BAYLOR MIRACA GENETICS LABORATORIES

PHONE: 800-411-GENE | FAX: 713-798-2787 | www.bmgl.com

SHIP TO: Baylor Miraca Genetics Laboratories
2450 Holcombe, Grand Blvd. -Receiving Dock
Houston, TX 77021-2024
Phone: 713-798-6555

MITOCHONDRIAL DNA (mtDNA) TEST REQUISITION

PATIENT INFORMATION

NAME: ____________ ____________ ___
LAST NAME FIRST NAME MI

DATE OF BIRTH: ____ / ____ / ____
MM DD YY

GENDER (Please select one):
- [ ] FEMALE
- [ ] MALE
- [ ] UNKNOWN

-OR-
PLACE PATIENT STICKER HERE

SAMPLE INFORMATION

DATE OF COLLECTION: ____ / ____ / ____
MM DD YY

HOSPITAL#: ____________ ACCESSION#: ____________

SAMPLE TYPE (Please select one):
- [ ] BLOOD
- [ ] SKELETAL MUSCLE
- [ ] DNA (Specify Source): ____________
- [ ] OTHER (Specify): ____________

ETHNIC BACKGROUND (Select all that apply):
- [ ] AFRICAN AMERICAN
- [ ] ASIAN
- [ ] ASHKENAZIC JEWISH
- [ ] EUROPEAN CAUCASIAN
- [ ] HISPANIC
- [ ] NATIVE AMERICAN INDIAN
- [ ] OTHER JEWISH
- [ ] OTHER (Please specify): ____________

REPORTING INFORMATION

PHYSICIAN: ____________

INSTITUTION: ____________

PHONE: ____________ FAX: ____________

EMAIL (INTERNATIONAL CLIENT REQUIREMENT): ____________

ADDITIONAL PROFESSIONAL REPORT RECIPIENTS

NAME: ____________

PHONE: ____________ FAX: ____________

NAME: ____________

PHONE: ____________ FAX: ____________

INDICATION FOR STUDY

- [ ] SYMPTOMATIC (Summarize below.):

- [ ] ASYMPTOMATIC/POSITIVE FAMILY HISTORY: (ATTACH FAMILY HISTORY)

RELATIONSHIP TO PROBAND: ____________

*If family mutation is known, complete the FAMILIAL MUTATION/ VARIANT ANALYSIS section.

- [ ] ASYMPTOMATIC/POPULATION SCREENING
- [ ] OTHER (Specify clinical findings below.):

- [ ] *FAMILIAL MUTATION/VARIANT ANALYSIS:

Complete all fields below and attach the proband's report.

GENE NAME: ____________

MUTATION/UNCLASSIFIED VARIANT: ____________

THIS INDIVIDUAL IS CURRENTLY:
- [ ] SYMPTOMATIC
- [ ] ASYMPTOMATIC

NAME OF PROBAND: ____________

RELATIONSHIP TO PROBAND: ____________

BMGL LAB#: ____________

- [ ] A COPY OF ORIGINAL RESULTS ATTACHED

IF PROBAND TESTING WAS PERFORMED AT ANOTHER LAB, CALL TO DISCUSS PRIOR TO SENDING SAMPLE. A POSITIVE CONTROL MAY BE REQUIRED IN SOME CASES.

REQUIRED: NEW YORK STATE PHYSICIAN SIGNATURE OF CONSENT

I certify that the patient specified above and/or their legal guardian has been informed of the benefits, risks, and limitations of the laboratory test(s) requested. I have answered this person's questions. I have obtained informed consent from the patient or their legal guardian for this testing.

