

## MVL - Institutional & Self-Pay Test Price List

*\*All prices are for institutional clients and self-pay ONLY. A \$500 fee will be assessed for individuals paying with insurance.*

PANELS		
TEST NAME	SEQ PRICE*	CPT CODE
Achromatopsiapanel (NGS), 6 genes (ATF6, CNGA3, CNGB3, GNAT2, PDE6C, PDE6H)	\$950	81479
Ashkenazi Jewish panel, 7 genes (CLRN1-N48K, DHDDS-K42E, MAK-K429insAlu, FAM161A-c.1355-6delCA, FAM161Ac.1567C>T, LCA5-Q279X, PCDH15-R245X, CACNA2D4-delExon17-26, TRPM1-delExon2-7)	\$550	81407
Bardet-Biedl Syndrome panel (NGS) 23 genes (ARL6, BBIP1, BBS1, BBS2, BBS4,BBS5, BBS7, BBS9, BBS10, BBS12, C8ORF37,CEP290, IFT172, IFT27, INPP5E, KCNJ13, LZTFL1,MKKS, MKS1, NPHP1, SDCCAG8, TRIM32, TTC8)	\$1,500	81479
Blue Cone Monochromacy (BCM) Panel (NGS), 2 genes (Locus Control Region, OPN1LW-OPN1MW)	\$500	81479
Cockayne Sydrome Panel, 2 genes (ERCC6, ERCC8)	\$500	81479
Common Hearing Loss Panel, 3 genes (SLC26A4, GJB2, GJB6)	\$650	81479
Cone-Rod Dystrophy panel (NGS), 33 genes (AIPL1, CRX, GUCA1A, GUCY2D, PITPNM3, PROM1, PRPH2, RIMS1, SEMA4A, UNC119, ABCA4, ADAM9, ATF6, C21ORF2, C8ORF37,CACNA2D4, CDHR1, CERKL, CNGA3, CNGB3, CNNM4, GNAT2, KCNV2, PDE6C, PDE6H, POC1B, RAB28, RAX2, RDH5, RPKGRI1, TTLL5, CACNA1F, RPGR)	\$1,950	81479
Congenital Stationary Night Blindness (CSNB) panel (NGS), 14 genes (GNAT1, PDE6B, RHO, CABP4, GPR179, GRK1, GRM6,LRIT3, RDH5, SAG, SLC24A1, TRPM1, CACNA1F, NYX)	\$950	81479
Developmental Eye Disease (also includes Anterior Segment Dysgenesis) panel v4: 59 genes (ABCB6, ALDH1A3, ATOH7, B3GALTL, BCOR, BMP4, c12orf57, CASK, CHD7, COL4A1, COX7B, CRX, CYP1B1, DCDC1, ELP4, FKRP, FKTN, FOXC1, FOXC2, FOXE3, GDF3, GDF6, HESX1, HMGB3, ISPD, LAMB2, LARGE, LHX2, MAB21L2, MFRP, NAA10, NDP, NKX5-3, OTX2, PAX2, PAX6, PITX2, PITX3, POMT1, POMT2, PRSS56, RAX, RAB3GAP1, RAB3GAP2, RAB18, RARB, SHH, SIX3, SIX6, SLC25A1, SNX3, SOX2, SOX3, STRA6, TENM3, TMEM98, VAX1, VSX2, ZEB2)	\$950	81479
FEVR Panel 5 genes (NDP, FDZ4, LRP5, TSPAN12 and ZNF408)	\$650	81479
Hermansky-Pudlak Syndrome/Oculocutaneous Albinism/Pigmentation panel (NGS), 30 genes (OA1, OCA1, OCA2, OCA3, OCA4, c10orf11, HPS1, HPS2, HPS3, HPS4, HPS5, HPS6, HPS7, HPS8, HPS9, SLC24A5, SLC38A8, SLC45A2, LYST, EDN3, EDNRB, MITF, PAX3, RET, SNAI2, SOX10, KIT, MLPH, MYO5A, RAB27A)	\$1,500	81479
Hirschprung Disease Panel (NGS), 3 genes (RET, EDNRB, EDN3)	\$650	81479

