1/MCCC2*	81406x2	$1,000
Aarskog syndrome	*FGD1*	81479	$1,500
Adrenoleukodystrophy, X-linked	*ABCD1*	81405	$1,000
Alpha-mannosidosis	*MAN2B1*	81479	$1,500
Alpha-thalassemia X-Linked Intellectual Disability XLID	*ATR-X*	81479	$1,500
Angelman Syndrome	*UBE3A*	81406	$1,500
ARX-Related Spectrum of X-Linked Intellectual Disability XLID	*ARX*	81404	$1,000
Aspartylglucosaminuria	*AGA*	81479	$1,000
Beckwith-Wiedemann Syndrome	*CDKN1C*	81479	$500
Beta-mannosidosis	*MANBA*	81479	$1,000
Biotinidase Deficiency	*BTD*	81404	$1,000
Borjeson-Forssman-Lehmann syndrome	*PHF6*	81479	$1,000
Carnitine Palmitoyltransferase IA Deficiency	*CPT1A*	81406	$1,500
Carnitine Palmitoyltransferase II Deficiency	*CPT2*	81404	$1,000
CASK-related X-Linked Intellectual Disability (XLID)	*CASK*	81479	$1,500
CHD7-related disorders	*CHD7*	81407	$1,500
Citrullinemia, Type 1	*ASS1*	81406	$1,500
Coffin-Lowry syndrome	*RPS6KA3*	81479	$1,500
Congenital Disorder of Glycosylation 1a	*PMM2*	81479	$1,000
Congenital Disorder of Glycosylation 1b	*MPI*	81405	$1,000
Congenital Disorder of Glycosylation 1c	*ALG6*	81479	$1,000
Connexin 26	*GJB2*	81252	$500
Copper Transport Disorders	*ATP7A*	81479	$1,500
Cornelia de Lange Syndrome	*NIPBL*	81479	$1,500
Creatine Transporter Deficiency	*SLC6A8*	81479	$1,500
Cystic Fibrosis	*CFTR*	81223	$1,500
Fabry Disease	*GLA*	81405	$1,000
FGFR2- Related Disorders	*FGFR2*	81479	$1,200
FLNA-Related Disorders	*FLNA*	81479	$1,500
Fucosidosis	*FUCA1*	81479	$1,000
Galactosemia	*GALT*	81406	$1,000
Galactosialidosis	*CTSA*	81479	$1,200
Gaucher Disease	*GBA*	81479	$1,000
GLI3-Related Disorders	*GLI3*	81479	$1,500
Glutaric Acidemia, Type I	*GCDH*	81406	$1,000
Glycogen Storage Disease, Type 0	*GYS2*	81479	$1,200
Hunter Syndrome (MPS II)	*IDS*	81405	$1,000
Hurler Syndrome (MPS I)	*IDUA*	81406	$1,000
Kabuki Syndrome	*KMT2D*	81479	$1,500
Kabuki Syndrome 2	*KDM6A*	81479	$1,500
Krabbe Disease	*GALC*	81406	$1,000
Marfan Syndrome	*FBN1*	81408	$1,500
Maroteaux-Lamy Syndrome (MPS VI)	*ARSB*	81479	$800
Medium-chain acyl-CoA dehydrogenase (MCAD) Deficiency	*ACADM*	81479	$1,000
Metachromatic Leukodystrophy	*ARSA*	81405	$1,000
Morquio Syndrome A (MPS IVA)	*GALNS*	81479	$1,000
Morquio Syndrome B, GM1 Gangliosidosis (MPS IVB)	*GLB1*	81405	$1,000
Mucolipidosis II & III Alpha/Beta	*GNPTAB*	81479	$1,500
Mucolipidosis III Gamma	*GNPTG*	81479	$1,000