Physician's Printed Name: ____________ Signature: ____________ Date (MM/DD/YY): ________

DUAL GENOME PANEL BY MASSIVELY PARALLEL SEQUENCING

[ ]	2085	-162 nuclear and 37 mitochondrial genes essential to Mitochondrial function are analyzed by Massively Parallel Sequencing. - This test is a combination of the following tests: 2055 - Comprehensive mtDNA Analysis by Massively Parallel Sequencing (MitoNGS) and 2086 - Mitome Nuclear Genes Panel

DUAL GENOME LEIGH DISEASE PANEL BY MASSIVELY PARALLEL SEQUENCING

[ ]	20600	- 90 nuclear and 37 mitochondrial genes essential to Mitochondrial function are analyzed by Massively Parallel Sequencing. - This test is a combination of the following tests: 2055 - Comprehensive mtDNA Analysis by Massively Parallel Sequencing (MitoNGS) and 20601 - Leigh Disease Panel

LAST UPDATED: 8/3/2015

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LAST NAME FIRST NAME MI MM DD YY

COMPREHENSIVE mtDNA ANALYSIS BY MASSIVELY PARALLEL SEQUENCING (MitoNGS)

☐	2055	- Sequence analysis of the entire mitochondrial genome with quantification of heteroplasmy levels for all nucleotide positions - Detection of deletions with breakpoints and heteroplasmy