Joubert Syndrome Panel, 25 genes, (AHI1, ARL13B, B9D1, C5ORF42, CC2D2A, CEP290, CEP41, CSPP1, IFT172, INPP5E, KIF7, MKS1, NPHP1, NPHP3, OFD1/CXORF5, RPGRIP1L, TCTN1, TCTN2, TCTN3, TMEM138, TMEM216, TMEM231, TMEM237, TMEM67, TTC21B)	\$1,950	81479
Leber Congenital Amaurosis (LCA) panel (NGS), 24 genes (CRX, IMPDH1, OTX2,AIPL1, CABP4, CEP290, CRB1, CRX, DTHD1, GDF6, GUCY2D, IFT140, IQCB1, KCNJ13, LCA5, LRAT, NMNAT1, PRPH2, RD3, RDH12, RPE65, RPGRIP1, SPATA7, TULP1)	\$1,800	81479
Neurocutaneous panel v2: 7 genes (NF1, NF2, KIT, SPRED1, TSC1, TSC2, VHL)	\$650	81479
Neurofibromatosis panel (NGS), 3 genes (KIT, NF1, SPRED1)	\$950	81479
Neuronal Ceroid-Lipofuscinosis (NCL) panel, 9 genes (PPT1/CLN1, TPP1/CLN2, CLN3, DNAJC5/CLN4, CLN5, CLN6, MFSD8, CLN8, CTSD/CLN10)	\$950	81479
North Carolina Macular Dystrophy - PRDM13 5' Chr6, V1 chr6:100040906 G>T, V2: :chr6:100040987 G>CV3, chr6:100041040 C>T)	\$350	81402
Osteogenesis Imperfecta (OI) 4 genes (CPL1A1, COL1A2, CRTAP, LEPRE1/P3H1)	\$950	81479
Optic Atrophy Panel, 2 genes, (OPA1, OPA3)	\$500	81479
Retinal Dystrophy Panel - This NGS 280 gene panel offers a comprehensive gene testing option. See the complete list of genes here.	\$2,500	81479
Retinitis Pigmentosa (RP) panel - see Retinal Dystrophy Panel	\$2,500	81479
Rubinstein-Taybi Syndrome panel (NGS), 3 genes CREBBP, EP300, SRCAP	\$950	81479
Senior-Loken Syndrome panel, 4 genes (CEP290, IQCB1, NPHP1, NPHP4)	\$1,500	81479
Septo-optic dysplasia (SOD), 4 genes (HESX1, OTX2, SOX2, PAX6)	\$650	81479
Stargardt/Macular Dystrophy panel, 13 genes (ABCA4, BEST1, CDH3, DRAM2, EFEMP1, ELOVL4, IMPG1, IMPG2, PROM1, RDS, RP1L1, TIMP3, TTL5)	\$500	81479
Tuberous Sclerosis (TSC) Panel, 2 genes (TSC1, TSC2)	\$650	81479
Usher Syndrome panel (NGS), 13 genes (ABHD12, CDH23, CEP250, CIB2,CLRN1, GPR98, DFNB31, HARS, MYO7A, PCDH15,USH1C, USH1G, USH2A)	\$1,950	81479
Vitreoretinopathies panel v1: 19 genes (COL2A1, COL4A3, COL4A4, COL4A5, COL9A1, COL9A2, COL11A1, COL11A2, COL18A1, FZD4, KCNJ13, LRP5, NDP, VCAN, TSPAN12, CAPN5, ZNF408, KIF11, ATOH7)	\$950	81479
Waardenburg Syndrome panel, 7 genes (EDN3, EDNRB, MITF, PAX3, RET, SNAI2, SOX10)	\$1,500	81479
X-Linked RP Panel, 6 genes, (RPGR, ORF15, RP2, OFD1, RS1, CHM)	\$950	81479
<b>SINGLE-GENE SEQUENCING</b>		
<b>A</b>		
ABCA4 sequencing (*tested and analyzed in theStargardtpanel unless otherwise noted)	\$500	81479
ABHD12 sequencing	\$500	81406
ADAM9 sequencing	\$650	81406