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Sanger Sequencing Tests Cont.	Genes	CPT Code	Price
Myotubular Myopathy, X-Linked	*MTM1*	81406	$1,500
Neuronal Ceroid Lipofuscinosis Type 1	*PPT1*	81479	$800
Neuronal Ceroid Lipofuscinosis Type 2	*TPP1*	81479	$1,000
Neuronal Ceroid Lipofuscinosis Type 3	*CLN3*	81479	$1,000
Niemann-Pick Disease A/B	*SMPD1*	81479	$800
Ornithine Transcarbamylase Deficiency	*OTC*	81405	$1,000
Pelizaeus-Merzbacher Disease, Spastic Paraplegia	*PLP1*	81405	$700
Phenylketonuria	*PAH*	81406	$1,000
POLG1-Related Disorders	*POLG1*	81406	$1,500
Pompe Disease, Glycogen Storage Disease Type II	*GAA*	81406	$1,000
Primary Carnitine Deficiency, Systemic	*SLC22A5*	81405	$1,000
PTEN-Related Disorders	*PTEN*	81321	$1,200
PTPN11- Related Disorders	*PTPN11*	81406	$1,000
Rett Syndrome	*MECP2*	81302	$900
Saethre-Chotzen Syndrome	*TWIST1*	81404	$350
Sandhoff Disease	*HEXB*	81479	$900
Sanfilippo Syndrome A (MPS IIIA)	*SGSH*	81479	$1,000
Sanfilippo Syndrome B (MPS IIIB)	*NAGLU*	81479	$1,200
Sanfilippo Syndrome C (MPS IIIC)	*HGSNAT*	81479	$1,500
Sanfilippo syndrome D (MPS IIID)	*GNS*	81479	$1,000
Schaaf-Yang Syndrome	*MAGEL2*	81479	$350
Short-Chain Acyl-CoA Dehydrogenase Deficiency	*ACADS*	81405	$1,000
Sialidosis	*NEU1*	81479	$800
Sly Syndrome (MPS VII)	*GUSB*	81479	$1,000
Sotos Syndrome	*NSD1*	81406	$1,500
Spinal Muscular Atrophy	*SMN1*	81336	$1,000
Succinyl CoA : 3-oxoacid CoA Transferase Deficiency	*OXCT1*	81479	$1,000
Tay – Sachs Disease	*HEXA*	81406	$1,000
TP63-Related Disorders	*TP63*	81479	$1,200
Very Long Chain Fatty Acid Deficiency	*ACADVL*	81406	$1,500
X-Linked Hydrocephalus	*L1CAM*	81407	$1,500
X-Linked Opitz G/BBB Syndrome	*MID1*	81479	$1,200

Deletion/Duplication (MLPA)	Genes	CPT Code	Price
Beckwith-Wiedemann Syndrome		81401	$600
Charcot-Marie-Tooth Disease Type 1A	*PMP22*	81324	$500
Cystic Fibrosis	*CFTR*	81222	$700
Duchenne/Becker Muscular Dystrophy	*DMD*	81161	$500
Familial Hypercholesterolemia	*LDLR*	81405	$500
Hunter Syndrome (MPS II)	*IDS*	81404	$500
Pelizaeus-Merzbacher Disease, Spastic Paraplegia	*PLP1*	81404	$500
Pompe Disease, Glycogen Storage Disease Type II	*GAA*	81479	$500
PTEN-Related Disorders	*PTEN*	81323	$500
Rett Syndrome	*MECP2*	81304	$500
Russell-Silver Syndrome		81401	$600
Saethre-Chotzen Syndrome	*TWIST1*	81403	$500
Sotos Syndrome	*NSD1*	81405	$500
Spinal Muscular Atrophy	*SMN1/SMN2*	81329	$600

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Mitochondrial Testing			
Common 29 mt DNA Variant Panel		81401x2, 81479	$1,400
Expanded 93 mtDNA Variant Panel		81401x2, 81479	$1,600
mtDNA Targeted Known Variant Analysis (no charge to test maternal sample of proband)		81403	$350
mtDNA Targeted Known Variant Analysis with Heteroplasmy		81403	$1,000

Methylation Analysis		CPT Code	Price
Angelman Syndrome : Methylation Analysis		81331	$350
Prader-Willi Syndrome : Methylation Analysis		81331	$350
Beckwith-Wiedemann Syndrome (BWS) : Methylation Specific MLPA		81401	$600
EpiSign Complete		81479	$1500
EpiSign Variant		81479	$1200
Russell-Silver Syndrome (RSS): Methylation Specific MLPA		81401	$600

Trinucleotide Repeat Analysis	Genes	CPT Code	Price
Fragile X Syndrome (see section below for prenatal test price)	*FMR1*	81243	$350
Myotonic Dystrophy (see section below for prenatal test price)	*DMPK*	81234	$350
Spinocerebellar Ataxia Type 1	*ATXN1*	81178	$500
Spinocerebellar Ataxia Type 2	*ATXN2*	81179	$500
Spinocerebellar Ataxia Type 3	*ATXN3*	81180	$500
Spinocerebellar Ataxia Type 6	*CACNA1A*	81184	$500
Spinocerebellar Ataxia Type 7	*ATXN7*	81181	$500
Spinocerebellar Ataxia Expansion Panel	*ATXN1, ATXN2, ATXN3, CACNA1A, ATXN7*	81178, 81179, 81180, 81181, 81184	$1,100

