Molecular Vision Laboratory, Inc.

www.mvisionlab.com

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Listed CPT codes and prices effective as of November 25, 2014 and are subject to change. Please visit our website, www.mvisionlab.com for the most current CPT codes and test prices. These prices are intended for Institutional, Self Pay, and Insurance clients.

We recommend running deletion and duplication testing through qPCR when mutations are known. We use TaqMan qPCR for specific mutation analysis. Array CGH is useful for analyzing deletions and duplications of many genes without needing to know a specific known mutation first, and it is a much more comprehensive test. The entire coding regions and exon/intron boundaries are covered by array (the density of probes varies depending upon sequence homology of the tested regions; some regions may not have coverage due to the presence of pseudogenes). Array CGH is priced at $650 and qPCR is priced at $450. If deletion/duplication is requested and no known mutation is listed, we will automatically run Array CGH analysis.

Segregation analysis on parents is included for free with the proband's testing when indicated. However, only one report will be issued. Specific mutation analysis on siblings and other family members can be perfomed for $250 for each patient.

***Next Generation Sequencing (NGS) tests highlighted**

DISEASE NAME	TEST PRICES
A	
Achromatopsia individual gene	
CNGA3 sequencing	$450
CNGB3 sequencing	$600
GNAT2 sequencing	$1,050
PDE6C sequencing	$650
PDE6H sequencing	$350
Achromatopsia Panel, 5 genes (NGS)	
CNGA3, CNGB3, GNAT2, PDE6C, PDE6H	$950
Alagille Syndrome 1	
JAG1 sequencing	$750
Alstrom Syndrome	
ALMS1 sequencing	$950
Anirdia	
PAX6 sequencing	$450
Anterior Segment Dysgenesis Panel, 13 genes (NGS)	
DCDC1, ELP4, FOXE3, PAX6, LAMB2, PITX2, PITX3, FOXC2, FOXC1, CYP1B1, COL4A1, BMP4, B3GALTL	$950
AJ Panel, mutations from 7 genes	

CLRN1-N48K, DHDDS-K42E, MAK-K429insAlu, FAM161A-c.1355-6delCA, FAM161A-c.1567C>T, LCA5-Q279X, PCDH15-R245X, CACNA2D4-delExon17-26, TRPM1-delExon2-7	$550
B	
Bardet-Biedl Syndrome	
BBS1 sequencing	$650
BBS2 sequencing	$550
BBS3/ARL6 sequencing	$400
BBS4 sequencing	$500
BBS5 sequencing	$450
BBS6/(MKKS) sequencing	$400
BBS7 sequencing	$600
BBS8 (TTC8) sequencing	$500
BBS9 sequencing	$600
BBS10 sequencing	$500
BBS11/TRIM32 sequencing	$400
BBS12 sequencing	$400
BBS13/MKS1 sequencing	$500
BBS14/CEP290 sequencing	$650
BBS15/WDPCP sequencing	$600
BBS16/SDCCAG8 sequencing	$600
Bardet-Biedl Syndrome Panel, 16 genes (NGS)	
BBS1, BBS2, BBS3, BBS4, BBS5, BBS6, BBS7, BBS8, BBS9, BBS10, BBS11, BBS 12, BBS13, BBS14, BBS15, BBS16	$1,500
Best Macular Dystrophy	
VMD2/BEST1 sequencing	$450
Bietti crystalline corneoretinal dystrophy (BCD)	
CYP4V2 sequencing	$450
Blau Syndrome	
NOD2 sequencing (NGS)	$500
BLOOM Syndrome	
BLM sequencing	$600
Blue Cone Monochromacy	
Locus Control Region (LCR) sequencing	$300
OPN1LW-OPN1MW sequencing	$400
Blue Cone Monochromacy (BCM) Panel, 2 genes	
Locus Control Region (LCR), OPN1LW-OPN1MW	$500
C	
Cerebrotendinous Xanthomatosis (CTX)	
CYP27A1 sequencing	$400