ADAMTSL4 sequencing	\$550	81406
AGK sequencing	\$600	81405
AHI 1sequencing	\$850	81407
AIPL1 sequencing	\$400	81405
ALMS1 sequencing	\$950	81406
AP3B1 (HPS2) sequencing	\$700	81407
ASCC3L1/SNRNP200 sequencing	\$900	81407
<b>B</b>		
BBS1sequencing	\$650	81406
BBS2 sequencing	\$550	81406
BBS3/ARL6 sequencing	\$400	81405
BBS4 sequencing	\$500	81406
BBS5 sequencing	\$450	81406
BBS6/MKKS sequencing	\$400	81405
BBS7 sequencing	\$600	81406
BBS8 /TTC8 sequencing	\$500	81406
BBS9 sequencing	\$600	81406
BBS10 sequencing	\$500	81404
BBS11/TRIM32 sequencing	\$400	81404
BBS12 sequencing	\$400	81404
BBS13/MKS1 sequencing	\$500	81406
BBS15/WDPKP sequencing	\$600	81406
BBS16/SDCCAG8 sequencing	\$600	81405
BEST1/VMD2 sequencing	\$450	81405
BLM sequencing	\$700	81209
BLOC1S3 sequencing	\$300	81404
<b>C</b>		
C1QTNF5 sequencing	\$300	81406
C2ORF71 sequencing	\$500	81404
C8ORF37 sequencing	\$500	81405
CA4 sequencing	\$400	81405
CABP4 sequencing	\$400	81405
CACNA1F sequencing	\$900	81407
CACNA2D4 sequencing	\$400	81407
CDH23 sequencing	\$500	81406
CDHR1 sequencing	\$600	81406
CEP290 sequencing (NGS)	\$650	81479
CERKL sequencing	\$500	81406
CHM sequencing	\$500	81406
CHS1/LYST sequencing	\$950	81408
CHST6 sequencing	\$350	81404
CIB2/USH1J sequencing	\$400	81405
CLN3 sequencing	\$500	81406
CLN5 sequencing	\$350	81404
CLN6 sequencing	\$400	81405
CLN8 sequencing	\$850	81404

CLRN1 sequencing	\$350	81404
CNGA1 sequencing	\$450	81405
CNGA3 sequencing	\$450	81405
CNGB1 sequencing	\$700	81407
CNGB3 sequencing	\$600	81406
CNNM4 sequencing	\$450	81405
COL1A1 sequencing	\$750	81408
COL1A2 sequencing	\$800	81408
CRB1 sequencing	\$600	81405
CREBBP sequencing	\$750	81407
CRYAA sequencing	\$350	81405
CRX sequencing	\$350	81404
CTSD/CLN10 sequencing	\$450	81405
CYP1B1sequencing	\$400	81404
CYP27A1 sequencing	\$400	81405
CYP4V2 sequencing	\$450	81405
<b>D</b>		
DFNB31sequencing	\$500	81406
DHDDSsequencing	\$400	81405
DNAJC5/CLN4	\$350	81405
DTNBP1sequencing	\$450	81405
<b>E</b>		
EDN3sequencing	\$350	81404
EDNRBsequencing	\$400	81405
EFEMP1 sequencing	\$400	81406
ELOVL4sequencing	\$400	81405
EP300sequencing	\$750	81407
ERCC6sequencing (*tested and analyze in the Cockayne panel unless otherwise noted)	\$500	81479
ERCC8sequencing (*tested and analyzed in the Cockayne panel unless otherwise noted)	\$500	81479
EYSsequencing	\$950	81407
<b>F</b>		
FAM161Asequencing	\$450	81405
FRMD7sequencing	\$500	81404
FSCN2sequencing	\$400	81404
<b>G</b>		
GJB2 sequencing	\$350	81404
GJB6 sequencing	\$350	81404
GNAT1sequencing	\$400	81405
GNAT2sequencing	\$400	81405
GPR98sequencing (NGS)	\$650	81479
GPR143/OA1 sequencing	\$400	81405
GPR179sequencing	\$700	81406
GRK1sequencing	\$400	81405
GRM6sequencing	\$500	81405
GUCA1Asequencing	\$350	81405