UPD		CPT Code	Price
Russell-Silver Syndrome (RSS) (see section below for prenatal test price)	Chromosome 7	81402	$500
Chromosome 14 UPD (see section below for prenatal test price)	Chromosome 14	81402	$500
Angelman/Prader-Willi Syndrome (see section below for prenatal test price)	Chromosome 15	81402	$500

Targeted Analysis (no charge to test parents of proband)	Genes	CPT Code	Price
Achondroplasia	*FGFR3*	81403	$350
Aminoglycoside-Induced Hearing Loss	*MT-RNR1*	81401	$350
Beare-Stevenson with Cutis Gyrata	*FGFR2*	81404	$500
Connexin 26	*GJB2*	81253	$350
Crouzon with Acanthosis Nigricans	*FGFR3*	81403	$350
Cystic Fibrosis	*CFTR*	81221	$350
Factor V Leiden Thrombophilia	*F5*	81241	$150
FGFR2- Related Disorders	*FGFR2*	81404	$500
Hemochromatosis	*HFE*	81256	$250
Hypochondroplasia	*FGFR3*	81403	$350
Non-Syndromic Craniosynostosis (also Muenke)	*FGFR3*	81403	$350
Prothrombin 20210A	*F2*	81240	$150
PTEN-Related Disorders	*PTEN*	81322	$350
Rett Syndrome	*MECP2*	81303	$350
Spinal Muscular Atrophy	*SMN1*	81337	$350
Thanatophoric Dysplasia Type I	*FGFR3*	81404	$500
Thanatophoric Dysplasia Type II	*FGFR3*	81403	$350
Known Familial Mutation	All Genes	81403	$350

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Prenatal Testing This is not a comprehensive list of available prenatal testing. Please contact lab for more information regarding prenatal samples.	Genes	CPT Code	Price
Achondroplasia	*FGFR3*	81403	$1,000
Beckwith-Wiedemann Methylation-Specific MLPA		81401	$1,000
Duchenne Muscular Dystrophy : Deletion/Duplication MLPA	*DMD*	81161	$1,000
Fragile X Trinucleotide Repeat Analysis	*FMR1*	81243	$1,000
Maternal Cell Contamination (MCC)		81265	$350
Myotonic Dystrophy Trinucleotide Repeat Analysis	*DMPK*	81234	$1,000
Prenatal Exome Sequencing, Duo Analysis		81415, 81416	Contact Lab
Prenatal Exome Sequencing, Trio Analysis		8415, 81416x2	Contact Lab
Spinal Muscular Atrophy : Deletion/Duplication MLPA	*SMN1/SMN2*	81329	$1,000
Targeted Analysis : Known Familial Mutation		81403	$1,000
Thanatophoric Dysplasia Type I & II	*FGFR3*	81403, 81404	$1,000
UPD (Chromosomes 7, 14, 15)		81402	$1,000

Focused Next Generation Sequencing		CPT Code	Price
Focused NGS (1-60 Genes)	Single Gene	Contact Lab	$1,500
	2-5 Genes	Contact Lab	$2,000
	6-15 Genes	Contact Lab	$2,500
	16-60 Genes	Contact Lab	$3,000

Whole Exome Sequencing		CPT Code	Price
Whole Exome Sequencing, Singleton Analysis		81415	Contact Lab
Whole Exome Sequencing, Duo Analysis		81415, 81416	Contact Lab
Whole Exome Sequencing, Trio Analysis		81415, 81416x2	Contact Lab
Whole Exome Sequencing Reanalysis		81417	Contact Lab

