MICROARRAY TESTING

Category	Test	Disease	Comment	Mutation	Test Specification	Price in €
Microarray Testing	ABCR (ABCA4)	STARGARDT DISEASE 1, CONE-ROD DYSTROPHY, RETINITIS PIGMENTOSA, FUNDUS FLAVIMACULATUS, AGE-RELATED MACULAR DYSTROPHY		558 positions in 1 gene	ABCR CHIP	500
Microarray Testing	ARMS2, CFH, CFB, C2	AGE RELATED MACULAR DEGENERATION		6 positions in 4 genes	AGE RELATED MACULAR DEGENERATION CHIP	250
Microarray Testing	CYP2D6 and CYP2C19	MEDICATION		CYP2D6: alleles *2, 3, 4, 5, 6, 7, 8, 9, 14, 19, 20, 21, 24, 28, 29, 30, 33, 38, 39, 40, 41, 44, 59, 70, and different alleles *XN and CYP2C19: alleles *2 and *3	AMPLI CHIP CYP450	500
Microarray Testing	HEX A, BLM, ASPA, SMPD1, IKBKAP, DYT1, MCOLN1, FANCC, F11, G6PC, BCKHDB, GJB2, MEFV, GDE, GBA, SERPINA1, NEB, DLD, PCDH15, ABCC8, LDLR and CFTR	ASKHENAZI JEWISH DISEASES (Tay-Sachs Disease, Bloom Syndrome, Canavan Disease, Niemann-Pick A, Familial Dysautonomia, Torsion Dystonia, Mucolipidosis Type IV, Fanconi Anemia, Gaucher Disease, Factor XI Deficiency, Glycogen Storage Disease Type Ia , Maple Syrup Urine Disease, Non-Syndromic Sensorineural Hearing Loss, Familial Mediterranean Fever, Alpha 1-Anti-Trypsin Deficiency, Nemaline Myopathy, Usher Syndrome Type IF, Familial Hyperinsulinemia, Lipoamide Dehydrogenase Deficiency and Glycogen Storage Disease Type III, Familial Hypercholesterolemia, Cystic Fibrosis)		77 Mutations in 22 Genes	ASKHENAZI JEWISH DISEASES CHIP	500
Microarray Testing	Genome-wide Coverage for Postnatal Testing	MENTAL RETARDATION, CONGENITAL ANOMALIES	At least 5 microgram DNA from patient and parents	Agilent 180 k CGH Microarray with 180.000 Oligonucleotides	CGH CHIP - Postnatal Testing	1050
Microarray Testing	RHO, PDE6B, GNAT1, CABP4, GRM6, SAG, NYX, CACNA1F, CACNA2D, GRK1, TRPM1	CONGENITAL STATIONARY NIGHT BLINDNESS		159 positions in 11 genes	CONGENITAL STATIONARY NIGHT BLINDNESS CHIP	500
Microarray Testing	COL8A2, TGFBI, VSX1, CHST6, KRT3, KRT12, GSN, TACSTD2, CYP4V2, SOD1, TCF8/ZEB1, SLC4A11, UBIAD1	CORNEAL DYSTROPHY		333 positions in 13 genes	CORNEAL DYSTROPHY CHIP	500
Microarray Testing	108 GENES	108 DISEASES		416 mutations in 108 genes	GENERAL SCREENING CHIP	480
Microarray Testing	LDLR and APOB	HYPERCHOLESTEROLEMIA		203 mutations in LDLR and 4 mutations in APOB	LIPO CHIP	1000
Microarray Testing	AIPL1, CRB1, CRX, GUCY2D, LRAT, TULP1, MERTK, RPE65, RPGRIP1, CEP290, RDH12, LCA5, SPATA7	LEBER CONGENITAL AMAUROSIS, RETINITIS PIGMENTOSA, CONE-ROD DYSTROPHY		641 positions in 13 genes	LEBER CHIP	500
Microarray Testing	CA4, FSCN2, IMPDH1, NRL, PRPF3, PRPF31, PRPF8, RDS, RHO, ROM1, RP1, RP9, CRX, TOPORS, PNR, KLHL7	RETINITIS PIGMENTOSA (AUTOSOMAL DOMINANT), LEBER CONGENITAL AMAUROSIS, CONE-ROD DYSTROPHY		385 positions in 16 genes	RETINITIS PIGMENTOSA (AUTOSOMAL DOMINANT) CHIP	500
Microarray Testing	CERKL, CNGA1, CNGB1, MERTK, PDE6A, PDE6B, PNR, RDH12, RGR, RLBP1, SAG, TULP1, CRB, RPE65, USH2A, USH3A, LRAT, PROML1, PBP3	RETINITIS PIGMENTOSA (AUTOSOMAL RECESSIVE), LEBER CONGENITAL AMAUROSIS, CONE-ROD DYSTROPHY		594 positions in 19 genes	RETINITIS PIGMENTOSA (AUTOSOMAL RECESSIVE) CHIP	500
Microarray Testing	RP2, RPGR	RETINITIS PIGMENTOSA (X-LINKED)		184 positions in 2 genes	RETINITIS PIGMENTOSA (X-LINKED) CHIP	500
Microarray Testing	Genome-wide Coverage	HOMOZYGOSITY MAPPING DELETION-DUPLICATION TESTING		Illumina SNP array with 220.000 SNP's	SNP ARRAY	750
Microarray Testing	CDH23, MYO7A, PCDH15, Harmonin, SANS, USH2A, VLGR1, USH3A, Whirlin	USHER SYNDROME, DEAFNESS		612 mutations in 9 genes	USHER CHIP	500