PREVENTION GENETICS

*DISEASE PREVENTION THROUGH GENETIC TESTING*

# VISION DISORDERS

| Test No. | Test Name | Price |
|---|---|---|
| | **Achromatopsia** | |
| 3265 | NextGen Panel<br>*CNGA3, CNGB3, GNAT2, PDE6C, PDE6H* | $1440 |
| | **Alagille Syndrome** | |
| 4341 | NextGen Panel<br>*JAG1, NOTCH2* | $1440 |
| | **Alport Syndrome** | |
| 1388 | NextGen Panel<br>*COL4A3, COL4A4, COL4A5, COL4A6* | $1540 |
| | **Alstrom Syndrome** | |
| 265 | *ALMS1* | $1850 |
| | **Anophthalmia/Microphthalmia** | |
| 2637 | NextGen Panel<br>*ALDH1A3, BCOR, BMP4, BMP7, HCCS, MITF, RAX, SIX6, SOX2, STRA6, VSX2, TENM3, FOXE3, GDF6, CRYBA4, OTX2, SMOC1* | $1490 |
| | **Ataxia with Oculomotor Apraxia** | |
| 2615 | NextGen Panel<br>*APTX, PIK3R5, SETX* | $1440 |
| | **Axenfeld–Rieger Syndrome** | |
| 1995 | NextGen Panel<br>*COL4A1, CYP1B1, FOXC1, PAX6, PITX2, SH3PXD2B* | $1790 |
| | **Bardet-Biedl Syndrome** | |
| 1053 | NextGen Panel<br>*BBS1, BBS2, ARL6, BBS4, BBS5, MKKS, MKS1, BBS7, TTC8, BBS9, BBS10, TRIM32, BBS12, CEP290, SDCCAG8, TMEM67, WDPCP, IFT27, LZTFL1, BBIP1* | $1690 |

## ABOUT US:

### YOUR COMPREHENSIVE SOLUTION

As your single source genetic testing partner, PreventionGenetics adds value to your patients' care and also helps you gain efficiencies to save time and money.

- Comprehensive Test Menu: we offer NextGen sequencing disease panels, single gene Sanger sequencing, and copy number variation testing.
- Flexible Billing Options: we offer three payment options including insurance pre-authorization services. We will process insurance claims with any insurance company on your patients' behalf.
- Utilization Management (UM): we will support your UM objectives; PreventionGenetics has saved over $1.3 million each year in healthcare dollars through our UM efforts.
- Outstanding Customer Care: free consultation from our Ph.D. Molecular Geneticists and Genetic Counselors.
- DNA Banking Services: indefinite storage of DNA for a one-time fee, no annual storage fees.

**PUT US TO THE TEST**

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|---|---|---|
| | **Blepharophimosis-Ptosis-Epicanthus Inversus Syndrome** | |
| 1673 | *FOXL2* | $610 |
| | **Branchio-Oculo-Facial Syndrome** | |
| 1672 | *TFAP2A* | $680 |
| | **Cerebrotendinous Xanthomatosis** | |
| 1670 | *CYP27A1* | $750 |
| | **CHARGE Syndrome** | |
| 880 | Sequencing Panel<br>*CHD7, SEMA3E* | $2920 |
| | **Cockayne Syndrome** | |
| 3075 | *ERCC6* | $1290 |
| 1009 | *ERCC8* | $840 |
| | **Cone-Rod Dystrophy** | |
| 1337 | NextGen Panel<br>*ABCA4, ADAM9, AIPL1, C21orf2, C8orf37, CABP4, CACNA1F, CACNA2D4, CDHR1, CERKL, CNGB3, CNNM4, CRX, GUCA1A, GUCY2D, KCNV2, PDE6C, PITPNM3, PROM1, PRPH2, RAX2, RDH5, RIMS1, RPGRIP1, SEMA4A, UNC119* | $1690 |
| | **Congenital Cataract** | |
| 1668 | *NHS* | $1100 |
| 1983 | NextGen Panel<br>*CRYAB, CRYBB2, CRYBA4, CRYGS, CRYGC, FOXE3, PITX3, CHMP4B, GJA3, MIP, EPHA2, BFSP2, SLC33A1, MAF, CRYBA1 (also known as CRYBA3), GJA8, CRYAA, HSF4, CRYGD, AGK, CRYBB3, FYCO1, GCNT2, LIM2, SIL1, TDRD7, BFSP1, PXDN, CRYBB1* | $1890 |
| | **Congenital Stationary Night Blindness** | |
| 4319 | NextGen Panel<br>*CABP4, CACNA1F, CACNA2D4, CHM, GNAT1, GPR179, GRM6, LRIT3, NYX, PDE6B, RDH5, RHQ, RPE65, SAG, SLC24A1, TRPM1* | $1590 |