X-Inactivation Studies		CPT Code	Price
X-Inactivation Studes		81204	$350

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Biochemical Tests

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Individual Enzyme Analysis	Enzymes	CPT Code	Price
α-mannosidosis	α-mannosidase	82657	$200
Aspartylglucosaminuria	Aspartyglucosaminidase	82657	$200
β-mannosidosis	β-mannosidase	82657	$200
Biotinidase Deficiency	Biotinidase	82261	$200
Fabry Disease	α-galactosidase	82657	$200
Fucosidosis	α-fucosidase	82657	$200
Gaucher Disease	β-glucosidase	82963	$200
Hurler Syndrome (MPS I)	α-iduronidase	82657	$200
Hunter Syndrome (MPS II)	iduronate-2-sulfatase	82657	$200
Krabbe Disease	Galactocerebrosidase	82657	$200
Maroteaux-Lamy Syndrome (MPS VI)	Arylsulfatase B	82657	$200
Metachromatic Leukodystrophy	Arylsulfatase A	82657	$200
Morquio Syndrome A (MPS IVA)	N-acetyl-galactosamine-6-sulfatase	82657	$200
Morquio Syndrome B (MPS IVB), GM1 Gangliosidosis	β-galactosidase	82657	$200
Neuronal Ceroid Lipofuscinosis 1 (CLN1)	Palmitoyl-protein thioesterase 1	82657	$200
Neuronal Ceroid Lipofuscinosis 2 (CLN2)	Tripeptidyl peptidase 1	82657	$200
Niemann-Pick Disease A/B	Acid sphingomyelinase	82657	$200
Pompe Disease, Glycogen Storage Disease Type II	α-glucosidase	82657	$200
Sanfilippo Syndrome A (MPS IIIA)	Heparan-N-sulfatase	82657	$200
Sanfilippo Syndrome B (MPS IIIB)	N-acetyl-alpha-D-glucosaminidase	82657	$200
Sanfilippo Syndrome C (MPS IIIC)	Acetyl CoA : glucosamine N acetyl transferase	82657	$200
Sanfilippo Syndrome D (MPS IIID)	N-acetyl glucosamine-6-sulfatase	82657	$200
Schindler/Kanzaki Disease	N-acetyl-alpha galactosaminidase	82657	$200
Sialidosis	α-neuraminidase-sialidase	82657	$200
Sly Syndrome (MPS VII)	β-glucuronidase	82657	$200
Tay-Sachs/Sandhoff Disease	β-hexosaminidase	83080	$200

Enzyme Panels	Enzymes	CPT Code	Price
Hydrops : Enzyme Panel	α-neuraminidase/sialidase, β-galactosidase, β-glucosidase, β-glucuronidase	82657x4	$800
Lysosomal Storage Disease : Enzyme Panel	Acid sphingomyelinase, α-fucosidase, α-galactosidase, α-iduronidase, α-mannosidase, Arylsulfatase A, Aspartyglucosaminidase, β-galactosidase, β-glucosidase, β-hexosaminidase, β-mannosidase, Galactocerebrosidase, N-acetyl-α-galactosaminidase	82657x5	$1,000
Lysosomal Storage Disease : Enzyme Panel (DBS)	α-1,4-glucosidase, α-fucosidase, α-galactosidase, α-mannosidase, Acid sphingomyelinase, Aspartyglucosaminidase, β-galactosidase, β-glucosidase, β-mannosidase, Galactocerebrosidase, N-acetyl-α-galactosaminidase, Tripeptidyl-peptidase 1	82657x4	$800
Morquio Syndrome (MPS IV) : Enzyme Panel	β-galactosidase, N-acetyl-galactosamine-6-sulfatase	82657x2	$400
Mucolipidosis II/III DBS Screen, Dried Blood Spot	Acid sphingomyelinase, α-iduronidase, α-mannosidase, β-glucosidase	82657x2	$400
Mucolipidosis II/III Screen, Plasma	α-fucosidase, β-glucuronidase, Hexosaminidase	82657x2	$400
Mucopolysaccharidosis (MPS) : Enzyme Panel	α-iduronidase, Acetyl CoA: glucosamine N acetyl transferase, Arylsulfatase B, β-galactosidase, β-glucuronidase, Heparan-N-sulfatase, Iduronate-2-sulfatase, N-acetyl glucosamine-6-sulfatase, N-acetyl-alpha-D-glucosaminidase, N-acetyl-galactosamine-6-sulfatase	82657x5	$1,000