GUCA1Bsequencing	\$350	81404
GUCY2Dsequencing	\$600	81406
<b>H</b>		
HARS/USH3Bsequencing	\$500	81406
HESX1sequencing	\$300	81404
HPS1common Puerto Rican mutation	\$250	81402
HPS1sequencing	\$500	81406
HPS2/AP3B1sequencing	\$700	81407
HPS3 common AJ mutation	\$250	81402
HPS3 common Puerto Rican mutation	\$250	81402
HPS3 sequencing	\$550	81406
HPS4 sequencing	\$500	81406
HPS5 sequencing	\$600	81406
HPS6 sequencing	\$350	81403
HPS7 sequencing	\$450	81405
HPS8 sequencing	\$300	81404
<b>I</b>		
IDH3B sequencing	\$400	81406
IDUA sequencing	\$500	81406
IKBKG sequencing and analysis of the common deletion by long range PCR	\$450	81405
IMPDH1sequencing	\$550	81406
IMPG2sequencing	\$650	81406
IQCB1sequencing	\$500	81406
<b>J</b>		
JAG1sequencing	\$750	81407
<b>K</b>		
KCNJ13 sequencing	\$350	81404
KCNV2sequencing	\$400	81404
KITsequencing	\$650	81406
KLHL7sequencing	\$450	81406
<b>L</b>		
Locus Control Region (LCR)	\$300	81404
LCA5common AJ mutation	\$250	81402
LCA5sequencing	\$450	81405
LRATsequencing	\$300	81404
LRIT3sequencing	\$450	81404
LYST (CHS1)sequencing	\$950	81408
<b>M</b>		
MAK sequencing	\$500	81406
MAK(LYS 429Aluinsertion)	\$250	81406
MATP(OCA4; SLC45A2)	\$400	81405
MERTKsequencing	\$650	81406
MFSD8 sequencing	\$500	81406
MITFsequencing	\$500	81406
MYOC sequencing	\$400	81404

MYO7Asequencing (NGS)	\$650	81479
<b>N</b>		
NDPsequencing	\$300	81404
NF1 sequencing (*tested and analyzed in the Neurofibromatosis panel unless otherwise noted)	\$950	81479
NMNAT1 sequencing	\$300	81404
NOD2 sequencing (NGS)	\$500	81479
NPHP1sequencing	\$600	81406
NPHP4sequencing	\$650	81407
NR2E3sequencing	\$400	81405
NRLsequencing	\$300	81405
NYXsequencing	\$400	81404
<b>O</b>		
OA1/GPR143 sequencing	\$400	81405
OCA1/TYR sequencing	\$400	81404
OCA2/P gene sequencing	\$650	81406
OCA3/TYRP1 sequencing	\$400	81405
OCA4/SLC45A2/MATP sequencing	\$400	81405
OFD1 sequencing	\$750	81406
OPA1 sequencing (NGS)	\$500	81479
OPN1LW-OPN1MW	\$400	81405
OTX2 sequencing	\$350	81404
<b>P</b>		
PAX3sequencing	\$450	81405
PAX6sequencing	\$450	81406
PCDH15sequencing	\$500	81407
PDE6Asequencing	\$600	81406
PDE6Bsequencing	\$650	81406
PDE6Csequencing	\$650	81406
PDE6Gsequencing	\$300	81404
PDE6Hsequencing	\$350	81404
PEX7sequencing	\$450	81406
PHYHsequencing	\$450	81405
PLDN/HPS9sequencing	\$450	81404
PITPNM3sequencing	\$600	81406
PPT1/CLN1	\$450	81405
PRCDsequencing	\$300	81405
PROM1sequencing	\$700	81407
PRPF3sequencing	\$500	81406
PRPF31sequencing	\$500	81406
PRPF6sequencing	\$600	81406
PRPF8sequencing	\$850	81407
PRPH2/RDSsequencing	\$350	81404
<b>R</b>		
RAX2sequencing	\$300	81404
RBP3sequencing	\$400	81404