| Test No. | Test Name | Price |
|---|---|---|
| | **Congenital Fibrosis of Extraocular Muscles** | |
| 2019 | *TUBB3* | $540 |
| | **Corneal Dystrophy** | |
| 1541 | *CYP4V2* | $870 |
| 1822 | *CHST6* | $370 |
| 1819 | *TACSTD2* | $540 |
| 1680 | *TGFBI* | $1020 |
| 1820 | *UBIAD1* | $580 |
| 1677 | *SLC4A11* | $1060 |
| 1676 | *VSX1* | $650 |
| | **Cystinosis** | |
| 1561 | *CTNS* | $810 |
| 1636 | *CTNS* deletion | $490 |
| | **Dystroglycan-Related Congenital Muscular Dystrophy** | |
| 1303 | NextGen Panel<br>*B3GALNT2, B4GAT1, DAG1, DPM1, DPM3, FKRP, FKTN, GMPPB, GOSR2, ISPD, LARGE, POMGNT1, POMGNT2, POMK, POMT1, POMT2, TMEM5* | $1840 |
| | **Ectopia Lentis** | |
| 1542 | *ADAMTSL4* | $1190 |
| 3057 | *FBN1* | $1290 |
| | **Fish-Eye Disease** | |
| 2012 | *LCAT* | $650 |
| | **Flecked Retina Disorder** | |
| 4321 | NextGen Panel<br>*ABCA4, CHM, EFEMP1, ELOVL4, LRAT, PLA2G5, PROM1, PRPH2, RDH5, RHO, RS1, VPS13B, RLBP1* | $1790 |
| | **Fraser Syndrome** | |
| 2651 | NextGen Panel<br>*FRAS1, FREM1, FREM2, GRIP1* | $1490 |

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|---|---|---|
| | **Glaucoma** | |
| 1544 | *CYP1B1* | $650 |
| 3223 | *LTBP1* | $1290 |
| 1993 | NextGen Panel<br>*COL4A1, CYP1B1, FOXC1, LMX1B, LTBP2, MFRP, MYOC, OPTN, PAX6, PITX2, SH3PXD2B, WDR36* | $1940 |
| | **Harboyan Syndrome** | |
| 1677 | *SLC4A11* | $1060 |
| | **Hermansky-Pudlak Syndrome** | |
| 1915 | NextGen Panel<br>*AP3B1, BLOC1S3, BLOC1S6, DTNBP1, HPS1, HPS3, HPS4, HPS5, HPS6* | $1490 |
| | **Hypomelination and Congenital Cataract** | |
| 1669 | *FAM126A* | $780 |
| | **Knobloch Syndrome** | |
| 641 | *COL18A1* | $1750 |
| | **Meckel-Gruber Syndrome** | |
| 1057 | NextGen Panel<br>*AHI1, ARL13B, B9D1, B9D2, CForf42, CC2D2A, CEP290, CEP41, CSPP1, INPP5E, KIF14M, KIF7, MKS1, NPHP1, NPHP3, OFD1, PDE6D, RPGRIP1L, TCTN1, TCTN2,TCTN3, TMEM138, TMEM216, TMEM231, TMEM237, TMEM67, TTC21B, ZNF423* | $1890 |
| | **Leber Congenital Amaurosis** | |
| 4313 | NextGen Panel<br>*AIPL1, CABP4, CEP290, CNGA3,CNGB3, CRB1, CRX, GNAT2, GUCY2D, DTHD1, IMPDH1, INPP5E, IQCB1, KCNJ13,LCA5, LRAT, MERTK, NMNAT1, OTX2, PRPH2, PDE6H, RD3, RDH12, RPE65, RPGRIP1, SNRNP200, SPATA7, TULP1* | $1690 |
| | **Lowe Syndrome and Dent Disease** | |
| 1640 | *OCRL* | $1280 |