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Enzyme Panels Cont.	Enzymes	CPT Codes	Price
Mucopolysaccharidosis (MPS) : Enzyme Panel (DBS)	α-iduronidase, Iduronate-2-sulfatase, N-acetyl-alpha-galactosaminidase, N-acetyl glucosamine-6-sulfatase, β-galactosidase, Arylsulfatase B, β-glucuronidase	82657x4	$800
Multiple Sulfatase Deficiency : Enzyme Panel	Arylsulfatase B, Iduronate-2-sulfatase, N-acetyl-galactosamine-6-sulfatase	82657x2	$400
Neurological (Sphingolipidoses) : Enzyme Panel	α-galactosidase, Acid sphingomyelinase, Arylsulfatase A, β-galactosidase, β-glucosidase, β-hexosaminidase, Galactocerebrosidase, Palmitoyl-protein thioesterase 2, Tripeptidyl peptidase 1	82657x3	$600
Oligosaccharidoses : Enzyme Panel	α-fucosidase, α-mannosidase, α-neuraminidase-sialidase, Aspartyglucosaminidase, β-galactosidase, β-mannosidase, N-acetyl alpha galactosaminidase	82657x3	$600
Sanfilippo Syndrome (MPS III) : Enzyme Panel	Acetyl CoA: glucosamine N acetyl transferase, Heparan-N-sulfatase, N-acetyl glucosamine-6-sulfatase, N-acetyl-alpha-D-glucosaminidase	82657x4	$800

Biomarker/Monitoring Tests		CPT Code	Price
Gaucher Disease (Plasma)	Chitotriosidase	82657	$200
Hurler/Hunter Syndrome (MPS I/II) : Urine Monitoring	Total GAGs, DS, HS	83864x2	$300
Maroteaux-Lamy Syndrome (MPS VI) : Urine Monitoring	Total GAGs, DS	83864x2	$300
Morquio Syndrome (MPS IV) : Urine Monitoring	Total GAGs, KS, CS	83864x2	$300
Pompe Disease, Glycogen Storage Disease Type II, Urine Monitoring	Glucose Tetrasaccharide (Glc4)	82570, 83789	$202
Sanfilippo Syndrome (MPS III) : Urine Monitoring	Total GAGs, HS	83864x2	$300
Sly Syndrome (MPS VII) : Urine Monitoring	Total GAGs, DS, CS	83864x2	$300

Analyte Analysis		CPT Code	Price
Acylcarnitine profile		82017	$200
Amino Acid Quantitative Analysis (CSF, Plasma/Serum, Urine)		82139	$270
C5-DC (glutarylcarnitine) Analysis		82017, 82570	$242
Carnitine Analysis, Total and Free (Plasma)		82379	$120
Creatine Biosynthesis Testing : Creatine/GAA (Plasma)		82540, 82542	$148
Creatine Biosynthesis Testing : Creatine/Creatinine/GAA (Urine)		82570, 82540, 82542	$190
Creatine Transporter Deficiency : Creatine/Creatinine Analysis (Urine)		82570, 82540	$90
Galactose-1-Phosphate Analysis		84378	$200
Glucose Tetrasaccharide Analysis (Urine)		82570, 83789	$202
Homocysteine Analysis		83090	$100
Mucopolysaccharide (MPS) : Urine Analysis	Total GAGs, DS, CS, KS, HS	83864(x3)	$450
Oligosaccharide Urine Analysis		84377	$250
Organic Acid Analysis		83919	$231
Orotic Acid Analysis		83921	$100
Sialic Acid Analysis		84275	$200
Total Glycosaminoglycans (GAGs) Analysis		83864	$150
Tryptophan Analysis		82131	$100

Analyte Panels		CPT Code	Price
Biochemical Genetics Profile	Includes: Acylcarnitine profile, Amino acid (plasma), Carnitine Analysis, Total and Free, and Organic Acid Analysis. Each can be ordered separately	82017, 82139, 82379, 83919	$821
Storage Disease: Analyte Panel (urine)	Includes: Mucopolysaccharide (MPS) Urine Analysis, Oligosaccharide Urine Analysis, and Siaclic Acid Analysis. Each can be ordered separately	83864(x2), 84377, 84275	$750