Chediak-Higashi Syndrome	
LYST/CHS1 sequencing	$950
Choroideremia	
CHM sequencing	$500
Cockayne Syndrome	
ERCC6 sequencing *done in Cockayne Syndrom panel	$500
ERCC8 sequencing	$450
Cockayne Syndrome Panel, 2 genes	
ERCC6, ERCC8	$500
Common Hearing Loss	
SLC26A4 sequencing	$500
GJB2 sequencing	$350
GBJ6 sequencing	$350
Common Hearing Loss Panel, 3 genes (NGS)	
SLC26A4, GJB2, GJB6	$650
Congenital Stationary Night Blindness(CSNB), Autosomal Domimant(AD)	
GNAT1 sequencing	$400
PDE6B sequencing	$650
RHO sequencing	$350
Congenital Stationary Night Blindness(CSNB), Autosomal Resessive(AR)	
CABP4 sequencing	$400
GNAT1 sequencing	$400
GPR179 sequencing	$700
GRK1 sequencing	$400
GRM6 sequencing	$500
LRIT3 sequencing	$450
RDH5 sequencing	$350
SAG sequencing	$500
SLC24A1 sequencing	$550
TRPM1 sequencing	$750
Congenital Stationary Night Blindness Panel(CSNB), 14 genes (NGS)	
CABP4, CACNA1F, GNAT1, GPR179, GRK1, GRM6, LRIT3, NYX, PDE6B, RDH5, RHO, SAG, SLC24A1, TRPM1	$950
Congenital Stationary Night Blindness (CSNB), X-linked	
CACNA1F sequencing	$900
NYX sequencing	$400
Cone-Rod/Cone Dystrophy, Autosomal Dominat	
AIPL1 sequencing	$400

CRX sequencing	$350
GUCA1A sequencing	$350
GUCY2D sequencing	$600
PITPNM3 sequencing	$600
PROM1 sequencing	$600
PRPH2/RDS sequencing	$350
RIMS1 sequencing	$800
SEMA4A sequencing	$500
UNC119 sequencing	$315
Cone-Rod/Cone Dystrophy, 26 genes (NGS)	
ABCA4, ADAM9, AIPL1, BEST1, c8ORF37, CACNA1F, CACNA2D4, CDHR1, CERKL, CNGB3, CNNM4, CRX, GUCA1A, GUCY2D, KCNV2, PDE6C, PDE6H PITPNM3, PROM1, PRPH2/RDS, RAX2, RDH5, RIMS1, RPGRIP1, SEMA4A, UNC119	$1,950
Cone-Rod/Cone Dystrophy, Autosomal Recessive	
ABCA4 sequencing (NGS)	$650
ADAM9 sequencing	$650
C8orf37 sequencing	$500
CACNA2D4 sequencing	$400
CERKL sequencing	$500
CDHR1 sequencing	$600
CNGB3 sequencing	$600
KCNV2 sequencing	$400
PDE6C sequencing	$650
RAX2 sequencing	$300
RDH5 sequencing	$350
RPGRIP1 sequencing	$700
Corneal Dystrophy	
CHST6 sequencing	$350
TGFBI sequencing	$600
D	
Doyne honeycomb retinal dystrophy	
EFEMP1 sequencing	$400
E	
Ectopia Lentis et Pupillae	
ADAMTSL4 sequencing	$550
Enhanced S-Cone Syndrome	
NR2E3 sequencing	$400
Epithelial Basement Membrane Corneal Dystrophy	
TGFBI sequencing	$600
G	
Glaucoma 1	
MYOC sequencing	$400

Glaucoma 3	
CYP1B1 sequencing	$400
H	
Hereditary hemorrhagic telangiectasia SMAD4 sequencing	$450
Hereditary hemorrhagic telangiectasia panel, 3 genes (NGS)	
ENG, ACVRL1, SMAD4	$650
Hermansky-Pudlak Syndrome 1 (HPS1)	
HPS1 sequencing	$500
HPS1 common Puerto Rican mutation	$250
Hermansky-Pudlak Syndrome 2 (HPS2)	
AP3B1 sequencing	$700
Hermansky-Pudlak Syndrome 3 (HPS3)	
HPS3 sequencing	$550
HPS3 common Puerto mutation	$250
HPS3 common AJ mutation	$250
Hermansky-Pudlak Syndrome 4 (HPS4)	
HPS4 sequencing	$500
Hermansky-Pudlak Syndrome 5 (HPS5)	
HPS5 sequencing	$600
Hermansky-Pudlak Syndrome 6 (HPS6)	
HPS6 sequencing	$350
Hermansky-Pudlak Syndrome 7 (HPS7)	
DTNBP2 sequencing	$450
Hermansky-Pudlak Syndrome 8 (HPS8)	
BLOC1S3 sequencing	$300
Hermansky-Pudlak Syndrome 9 (HPS9)	
PLDN sequencing	$450
Hermansky-Pudlak Syndrome and Oculocutaneous Albinism, 15 genes (NGS)	
HPS1, HPS2, HPS3, HPS4, HPS5, HPS6, HPS7, HPS8, HPS9, OCA1, OCA2, OCA3, OCA4, OA1, LYST	$1,500
Hirschsprung Disease	
RET sequencing	$650
EDNRB sequencing	$400
EDN3 sequencing	$350
Hirschsprung Disease Panel, 3 genes (NGS)	
RET, EDNRB, EDN3	$650