| Test No. | Test Name | Price |
|---|---|---|
| | **Manitoba Oculotrichoanal Syndrome (MOTA)** | |
| 3782 | *FREM1* (exons 8-23 deletion) | $250 |
| | **Megalocornea (X-Linked)** | |
| 1679 | *CHRDL1* | $810 |
| | **Mitochondrial Genome Maintenance/Integrity** | |
| 1399 | NextGen Panel<br>*AGK, APTX, C10orf2, DGUOK, DNA2, FBXL4, MFN2, MGME1, MPV17, OPA1, OPA3, POLG, POLG2, RRM2B, SLC25A3, SLC25A4, SPG7, SUCLA2, SUCLG1, SUCLG2, TK2, TYMP* | $1540 |
| | **Neuronal Ceroid-Lipofuscinosis (Batten Disease)** | |
| 1909 | NextGen Panel<br>*ATP13A2, CLN3, CLN5, CLN6, CLN8, CTSD, CTSF, DNAJC5, GRN, KCTD, MFSD8, PPT1, TPP1* | $1490 |
| | **Oculocutaneous Albinism** | |
| 3738 | *OCA2* Known Intragenic gross deletion | $490 |
| 1937 | NextGen Panel<br>*C10orf11, GPR143, HPS6, LYST, MC1R, MITF, MYO5A, OCA2, RAB27A, SLC24A5, SLC45A2, TYR, TYRP1* | $1440 |
| | **Oculodentodigital Dysplasia** | |
| 1506 | *GJA1* | $250 |
| | **Oculofaciocardiodental Syndrome and Lenz Microphthalmia** | |
| 949 | *BCOR* | $1250 |
| | **Optic Atrophy** | |
| 1901 | NextGen Panel<br>*ACO2, AUH, C12orf65, CISD2, MFN2, MTPAP, NDUFS1, NR2F1, OPA1, OPA3, POLG, SLC24A1, SPG7, TIMM8A, TMEM126A, WFS1* | $1590 |