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Cytogenetics

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Chromosome Analysis		CPT Code	Price
Chromosome Analysis (Amniotic Fluid)		88235, 88267, 88280, 88285x5, 88291	$992
Chromosome Analysis (Chorionic Villus Sampling (CVS))		88235, 88267, 88280, 88285x5, 88291	$992
Chromosome Analysis (POC)		88233x2, 88262, 88291	$1,046
Chromosome Analysis (Solid Tissue)		88233, 88262, 88291	$704*
Chromosome Analysis, High Resolution (Blood)		88230, 88262, 88289, 88291	$794
Chromosome Analysis, High Resolution, Rule Out Mosaic (Blood)		88230, 88263, 88285x5, 88289, 88291	$947
Chromosome Analysis, Routine (Blood)		88230, 88262, 88291	$602
Chromosome Analysis, Routine Rule Out Mosaic (Blood)		88230, 88263, 88285x5, 88291	$755
Chromosome Analysis, Routine Short Study (Blood)		88230, 88261, 88291	$530
Chromosome Analysis, Rule Out Mosaic (Amniotic Fluid)		88235, 88263, 88285x5, 88291	$827
Chromosome Analysis, Rule Out Mosaic (POC)		88233x2, 88263, 88285x5, 88291	$1,199
Chromosome Analysis, Rule Out Mosaic (Solid Tissue)		88233, 88263, 88285x5, 88291	$857*
Chromosome Analysis, Short Study (Amniotic Fluid)		88235, 88261, 88280, 88291	$692
Chromosome Analysis, Short Study (Chorionic Villus Sampling (CVS))		88235, 88261, 88280, 88291	$692
Chromosome Analysis, Short Study (POC)		88233x2, 88261, 88280, 88291	$1,064
Chromosome Analysis, Short Study (Solid Tissue)		88233, 88261, 88280, 88291	$722 *

*When sending multiple sample types, please use a multiplier equal to the number of samples submitted for CPT Code 88233.

Microarray Analysis		CPT Code	Price
CytoScan Xon Microarray : Single Gene Analysis		Contact Lab	$700
CytoScan Xon Microarray : 2-10 Genes		Contact Lab	$1,200
CytoScan Xon Microarray : More than 10 Genes		Contact Lab	$1,950
Pregnancy Loss Microarray		81229	$1,950
Prenatal Microarray		81229	$2,450
Targeted Infertility Microarray		81405	$1,000
Whole-Genome SNP Microarray : Cytoscan HD Microarray		81229	$1,950

Array Confirmation		CPT Code	Price
Array Confirmation : Family Studies No charge for parents if proband testing was performed at Greenwood		Contact Lab	$350

Cell Culture Only		CPT Code	Price
Cell Culture Only (Solid Tissue)		88233, 88240	$522
Cell Culture Only (Amniotic Fluid)		88235, 88240	$492
Cell Culture Only (Blood)		88230	$240
Cell Culture Only (Chorionic Villus Sampling (CVS))		88235, 88240	$492

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Cytogenetics

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FISH Analysis	Chromosomal Region	CPT Code	Price
Angelman Syndrome	15q11q13	88275, 88273, 88271, 88291	$584
Chromosome Enumeration Probes	Available for all chromosomes	Contact Lab	Contact Lab
DiGeorge/VCF	22q11.2	88275, 88273, 88271, 88291	$584
Disorders of Sexual Development	Includes SRY/Xcen & X/Y dual assay probes	88275x2, 88271x3, 88291	$934
Disorders of Sexual Development, Rule Out Mosaic (Buccal)	Includes SRY/Xcen & X/Y dual assay probes	88275x2, 88271x3, 88291	$884
Disorders of Sexual Development, Routine (Buccal)	Includes SRY/Xcen & X/Y dual assay probes	88275x2, 88271x3, 88291	$656
Kallmann Syndrome	Xp22.3	88275, 88273, 88271, 88291	$584
Miller-Dieker Syndrome	17p13	88275, 88273, 88271, 88291	$584
Prader-Willi Syndrome	15q11q13	88275, 88273, 88271, 88291	$584
Smith-Magenis Syndrome	17p11.2	88275, 88273, 88271, 88291	$584
Steroid Sulfatase Deficiency	Xp22.3	88275, 88273, 88271, 88291	$584
Trisomy 13 FISH, Rule Out Mosaic (Buccal)	13	88275x2, 88271x2, 88291	$758
Trisomy 18 FISH, Rule Out Mosaic (Buccal)	18	88275x2, 88271x2, 88291	$758
Trisomy 21 FISH, Rule Out Mosaic (Buccal)	21	88275x2, 88271x2, 88291	$758
Trisomy FISH Screen (13,18,21,X,Y) (Blood)	13,18,21,X,Y	88230, 88275x2, 88271x4, 88291	$1,074
Trisomy FISH Screen (13,18,21,X,Y) (Amniotic Fluid)	13,18,21,X,Y	88235, 88275, 88271x4, 88291	$1,144
Trisomy FISH Screen (13,18,21,X,Y) (Chrorionic Villus Sampling (CVS))	13,18,21,X,Y	88235, 88275x2, 88271x4, 88291	$1,372
Williams Syndrome	7q11.23	88275, 88273, 88271, 88291	$584
Wolf-Hirschhorn Syndrome	4p-	88275, 88273, 88271, 88291	$584