AVAILABLE MASSIVELY PARALLEL SEQUENCING (BCM-MitomeNGS[SM]) & MitoMet PANELS LISTED BY DISORDER

☐	2086	Mitome Nuclear Genes	164 GENES	For full list of genes, please see website
☐	20100	Albinism Sequence Analysis	13 GENES	*AP3B1, BLOC1S3, DTNBP1, GPR143, HPS1, HPS3, HPS4, HPS5, HPS6, OCA2, SLC45A2, TYR, TYRP1*
☐	20400	Bardet-Biedl Syndrome Sequence Analysis	18 GENES	*ARL6, BBS1, BBS2, BBS4, BBS5, BBS7, BBS9 (PTHB1), BBS10, BBS12, CCDC28B, CEP290, LZTFL1, MKKS, MKS1, TMEM67, TRIM32, TTC8, WDPCP (C2orf86)*
☐	2105	Cholestasis Sequence Analysis	7 GENES	*ABCB4, ABCB11, ATP8B1, AKR1D1, JAG1, SERPINA1, SLC25A13*
☐	2100	Coenzyme Q10 Deficiency Sequence Analysis	5 GENES	*ADCK3 (COQ8/CABC1), COQ2, COQ9, PDSS1, PDSS2*
☐	2120	Cobalamin Metabolism Disorders Sequence Analysis	21 GENES	*ABCD4, ACSF3, CBS, CD320, GIF, HCFC1, IVD, LMBRD1, MCEE, MMAA, MMAB, MMACHC, MMADHC, MTHFR, MTR, MTRR, MUT, SUCLA2, SUCLG1, SUCLG2, TCN2*
☐	2625	COL1A1/2-Related Disorders Sequence Analysis	2 GENES	*COL1A1, COL1A2*
☐	5095	Congenital Disorders of Glycosylation Sequence Analysis	36 GENES	For full list of genes, please see website
☐	24500	Congenital & Distal Myopathy Sequence Analysis	39 GENES	For full list of genes, please see website
☐	20900	Congenital Muscular Dystrophy Sequence Analysis	25 GENES	For full list of genes, please see website
☐	24100	Congenital Myasthenic Syndrome Sequence Analysis	17 GENES	*AGRN, ALG2, ALG14, CHAT, CHRNA1, CHRNB1, CHRND, CHRNE, COLQ, DOK7, DPAGT1, GFPT1, LAMB2, MUSK, PLEC, RAPSN, SCN4A*
☐	20700	Congenital Myopathy Sequence Analysis	24 GENES	For full list of genes, please see website
☐	5260	Developmental Glaucoma Sequence Analysis	8 GENES	*BEST1, CYP1B1, FOXC1, MFRP, PAX6, PITX2, PITX3, VSX*
☐	5250	Familial Exudative Vitreoretinopathy Sequence Analysis	4 GENES	*FZD4, LRP5, NDP, TSPAN12*
☐	2095	Fatty Acid Oxidation Sequence Analysis	22 GENES	For full list of genes, please see website
☐	2125	Glycogen Metabolism Disorder Sequence Analysis	23 GENES	For full list of genes, please see website
☐	2126	Glycogen Storage Disease (GSD) Muscle Sequence Analysis	13 GENES	*AGL, GAA, GYG1, GYS1, LAMP2, LDHA, PCK2, PFKM, PGAM2, PGM1, PHKA1, PHKB, PYGM*
☐	2127	Glycogen Storage Disease (GSD) Liver Sequence Analysis	13 GENES	*AGL, FBP1, G6PC, GAA, GBE1, GYS2, PCK1, PHKA2, PHKB, PHKG2, PYGL, SLC2A2, SLC37A4*
☐	2200	High Bone Mass Sequence Analysis	14 GENES	*ANKH, CA2, CLCN7, CTSK, FAM123B, FAM20C, LEMD3, OSTM1, SOST, TCIRG1, TGFB1, TNFRSF11A, TNFSF11, TYROBP*
☐	21700	Hyperinsulinism Sequence Analysis	8 GENES	*ABCC8, GCK, GLUD1, HADH, HNF4A, INSR, KCNJ11, SLC16A1*
☐	5090	Leber Congenital Amaurosis Sequence Analysis	19 GENES	*AIPL1, CABP4, CEP290, CRB1, CRX, GUCY2D, IMPDH1, IQCB1, KCNJ13, LCA5, LRAT, NMNAT1, OTX2, RD3, RDH12, RPE65, RPGRIP1, SPATA7, TULP1*
☐	20601	Leigh Disease Sequence Analysis	91 GENES	For full list of genes, please see website
☐	2090	Low Bone Mass Sequence Analysis	23 GENES	For full list of genes, please see website
☐	32870	Maple Syrup Urine Disease (MSUD) Sequence Analysis	4 GENES	*BCKDHA, BCKDHB, DBT, DLD*
☐	21900	Maturity-Onset Diabetes of the Young (MODY) Sequence Analysis	25 GENES	For full list of genes, please see website
☐	2130	mtDNA Depletion/Integrity Sequence Analysis	20 GENES	*APTX, C10orf2, DGUOK, DNA2, FBXL4, GFER, MGME1, MPV17, OPA1, OPA3, POLG, POLG2, RRM2B, SLC25A4, SPG7 SUCLA2, SUCLG1, SUCLG2, TK2, TYMP*
☐	2155	Mitochondrial Respiratory Chain Complex I Sequence Analysis	25 GENES	For full list of genes, please see website
☐	2160	Mitochondrial Respiratory Chain Complex II Sequence Analysis	6 GENES	*SDHA, SDHB, SDHC, SDHD, SDHAF1, SDHAF2*
☐	2165	Mitochondrial Respiratory Chain Complex III Sequence Analysis	4 GENES	*BCS1L, TTC19, UQCRB, UQCRQ*
☐	2170	Mitochondrial Respiratory Chain Complex IV Sequence Analysis	12 GENES	*COX10, COX15, COX4I1, COX4I2, COX6B1, COX7A1, FASTKD2, LRPPRC, SCO1, SCO2, SURF1, TACO1*
☐	2175	Mitochondrial Respiratory Chain Complex V Sequence Analysis	3 GENES	*ATPAF2 (ATP12), ATP5E, TMEM70*
☐	2180	Mitochondrial Respiratory Chain Complex I-V Sequence Analysis	50 GENES	For full list of genes, please see website
☐	24400	Muscular Dystrophy Sequence Analysis	36 GENES	For full list of genes, please see website

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LAST NAME FIRST NAME MI MM DD YY