Hearing Loss and Deafness Autosomal Recessive Nonsyndromic	
USH1C sequencing	$700
***also available - Common Hearing Loss Panel**	
I	
Incontinentia pigmenti	
IKBKG sequencing and common deletion analysis	$450
infantile nystagmus, X-limked	
FRMD7 sequencing	$500
J	
Jalili Syndrome	
CNNM4 sequencing	$450
Joubert Syndrome Panel, 18 genes (NGS)	
CEP290, NPHP1, OFD1, AHI1, RPGRIP1L, ARL13B, C5ORF42, CC2D2A, CEP41, INPP5E, KIF7, TCTN1, TCTN2, TMEM138, TMEM216, TMEM237, TMEM67, TTC21B	$1,950
L	
late-onset retinal degeneration (LORD)	
C1QTNF5 sequencing	$300
Leber Congenital Amaurosis (LCA)	
AIPL1 sequencing	$400
CABP4 sequencing	$400
CEP290 sequencing	$900
CRB1 sequencing	$600
CRX sequencing	$350
GUCY2D sequencing	$600
IMPDH1 sequencing	$550
IQCB1 sequencing	$500
KCNJ13 sequencing	$350
LCA5 sequencing	$450
LCA5 common AJ mutation	$300
LRAT sequencing	$300
NMNAT1 sequencing	$400
OTX2 sequencing	$350
RD3 sequencing	$300
RDH12 sequencing	$400
RPE65 sequencing	$500
RPGRIP1 sequencing	$700
SPATA7 sequencing	$500
TULP1 sequencing	$500
Leber Congenital Amaurosis Panel (LCA), 19 genes (NGS)	

AIPL1, CABP4, CEP290, CRB1, CRX, GUCY2D, IMPDH1, IQCB1, LCA5, LRAT, OTX2, RD3, RDH12, RPE65, RPGRIP1, SPATA7, TULP1, KCNJ13, NMNAT1	$1,800
M	
Macular Degeneration Type 5, Age Related	
ERCC6 sequencing	$700
Meckel Syndrome	
CEP290 sequencing	$950
Mucopolysaccharidosis type I (MPS I)	
IDUA sequencing	$500
N	
Norrie Disease	
NDP sequencing	$300
Neurofibromatosis panel (NGS), 3 genes	
KIT, NF1, SPRED1	$950
Neuronal Ceroid-Lipofuscinosis 1	
PPT1/CLN1	$450
Neuronal Ceroid-Lipofuscinosis 2	
TPP1/CLN2	$500
Neuronal Ceroid-Lipofuscinosis 3	
CLN3	$500
Neuronal Ceroid-Lipofuscinosis 4	
DNAJC5/CLN4	$350
Neuronal Ceroid-Lipofuscinosis 5	
CLN5	$350
Neuronal Ceroid-Lipofuscinosis 6	
CLN6	$400
Neuronal Ceroid-Lipofuscinosis 7	
MFSD8	$500
Neuronal Ceroid-Lipofuscinosis 8	
CLN8	$350
Neuronal Ceroid-Lipofuscinosis 10	
CTSD/CLN10	$450
Neuronal Ceroid-Lipofuscinosis (NCL) Panel, 9 genes	
PPT1/CLN1, TPP1/CLN2, CLN3, DNAJC5/CLN4, CLN5, CLN6, MFSD8, CLN8, CTSD/CLN10	$950
Nystagmus 1, Congenital, X-L	
FRMD7 sequencing	$500
O	
Occult Macular Dystrophy	
RP1L1 sequencing (NGS)	$500

Oculocutaneous Albinism Type 1A & 1B (OCA1)	
TYR sequencing	$400
Oculocutaneous Albinism Type 2 (OCA2)	
P-gene sequencing	$650
Oculocutaneous Albinism Type 3 (OCA3)	
TYRP1 sequencing	$400
Oculocutaneous Albinism Type 4 (OCA4)	
MATP sequencing	$400
Ocular Albinism, X-linked (XLOA)	
GPR143 (OA1) sequencing	$400
Oculocutaneous Albinism panel - see Hermansky-Pudlak Syndrome	$1,500
Optic Atrophy Panel, 2 genes, (NGS)	
OPA1, OPA3	$500
Oral-facial-digital syndrome 1	
OFD1 sequencing	$750
Osteogenesis Imperfecta	
COL1A1 sequencing	$750
COL1A2 sequencing	$800
Osteogenesis Imperfecta Panel, 4 genes, (NGS)	
COL1A1, COL1A2, CTAP, LEPRE1	$950
P	
Pattern Dystrophy	
PRPH2/RDS sequencing	$350
Pendred Syndrome	
SLC26A4	$500
Piebald Trait	
KIT sequencing *done with Neurofibromatosis panel unless otherwise noted	$650
SNAI2 sequencing	$300
R	
Refsum disease	
PEX7 sequencing	$450
PHYH sequencing	$450
Retinal Dystrophy Panel, 127 genes, (NGS)	
The Retinal Dystrophy Panel is a new NGS 127 gene panel we have developed in order to offer a comprehensive gene testing option for our clients. For a list of genes in this panel, please download the "Retinal Dystrophy Panel Gene List" pdf from our website.	**$2,500**