RD3sequencing	\$300	81404
RDH12sequencing	\$400	81405
RDH5sequencing	\$350	81404
RecQL3 (BLM) sequencing	\$700	81209
RET sequencing	\$650	81406
RGRsequencing	\$500	81405
RHOsequencing	\$350	81404
RIMS1sequencing	\$800	81407
RLBP1sequencing	\$400	81405
ROM1sequencing	\$350	81404
RP1sequencing	\$700	81404
RP1L1 sequencing (NGS)	\$500	81479
RP2sequencing	\$350	81404
RP9sequencing	\$350	81405
RPE65sequencing	\$500	81406
RPGRIP1sequencing	\$700	81406
RS1sequencing	\$350	81405
<b>S</b>		
SAGsequencing	\$500	81406
SEMA4Asequencing	\$500	81406
SLC24A1sequencing	\$550	81405
SLC26A4 sequencing	\$500	81405
SLC38A8 sequencing	\$450	81405
SLC45A2/OCA4/MATP sequencing	\$400	81405
SMAD4 sequencing	\$450	81406
SNAI2sequencing	\$300	81404
SOX10sequencing	\$300	81404
SOX2sequencing	\$300	81403
SPATA7sequencing	\$500	81406
SRCAPsequencing*refer to the Rubinstein-Taybi Syndrome panel	\$900	81407
SPRED1sequencing (*tested and analyzed in the Neurofibromatosis panel unless otherwise noted)	\$900	81479
<b>T</b>		
TyrosinemiaII-TAT sequencing	\$450	81406
TGFBI sequencing	\$600	81404
TIMP3 sequencing	\$450	81404
TOPORS sequencing	\$500	81404
TPP1/CLN2	\$500	81406
TRPM1 sequencing	\$750	81407
TSPAN12 sequencing	\$450	
TTC8 sequencing	\$500	81406
TULP1 sequencing	\$500	81406
TYR/OCA1 sequencing	\$400	81406
TYRP1/OCA3 sequencing	\$400	81405
<b>U</b>		
UBIAD1 sequencing	\$350	81404

UNC119 sequencing	\$315	81404
USH1C sequencing	\$700	81407
USH1G sequencing	\$400	81404
USH1J/CIB2 sequencing	\$400	81405
USH2A sequencing (NGS)	\$650	81479
<b>V</b>		
VMD2/BEST1 sequencing	\$450	81405
VPS13B sequencing	\$650	81408
<b>W</b>		
WFS1sequencing	\$500	81404
<b>Z</b>		
ZNF513sequencing	\$400	81404
<b>OTHER TESTS</b>		
Array CGH Analysis	\$650	81228
Deletion/Duplication, qPCR Analysis of Copy Number Variations	\$450	N/A
Maternal Cell Contamination (MCC) Study (required for all prenatal tests)	\$350	N/A
Prenatal test: 1 known mutation (also order MCC)	\$500	N/A
Prenatal test: 2 known mutations (also order MCC)	\$800	N/A
Sequencing (for any gene not listed): contact director for approval and pricing.	<i>Variable</i>	N/A
Specific Mutation Analysis: 1-2 mutations	\$250	81402

Updated: 10/14/16