Molecular Vision Laboratory, Inc.

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Listed CPT codes and prices effective as of January 14th, 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.

***All single genes highlighted in green are also available in the NGS disease panel.**

TEST NAME	SEQ PRICE	SEQ CPT CODES	qPCR ANALYSIS DEL/DUP CPT CODES
A			
ABCA4 sequencing (*tested and analyzed in the Stargardt panel unless otherwise noted)	$500	81479	81406
ABHD12 sequencing	$500	81406	81405
ADAM9 sequencing	$650	81406	81405
ADAMTSL4 sequencing	$550	81406	81405
AGK sequencing	$600	81405	81404
AHI 1sequencing	$850	81407	81406
AIPL1 sequencing	$400	81405	81404
ALMS1 sequencing	$950	81406	81405
AP3B1 (HPS2) sequencing	$700	81407	81406
ASCC3L1/SNRNP200 sequencing	$900	81407	81406
B			
BBS1 sequencing	$650	81406	81405
BBS2 sequencing	$550	81406	81405
BBS3/ARL6 sequencing	$400	81405	81404
BBS4 sequencing	$500	81406	81405
BBS5 sequencing	$450	81406	81405
BBS6/(MKKS) sequencing	$400	81405	81404
BBS7 sequencing	$600	81406	81405
BBS8 (TTC8) sequencing	$500	81406	81405
BBS9 sequencing	$600	81406	81405
BBS10 sequencing	$500	81404	81403
BBS11/TRIM32 sequencing	$400	81404	81403
BBS12 sequencing	$400	81404	81403
BBS13/MKS1 sequencing	$500	81406	81405

BBS15/WDPCP sequencing	$600	81406	81405
BBS16/SDCCAG8 sequencing	$600	81406	81405
BEST1 (VMD2) sequencing	$450	81405	81404
BLM sequencing	$700	81209	81405
BLOC1S3 sequencing	$300	81404	81403
C			
C1QTNF5 sequencing	$300	81406	81405
c2orf71 sequencing	$500	81404	81403
C8orf37 sequencing	$500	81405	81404
CA4 sequencing	$400	81405	81404
CABP4 sequencing	$400	81405	81404
CACNA1F sequencing	$900	81407	81406
CACNA2D4 sequencing	$400	81407	81406
CDH23 sequencing	$500	81406	81407
CDHR1 sequencing	$600	81406	81405
CEP290 sequencing (NGS)	$650	81479	81407
CERKL sequencing	$500	81406	81405
CHM sequencing	$500	81406	81405
CHS1 (LYST) sequencing	$950	81408	81407
CHST6 sequencing	$350	81404	81403
CIB2/USH1J sequencing	$400	81405	81404
CLN3 sequencing	$500	81406	81405
CLN5 sequencing	$350	81404	81403
CLN6 sequencing	$400	81405	81404
CLN8 sequencing	$850	81404	81403
CLRN1 sequencing	$350	81404	81403
CNGA1 sequencing	$450	81405	81404
CNGA3 sequencing	$450	81405	81404
CNGB1 sequencing	$700	81407	81406
CNGB3 sequencing	$600	81406	81405
CNNM4 sequencing	$450	81405	81404
COL1A1 sequencing	$750	81408	81407
COL1A2 sequencing	$800	81408	81404
CRB1 sequencing	$600	81405	81404
CREBBP sequencing	$750	81407	81406
CRX sequencing	$350	81404	81403
CTSD/CLN10 sequencing	$450	81405	81404
CYP1B1sequencing	$400	81404	81403
CYP27A1 sequencing	$400	81405	81404
CYP4V2 sequencing	$450	81405	81404
D			
DFNB31 sequncing	$500	81406	81405
DHDDS sequencing	$400	81405	81404
DNAJC5/CLN4	$350	81405	81404
DTNBP1 sequencing	$450	81405	81404
E			
EDN3 sequencing	$350	81404	81403
EDNRB sequencing	$400	81405	81404
EFEMP1 sequencing	$400	81406	81405
ELOVL4 sequencing	$400	81405	81404
EP300 sequencing	$750	81407	81406
ERCC6 sequencing (*tested and analyze in the Cockayne panel unless otherwise noted)	$500	81479	81405