Retinitis Pigmentosa Panel,*See Retinal Dystrophy Panel**	
Retinoschisis, X-Linked Juvenile	
RS1 sequencing	$350
Rubenstein-Taybi Syndrome	
Rubinstein-Taybi Syndrome panel (NGS), 3 genes	
CREBBP, EP300, SRCAP	$950
CREBBP sequencing	$750
EP300 sequencing	$750
S	
Schnyder Corneal Dystrophy	
UBIAD1 sequencing	$350
Senior-Loken Syndrome	
Senior-Loken Syndrome panel, 4 genes	
CEP290, IQCB1, NPHP1, NPHP4	$950
Sengers Syndrome	
AGK	$600
Septooptic Dysplasia	
HESX1 sequencing	$300
OTX2 sequencing	$350
Septo-optic dysplasia (SOD) panel (NGS), 4 genes	
HESX1, OTX2, SOX2, PAX6	$650
Stargardt Disease	
Stargardts/Macular Dystrophy panel, 8 genes	
ABCA4, BEST1, EFEMP1, ELOVL4, IMPG1, IMPG2, PROM1, RDS	$500
ELOVL4 sequencing	$400
ABCA4 sequencing (*done in Stargardt panel)	$650
T	
Tyrosinemia, Type II	
TAT sequencing	$450
Tuberous Sclerosis	
Tuberous Sclerosis Panel	
TSC1, TSC2	$650
U	
Usher Syndrome Type 1B	
MYO7A sequencing	$650
Usher Syndrome Type 1C	
USH1C sequencing	$500
Usher Syndrome Type 1D	
CDH23 sequencing	$500
Usher Syndrome Type 1F	
PCDH15 sequencing	$500

PCDH15 common AJ mutation (R245X)	$350
Usher Syndrome Type 1G	
USH1G sequencing	$400
Usher Syndrome Type 1J	
USH1J/CIB2	$400
Usher Syndrome Type 2A	
USH2A sequencing (NGS)	$650
Usher Syndrome Type 2C	
GPR98 sequencing	$650
Usher Syndrome Type 2D	
DFNB31 sequencing	$500
Usher Syndrome Type 3A	
CLRN1 sequencing	$350
Usher Syndrome Type 3B	
HARS sequencing	$500
Usher Syndrome Panel, 13 genes (NGS)	
ABHD12, CDH23, CLRN1, DFNB31, GPR98, HARS/USH3B, MYO7A, PCDH15, PDZD7, USH1C, USH1G, USH2A, USH1J/CIB2	$1,950
W	
Waardenburg Syndrome Type I or Type III	
PAX3 sequencing	$450
Waardenburg Syndrome Type IIA	
MITF sequencing	$500
Waardenburg Syndrome Type IID	
SNAI2 sequencing	$300
Waardenburg Syndrome Type IIE	
SOX10 sequencing	$300
Waardenburg Syndrome Type IVA	
EDNRB sequencing	$400
Waardenburg Syndrome Type IVB	
EDN3 sequencing	$350
Waardenburg Syndrome Panel, 7 genes	
EDN3, EDNRB, MITF, PAX3, RET, SNAI2, SOX10	$1,500
Wolfram Syndrome	
WFS1 sequencing	$500
Miscellaneous Tests	
Array CGH Analysis	$650
Deletion/Duplication, qPCR Analysis of Copy Number Variations	$450
Maternal Cell Contamination (MCC) Study (required for all prenatal tests)	$350

Prenatal test: 1 known mutation (also order MCC)	$500
Prenatal test: 2 known mutations (also order MCC)	$800
Sequencing (for any gene not listed): contact director for approval and pricing.	Variable
Specific Mutation Analysis: 1-2 mutations	$250
*** Segregation analysis on parents included for free with child's testing when indicated. However, only one report will be issued. Specific mutation analysis on siblings and other family members can be perfomed for $250 for each patient.**	

Last updated 11/25/14