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Oncology

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Chromosome Analysis		CPT Code	Price
Chromosome Analysis : Bone Marrow		88237, 88264, 88291, 88280x2*	$890
Chromosome Analysis : Lymph Nodes		88237, 88264, 88291, 88280x2*	$890
Chromosome Analysis : Stimulated/Unstimluated		88237, 88264, 88291, 88280x2*	$890

*Prices & CPT Codes may vary based on findings

Microarray		CPT Code	Price
Acute Lymphocytic Leukemia (ALL)	Includes genomic gains, losses, and loss of heterozygosity	81406	$1,950
Acute Myelocytic Leukemia (AML)	Includes genomic gains, losses, and loss of heterozygosity	81406	$1,950
Chronic Lymphocytic Leukemia (CLL)	Trisomy 21, RB1 deletions, TP53 deletions, & ATM deletions	81406	$1,950
Chronic Myelocytic Leukemia (CML)	Includes genomic gains, losses, and loss of heterozygosity for cytogenetically normal CML	81406	$1,950

FISH Analysis/Panels		CPT Code	Price
Acute Lymphocytic Leukemia (ALL) Panel		88275x4, 88271x10, 88291	$2,222
Acute Myelocytic Leukemia (AML) Panel		88275x4, 88271x10, 88291	$2,222
Acute Promyelocytic Leukemia (APL) Panel		88275, 88271x2, 88291	$580
Chronic Lymphocytic Leukemia (CLL) Panel		88275x2, 88271x7, 88291	$1,388
Chronic Myelocytic Leukemia (CML) Panel		88275, 88271x2, 88291	$580
Chronic Myelomonocytic Leukemia (CMML) Panel		88275, 88271x2, 88291	$530
Multiple Myeloma/Plasma Cell Myeloma (PCM) Panel		88275x4, 88271x14, 88291	$2,726
Myelodysplastic States (MDS) Panel		88275x4, 88271x10, 88291	$2,222
Non-Hodgkins Lymphoma (NHL) Panel		88275x3, 88271x9, 88291	$1,868
Pediatric Acute Lymphoblastic Leukemia (P-ALL) Panel		88275x3, 88271x8, 88291	$1,742
Reflex Panel	IgH breakapart Includes t(8;14),t(14;18),t(11;14)	88275x2, 88271x7, 88291	$1,388

Individual Fish Probes			
ABL	(9q34)	88275, 88271x2, 88291	$530
ALK	(2p23)	88275, 88271x2, 88291	$530
AML1/ETO	t(8;21)	88275, 88271x2, 88291	$530
ATM	(11q22.3)	88275, 88271x2, 88291	$530
BCL2	(18q21)	88275, 88271x2, 88291	$530
BCL6	(3q27)	88275, 88271x2, 88291	$530
CCND1 xT	(11q13)	88275, 88271x2, 88291	$530
CDKN2A/p16	(9p21)	88275, 88271x2, 88291	$530
CBFB	(inv16)	88275, 88271x2, 88291	$530
C-MYC	(8q24)	88275, 88271x2, 88291	$530
CSF1R	(5q33-q34)	88275, 88271x2, 88291	$530
D7S486	(7q31)	88275, 88271x2, 88291	$530
D13S319	(13q14)	88275, 88271x2, 88291	$530
D20S108/MYBL2	(20q12/20q11.2)	88275, 88271x2, 88291	$530
ETV6/RUNX1	t(12;21)	88275, 88271x2, 88291	$530
IgH	(14q32)	88275, 88271x2, 88291	$530
IgH/BCL2	t(14;18)	88275, 88271x2, 88291	$530
IgH/CCND1	t(11;14)	88275, 88271x2, 88291	$530
IgH/MYC/CEP 8	t(8;14)	88275, 88271x3, 88291	$656
MLL	(11q23)	88275, 88271x2, 88291	$530
TP53/p53	(17p13.1)	88275, 88281x2, 88291	$530