ERCC8 sequencing (*tested and analyzed in the Cockayne panel unless otherwise noted)	$500	81479	81404
EYS sequencing	$950	81407	81406
F			
FAM161A sequencing	$450	81405	81404
FRMD7 sequencing	$500	81404	81405
FSCN2 sequencing	$400	81404	81403
G			
GJB2 sequencing	$350	81404	81403
GJB6 sequencing	$350	81404	81403
GNAT1 sequencing	$400	81405	81404
GNAT2 sequencing	$400	81405	81404
GPR98 sequencing (NGS)	$650	81479	81404
GPR143 (OA1) sequencing	$400	81405	81404
GPR179 sequencing	$700	81406	81407
GRK1 sequencing	$400	81405	81404
GRM6 sequencing	$500	81405	81404
GUCA1A sequencing	$350	81405	81404
GUCA1B sequencing	$350	81404	81403
GUCY2D sequencing	$600	81406	81405
H			
HARS/USH3B sequencing	$500	81406	81405
HESX1 sequencing	$300	81404	81403
HPS1 common Puerto Rican mutation	$250	81402	N/A
HPS1 sequencing	$500	81406	81405
HPS2/AP3B1 sequencing	$700	81407	81406
HPS3 common AJ mutation	$250	81402	N/A
HPS3 common Puerto Rican mutation	$250	81402	N/A
HPS3 sequencing	$550	81406	81405
HPS4 sequencing	$500	81406	81405
HPS5 sequencing	$600	81406	81405
HPS6 sequencing	$350	81403	81402
HPS7 sequencing	$450	81405	81404
HPS8 sequencing	$300	81404	81403
I			
IDH3B sequencing	$400	81406	81405
IDUA sequencing	$500	81406	81405
IKBKG sequencing and analysis of the common deletion by long range PCR	$450	81405	81404
IMPDH1 sequencing	$550	81406	81405
IMPG2 sequencing	$650	81406	81405
IQCB1 sequencing	$500	81406	81405
J			
JAG1 sequencing	$750	81407	81406
K			
KCNJ13 sequencing	$350	81404	81403
KCNV2 sequencing	$400	81404	81403
KIT sequencing	$650	81406	81405
KLHL7 sequencing	$450	81406	81405

L			
Locus Control Region (LCR)	$300	81404	81403
LCA5 common AJ mutation	$250	81402	N/A
LCA5 sequencing	$450	81405	81404
LRAT sequencing	$300	81404	81403
LRIT3 sequencing	$450	81404	81403
LYST (CHS1) sequencing	$950	81408	81407
M			
MAK sequencing	$500	81406	81405
MAK (LYS 429 Alu insertion)	$250	81406	81405
MATP (*OCA4; SLC45A2*)	$400	81405	81404
MERTK sequencing	$650	81406	81405
MFSD8 sequencing	$500	81406	81405
MITF sequencing	$500	81406	81404
MYOC sequencing	$400	81404	81403
MYO7A sequencing (NGS)	$650	81479	81406
N			
NDP sequencing	$300	81404	81403
NF1 sequencing (*tested and analyzed in the Neurofibromatosis panel unless otherwise noted)	$950	81479	81407
NMNAT1 sequencing	$300	81404	81403
NOD2 sequencing (NGS)	$500	81479	81405
NPHP1 sequencing	$600	81406	81405
NPHP4 sequencing	$650	81407	81406
NR2E3 sequencing	$400	81405	81404
NRL sequencing	$300	81405	81404
NYX sequencing	$400	81404	81403
O			
OA1 (GPR143) sequencing	$400	81405	81404
OCA1 (TYR) sequencing	$400	81404	81403
OCA2 (P gene) sequencing	$650	81406	81405
OCA3 (TYRP1) sequencing	$400	81405	81404
OCA4 (SLC45A2; MATP) sequencing	$400	81405	81404
OFD1 sequencing	$750	81406	81405
OPA1 sequencing (NGS)	$500	81479	81406
OPN1LW-OPN1MW	$400	81405	81404
OTX2 sequencing	$350	81404	81403
P			
PAX3 sequencing	$450	81405	81404
PAX6 sequencing	$450	81406	81405
PCDH15 sequencing	$500	81407	81406
PDE6A sequencing	$600	81406	81405
PDE6B sequencing	$650	81406	81405
PDE6C sequencing	$650	81406	81405
PDE6G sequencing	$300	81404	81403
PDE6H sequencing	$350	81404	81403
PEX7 sequencing	$450	81406	81405
P-gene (*OCA2*) sequencing	$650	81406	81405
PHYH sequencing	$450	81405	81404
PLDN/HPS9 sequencing	$450	81404	81403
PITPNM3 sequencing	$600	81406	81405
PPT1/CLN1	$450	81405	81405
PRCD sequencing	$300	81405	81404