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| | **Peroxisome Biogenesis Disorders, Zellweger Syndrome Spectrum** | |
| 1901 | NextGen Panel<br>*PEX1, PEX2, PEX3, PEX5, PEX6, PEX10, PEX11B, PEX12, PEX13, PEX14, PEX16, PEX19, PEX26, DNM1L, ABCD1, PEX7, GNPAT, AGPS, PHYH, ABCD3, HSD17B4, ACOX1* | $1690 |
| | **Peters Plus Syndrome** | |
| 1671 | *B3GLCT* | $1060 |
| | **Retinitis Pigmentosa** | |
| 2699 | NextGen Panel - Comprehensive<br>*ABCA4, ABHD12, AIPL1, ARL2BP, ARL6, BEST1, C1QTNF5, C2ORF71, C8ORF37, CA4, CACNA1F, CDHR1, CEP290, CERKL, CHM, CLN3, CLRN1, CNGA1, CNGB1, CRB1, CRX, DHDDS, EMC1, EYS, FAM161A, FLVCR1, FSCN2, GPR125, GUCA1B, GUCY2D, IDH3B, IMPDH1, IMPG2, INPP5E, KIAA1549, KLHL7, LCA5, LRAT, MAK, MERTK, MFRP, NEUROD1, NR2E3, NRL, OFD1, PDE6A, PDE6B, PDE6G, PITPNM3, PLA2G5, PRCD, PRKCG, PROM1, PRPF3, PRPF31, PRPF6, PRPF8, PRPH2, RBP3, RD3, RDH12, RGR, RHO, RLBP1, ROM1, RP1, RP2, RPE65, RPGR, RPGRIP1, SAG, SEMA4A, SLC7A14, SNRNP200, SPATA7, TOPORS, TTC8, TULP1, USH2A, ZNF513* | $2890 |
| 4309 | NextGen Panel - Autosomal Dominant<br>*BEST1, C1QTNF5, CA4, CRB1, CRX, EMC1, EYS, FSCN2, GUCA1B, IMPDH1, KLHL7, LCA5, NR2E3, NRL, PDE6B, PITPNM3, PRKCG, PRPF3, PRPF31, PRPF6, PRPF8, PRPH2, RHO, ROM1, RP1, RPE65, SEMA4A, SNRNP200, TOPORS* | $1840 |
| 4311 | NextGen Panel - Autosomal Recessive<br>*ABCA4, ABHD12, AIPL1, ARL2BP, ARL6, BEST1, C2orf71, C8orf37, CDHR1, CEP290, CERKL, CLN3, CLRN1, CNGA1, CNGB1, CRB1, DHDDS, EMC1, EYS, FAM161A, FLVCR1, GPR125, GUCY2D, IDH3B, IMPG2, INPP5E, KIAA1549, LCA5, LRAT, MAK, MERTK, MFRP, NEUROD1, NR2E3, NRL, PDE6A, PDE6B, PDE6G, PLA2G5, PRCD, PROM1, PRPF31, RBP3, RD3, RDH12, RGR, RHO, RLBP1, RP1, RPE65, RPGROP1, SAG, SEMA4A, SLC7A14, SPATA7, TTC8, TULP1, USH2A, ZNF513* | $2240 |
| 3293 | NextGen Panel - X-Linked<br>*RP2, RPGR (includes RPGRorf15), OFD1* | $1740 |
| | **Retinoblastoma** | |
| 795 | *RB1* | $1560 |
| | **Stargardt Disease and Macular Dystrophies** | |
| 4315 | NextGen Panel<br>*ABCA4, BEST1, C1QTNF5, CDH3, CERKL, CNGB3, CRB1, EFEMP1, ELOVL4, FSCN2, GUCA1B, IMPG2, PROM1, PRPH2, RBP3, RDH12, RLBP1, RP1L1, RPGR, RPGRIP1, RS1, TIMP3* | $2290 |
| | **Stickler Syndrome** | |
| 1319 | NextGen Panel<br>*COL11A1, COL11A2, COL2A1, COL9A1, COL9A2, COL9A3, LOXL3, LRP2, VCAN* | $1840 |
| | **Usher Syndrome** | |
| 1981 | NextGen Panel<br>*ADGRV1, MYO7A, CDH23, PCD15, USH1C, USH1G, CIB2, CLRN1, DFNB31, PDZD7, USH2A* | $2040 |
| | **Vitreoretinopathy** | |
| 2649 | NextGen Panel<br>*FZD4, LRP5, TSPAN12, NDP, COL2A1, VCAN, ZNF408, CAPN5, KIF11* | $1590 |

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| | **Von Hippel-Lindau Disease** | |
| 1118 | *VHL* | $520 |
| | **Waardenburg Syndrome** | |
| 1393 | NextGen Panel<br>*EDN3, EDNRB, MITF, PAX3, SNAI2, SOX10* | $1440 |
| | **Wolfram Syndrome** | |
| 1480 | Sequential Panel<br>*CISD2, WFS1* | $440-1310 |
| | **X-Linked Congenital Nystagmus** | |
| 1639 | *FRMD7* | $940 |
| | **X-Linked Nance-Horan Syndrome and Congenital Cataract** | |
| 1668 | *NHS* | $1100 |
| | **Targeted Familial Mutations** | |
| 100 | 1 Mutation | $250 |
| 200 | 2 Mutations | $370 |
| 300 | 3 Mutations | $440 |
| 990 | Prenatal Familial Mutation Testing | $990 |
| 600 | **Deletion/Duplication via aCGH** | |

| Number of genes ordered | Total Price |
|---|---|
| 1 | $690 |
| 2 | $730 |
| 3 | $770 |
| 4-10 | $840 |
| 11-30 | $1290 |
| 31-100 | $1670 |
| Over 100 | Call for a quote |

*All genes in panels are available as single gene tests

## Coming Soon to Our Test Menu

**Brittle Cornea Syndrome**

NextGen Panel

**Corneal Dystrophies**

NextGen Panel

**Strabismus Syndrome (Eye Movement Disorder)**

NextGen Panel

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