AVAILABLE MASSIVELY PARALLEL SEQUENCING (BCM-MitomeNGS^{SM}) & MitoMet PANELS LISTED BY DISORDER

☐	2300	Myopathy/Rhabdomyolysis Sequence Analysis	27 GENES	For full list of genes, please see website
☐	20200	Nephronophthisis Sequence Analysis	4 GENES	*NPHP1, INVS, NPHP3, NPHP4*
☐	21400	Noonan Spectrum Disorders Sequence Analysis	12 GENES	*BRAF, CBL, HRAS, KRAS, MAP2K1, MAP2K2, NRAS, PTPN11, RAF1, RIT1, SHOC2, SOS1*
☐	20500	Omenn Syndrome	7 GENES	*DCLRE1C, IL7R, LIG4, NHEJ1, RAG1, RAG2, RMRP*
☐	2185	PDH & Mitochondrial RC Complex V Sequence Analysis	9 GENES	*ATPAF2 (ATP12), ATP5E, DLAT, DLD, PDHA1, PDHB, PDHX, PDP, TMEM70*
☐	22100	Peroxisomal Disorders Sequence Analysis	22 GENES	For full list of genes, please see website
☐	5255	Primary Open Angle Glaucoma Sequence Analysis	2 GENES	*MYOC, OPTN*
☐	5274	Proximal Urea Cycle Disorders Comprehensive Analysis	3 genes by NGS Sequence Analysis (5270) + 3 genes by Deletion/Duplication (5273)	
☐	5270	Proximal Urea Cycle Disorders Sequence Analysis	3 GENES	*CPS1, NAGS, OTC*
☐	5273	Proximal Urea Cycle Disorders Deletion/Duplication Analysis	3 GENES	*CPS1, NAGS, OTC*
☐	2140	Progressive External Ophthalmoplegia Sequence Analysis	10 GENES	*C10orf2 (TWINKLE), MGME1, OPA1, OPA3, POLG, POLG2, RRM2B, SLC25A4(ANT1), SPG7, TK2*
☐	2190	Retinitis Pigmentosa Sequence Analysis	66 GENES	For full list of genes, please see website
☐	21500	Severe Combined Immunodeficiency Sequence Analysis	46 GENES	For full list of genes, please see website
☐	20300	Severe Combined Immunodeficiency Tier 1 Sequence Analysis	9 GENES	*ADA, CHD7, DCLRE1C, IL2RG, IL7R, JAK3, RAG1, RAG2, TBX1*
☐	2110	Urea Cycle Disorders and Hyperammonemia Sequence Analysis	8 GENES	*ARG1, ASS1, ASL, CPS1, NAGS, OTC, SLC25A13, SLC25A15*
☐	2195	Usher Syndrome Sequence Analysis	9 GENES	*CDH23, CLRN1, DFNB31, GPR98, MYO7A, PCDH15, USH1C, USH1G, USH2A*

DNA COPY NUMBER ANALYSIS

☐	3700	mtDNA Content (qPCR) Analysis- MUSCLE
☐	3720	mtDNA Content (qPCR) Analysis- LIVER
☐	2000	**MitoMet®Plus** MitoMet®Plus Microarray Analysis - Copy number analysis of approximately 1600 nuclear genes + entire mtDNA, of which approximately 1400 genes are Mitochondrial/Metabolic related. 1. Specific Disease/Gene: ______________ 2. Indication: ______________

mtDNA RESPIRATORY CHAIN ENZYME TESTS

☐	3200	Mitochondrial Respiratory Chain Enzyme Analysis (ETC) - Skeletal Muscle
☐	3210	Mitochondrial Respiratory Chain Enzyme Analysis (ETC) - Skin Fibroblasts

MITOCHONDRIAL DNA (mtDNA) MUTATION SCREENS

☐	2010	ADVANCED mtDNA POINT MUTATIONS AND DELETIONS By MASSIVELY PARALLEL SEQUENCING (BCM-MitomeNGS^{SM}): Screens for 36 common point mutations and deletions in MELAS, MERRF, NARP, Leigh Syndrome, LHON, Cardiomyopathy, Deafness and/or Diabetes, Pearson Syndrome, and Kearns-Sayre Syndrome (for full list of conditions, please see web site).

mtDNA SANGER SEQUENCE ANALYSIS TESTS

For Familial Mutation/Variant Analysis, complete indication information on page 1.