PROM1 sequencing	$700	81407	81406
PRPF3 sequencing	$500	81406	81405
PRPF31 sequencing	$500	81406	81405
PRPF6 sequencing	$600	81406	81405
PRPF8 sequencing	$850	81407	81406
PRPH2/RDS sequencing	$350	81404	81403
R			
RAX2 sequencing	$300	81404	81403
RBP3 sequencing	$400	81404	81403
RD3 sequencing	$300	81404	81403
RDH12 sequencing	$400	81405	81404
RDH5 sequencing	$350	81404	81403
RecQL3 (BLM) sequencing	$700	81209	81405
RET sequencing	$650	81406	81405
RGR sequencing	$500	81405	81404
RHO sequencing	$350	81404	81403
RIMS1 sequencing	$800	81407	81406
RLBP1 sequencing	$400	81405	81404
ROM1 sequencing	$350	81404	81403
RP1 sequencing	$700	81404	81403
RP1L1 sequencing (NGS)	$500	81479	81403
RP2 sequencing	$350	81404	81403
RP9 sequencing	$350	81405	81404
RPE65 sequencing	$500	81406	81405
RPGRIP1 sequencing	$700	81406	81405
RS1 sequencing	$350	81405	81404
S			
SAG sequencing	$500	81406	81405
SEMA4A sequencing	$500	81406	81405
SLC24A1 sequencing	$550	81405	81404
SLC26A4 sequencing	$500	81405	81404
SLC38A8 sequencing	$450	81405	81404
SLC45A2 (*OCA4* ; *MATP*) sequencing	$400	81405	81404
SMAD4 sequencing	$450	81406	81405
SNAI2 sequencing	$300	81404	81403
SOX10 sequencing	$300	81404	81403
SOX2 sequencing	$300	81403	81402
SPATA7 sequencing	$500	81406	81405
SRCAP sequecing *refer to the Rubinstein-Taybi Syndrome panel	$900	81407	81406
SPRED1 sequencing (*tested and analyzed in the Neurofibromatosis panel unless otherwise noted)	$900	81479	81404
T			
Tyrosinemia II-TAT sequencing	$450	81406	81405
TGFBI sequencing	$600	81404	81403
TIMP3 sequencing	$450	81404	81403
TOPORS sequencing	$500	81404	81403
TPP1/CLN2	$500	81406	81405
TRPM1 sequencing	$750	81407	81406
TSPAN12 sequencing	$450		
TTC8 sequencing	$500	81406	81405
TULP1 sequencing	$500	81406	81405
TYR (OCA1) sequencing	$400	81406	81405

TYRP1 (*OCA3*) sequencing	$400	81405	81404
U			
UBIAD1 sequencing	$350	81404	81403
UNC119 sequencing	$315	81404	81403
USH1C sequencing	$700	81407	81406
USH1G sequencing	$400	81404	81403
USH1J/CIB2 sequencing	$400	81405	81404
USH2A sequencing (NGS)	$650	81479	81407
V			
VMD2/BEST1 sequencing	$450	81405	81404
VPS13B sequencing	$650	81408	81407
W			
WFS1 sequencing	$500	81404	81403
Z			
ZNF513 sequencing	$400	81404	81403

Panels			
Achromatopsia panel (NGS), 5 genes (CNGA3, CNGB3, GNAT2, PDE6C, PDE6H)	$950	81479	N/A
AJ panel, 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	81407	N/A
Developmental Eye Disease Panel, 13 genes, (DCDC1, ELP4, FOXE3, PAX6, LAMB2, PITX2, PITX3, FOXC2, FOXC1, CYP1B1, COL4A1, BMP4, B3GALTL)	$950	81479	N/A
Bardet-Biedl Syndrome (BBS1 - BBS16) panel (NGS)	$1,500	81479	N/A
Blue Cone Monochromacy (BCM) Panel (NGS), 2 genes (Locus Control Region, OPN1LW-OPN1MW)	$500	81479	N/A
Cockayne Sydrome Panel, 2 genes (ERCC6, ERCC8)	$500	81479	N/A
Common Hearing Loss Panel, 3 genes (SLC26A4, GJB2, GJB6)	$650	81479	N/A

Cone-Rod Dystrophy panel (NGS), 26 genes (ABCA4, ADAM9, AIPL1, BEST1/VMD2, 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	81479	N/A
Congenital Stationary Night Blindness (CSNB) panel (NGS), 14 genes (CABP4, CACNA1F, GNAT1, GPR179, GRK1, GRM6, LRIT3, NYX, PDE6B, RDH5, RHO, SAG, SLC24A1, TRPM1)	$950	81479	N/A
Hermansky-Pudlak Syndrome and Oculocutaneous Albinism panel (NGS), 15 genes (HPS1, HPS2, HPS3, HPS4, HPS5, HPS6, HPS7, HPS8, HPS9, OCA1, OCA2, OCA3, OCA4, OA1, LYST1)	$1,500	81479	N/A
Hirschprung Disease Panel (NGS), 3 genes (RET, EDNRB, EDN3)	$650	81479	N/A
Joubert Syndrome Panel, 18 genes, (CEP290, NPHP1, OFD1, AHI1, RPGRIP1L, ARL13B, C5ORF42, CC2D2A, CEP41, INPP5E, KIF7, TCTN1, TCTN2, TMEM138, TMEM216, TMEM237, TMEM67, TTC21B)	$1,950	81479	N/A
Leber Congenital Amaurosis (LCA) panel (NGS), 19 genes (AIPL1, CABP4, CEP290, CRB1, CRX, GUCY2D, IMPDH1, IQCB1, KCNJ13, LCA5, LRAT, NMNAT1, OTX2, RD3, RDH12, RPE65, RPGRIP1, SPATA7, TULP1)	$1,800	81479	N/A
Neurofibromatosis panel (NGS), 3 genes, KIT, NF1, SPRED1	$950	81479	N/A
Neuronal Ceroid-Lipofuscinosis (NCL) panel, 9 genes (PPT1/CLN1, TPP1/CLN2, CLN3, DNAJC5/CLN4, CLN5, CLN6, MFSD8, CLN8, CTSD/CLN10)	$950	81479	N/A
Optic Atrophy Panel, 2 genes, (OPA1, OPA3)	$500	81479	N/A

Retinal Dystrophy Panel, 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	81479	N/A
Retinitis Pigmentosa (RP) panel, ***see Retinal Dystrophy Panel	N/A	N/A	N/A
Rubinstein-Taybi Syndrome panel (NGS), 3 genes CREBBP, EP300, SRCAP	$950	81479	N/A
Senior-Loken Syndrome panel, 4 genes (CEP290, IQCB1, NPHP1, NPHP4)	$1,500	81479	N/A
Septo-optic dysplasia (SOD), 4 genes (HESX1, OTX2, SOX2, PAX6)	$650	81479	N/A
Stargardt/Macular Dystrophy panel, 8 genes (ABCA4, BEST1, EFEMP1, ELOVL4, IMPG1, IMPG2, PROM1, RDS)	$500	81479	N/A
Tuberous Sclerosis (TSC) Panel, 2 genes (TSC1, TSC2)	$650	81479	N/A
Usher Syndrome panel (NGS), 13 genes (ABHD12, CDH23, CLRN1, DFNB31, GPR98, HARS/USH3B, MYO7A, PCDH15, PDZD7, USH1C, USH1G, USH2A, USH1J/CIB)	$1,950	81479	N/A
Waardenburg Syndrome panel, 7 genes (EDN3, EDNRB, MITF, PAX3, RET, SNAI2, SOX10)	$1,500	81479	N/A
X-Linked RP Panel, 4 genes, (RPGR, ORF15, RP2, OFD1)	$950	81479	N/A
Micellaneous Tests			
Array CGH Analysis	$650	81228	N/A
Deletion/Duplication, qPCR Analysis of Copy Number Variations	$450	N/A	N/A
Maternal Cell Contamination (MCC) Study (required for all prenatal tests)	$350	N/A	N/A
Prenatal test: 1 known mutation (also order MCC)	$500	N/A	N/A
Prenatal test: 2 known mutations (also order MCC)	$800	N/A	N/A

Sequencing (for any gene not listed): contact director for approval and pricing.	Variable	N/A	N/A
Specific Mutation Analysis: 1-2 mutations	$250	81402	N/A
*** 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 3/21/2016