☐	3030	mtDNA Nonsyndromic Hearing Loss

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MITOCHONDRIAL DNA (mtDNA) TEST REQUISITION

NAME: ______ LAST NAME ______ FIRST NAME ___ MI DATE OF BIRTH: ___ / ___ / ___ MM DD YY GENDER (Please select one): ☐ FEMALE ☐ MALE ☐ UNKNOWN

INDIVIDUAL NUCLEAR GENE SANGER SEQUENCE ANALYSIS TESTS

For Familial Mutation/Variant Analysis, complete indication information on page 1.

Acetyl-CoA Carboxylase Deficiency (ACACA-Related Disorders)			*ACACA*
☐	2889	*ACACA* Comprehensive (Seq & Del/Dup Analysis)	
☐	2885	*ACACA* Sequence Analysis	
☐	2888	*ACACA* Deletion/Duplication Analysis	
Acetyl-CoA Carboxylase Beta Deficiency (ACACB-Related Disorders)			*ACACB*
☐	2879	*ACACB* Comprehensive (Seq & Del/Dup Analysis)	
☐	2875	*ACACB* Sequence Analysis	
☐	2878	*ACACB* Deletion/Duplication Analysis	
Ataxia, early-onset, with oculomotor apraxia and hypoalbuminemia			*APTX*
☐	29005	*APTX* Sequence Analysis by NGS	
ATP5A1-Related Disorders			*ATP5A1*
☐	2219	*ATP5A1* Comprehensive (Seq & Del/Dup Analysis)	
☐	2215	*ATP5A1* Sequence Analysis	
☐	2218	*ATP5A1* Deletion/Duplication Analysis	
Barth Syndrome (TAZ-Related Disorders)			*TAZ*
☐	3614	*TAZ* Comprehensive (Seq & Del/Dup Analysis)	
☐	3610	*TAZ* Sequence Analysis	
☐	3613	*TAZ* Deletion/Duplication Analysis	
C10orf2 (TWINKLE)-Related Disorders			*C10orf2*
☐	3179	*C10orf2 (TWINKLE)* Comprehensive (Seq & Del/Dup Analysis)	
☐	3175	*C10orf2 (TWINKLE)* Sequence Analysis	
☐	3178	*C10orf2 (TWINKLE)* Deletion/Duplication Analysis	
Coenzyme Q10 Deficiency			
☐	3854	*ADCK3(CABC1)* Comprehensive (Seq & Del/Dup Analysis)	*ADCK3*
☐	3850	*ADCK3(CABC1)* Sequence Analysis	*ADCK3*
☐	3853	*ADCK3(CABC1)* Deletion/Duplication Analysis	*ADCK3*
☐	3419	*COQ2* Comprehensive (Seq & Del/Dup Analysis)	*COQ2*
☐	3415	*COQ2* Sequence Analysis	*COQ2*
☐	3418	*COQ2* Deletion/Duplication Analysis	*COQ2*
☐	3779	*COQ9* Comprehensive (Seq & Del/Dup Analysis)	*COQ9*
☐	3775	*COQ9* Sequence Analysis	*COQ9*
☐	3778	*COQ9* Deletion/Duplication Analysis	*COQ9*
☐	3409	*PDSS1* Comprehensive (Seq & Del/Dup Analysis)	*PDSS1*
☐	3405	*PDSS1* Sequence Analysis	*PDSS1*
☐	3408	*PDSS1* Deletion/Duplication Analysis	*PDSS1*
☐	3414	*PDSS2* Comprehensive (Seq & Del/Dup Analysis)	*PDSS2*
☐	3410	*PDSS2* Sequence Analysis	*PDSS2*
☐	3413	*PDSS2* Deletion/Duplication Analysis	*PDSS2*
☐	4800	Coenzyme Q10 Analyte Analysis - Skeletal Muscle	

Combined Oxidative Phosphorylation Deficiency			
☐	2264	*GFM1* Comprehensive (Seq & Del/Dup Analysis)	*GFM1*
☐	2260	*GFM1* Sequence Analysis	*GFM1*
☐	2263	*GFM1* Deletion/Duplication Analysis	*GFM1*
☐	3764	*MRPS16* Comprehensive (Seq & Del/Dup Analysis)	*MRPS16*
☐	3760	*MRPS16* Sequence Analysis	*MRPS16*
☐	3763	*MRPS16* Deletion/Duplication Analysis	*MRPS16*
☐	3649	*TSFM* Comprehensive (Seq & Del/Dup Analysis)	*TSFM*
☐	3645	*TSFM* Sequence Analysis	*TSFM*
☐	3648	*TSFM* Deletion/Duplication Analysis	*TSFM*
☐	3814	*TUFM* Comprehensive (Seq & Del/Dup Analysis)	*TUFM*
☐	3810	*TUFM* Sequence Analysis	*TUFM*
☐	3813	*TUFM* Deletion/Duplication Analysis	*TUFM*
☐	2284	*MRPS2* Comprehensive (Seq & Del/Dup Analysis)	*MRPS2*
☐	2280	*MRPS2* Sequence Analysis	*MRPS2*
☐	2283	*MRPS2* Deletion/Duplication Analysis	*MRPS2*
☐	2289	*MRPS22* Comprehensive (Seq & Del/Dup Analysis)	*MRPS22*
☐	2285	*MRPS22* Sequence Analysis	*MRPS22*
☐	2288	*MRPS22* Deletion/Duplication Analysis	*MRPS22*
☐	2224	*C12orf65* Comprehensive (Seq & Del/Dup Analysis)	*C12orf65*
☐	2220	*C12orf65* Sequence Analysis	*C12orf65*
☐	2223	*C12orf65* Deletion/Duplication Analysis	*C12orf65*
☐	2324	*AARS2* Comprehensive (Seq & Del/Dup Analysis)	*AARS2*
☐	2320	*AARS2* Sequence Analysis	*AARS2*
☐	2323	*AARS2* Deletion/Duplication Analysis	*AARS2*
Complex I Deficiency			
☐	3904	*ACAD9* Comprehensive (Seq & Del/Dup Analysis)	*ACAD9*
☐	3900	*ACAD9* Sequence Analysis	*ACAD9*
☐	3903	*ACAD9* Deletion/Duplication Analysis	*ACAD9*
☐	2664	*FOXRED1* Comprehensive (Seq & Del/Dup Analysis)	*FOXRED1*
☐	2660	*FOXRED1* Sequence Analysis	*FOXRED1*
☐	2663	*FOXRED1* Deletion/Duplication Analysis	*FOXRED1*
☐	3489	*NDUFA1* Comprehensive (Seq & Del/Dup Analysis)	*NDUFA1*
☐	3485	*NDUFA1* Sequence Analysis	*NDUFA1*
☐	3488	*NDUFA1* Deletion/Duplication Analysis	*NDUFA1*

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LAST NAME FIRST NAME MI MM DD YY

INDIVIDUAL NUCLEAR GENE SANGER SEQUENCE ANALYSIS TESTS

For Familial Mutation/Variant Analysis, complete indication information on page 1.

		Complex I Deficiency (cont.)	
☐	2669	*NDUFA2* Comprehensive (Seq & Del/Dup Analysis)	*NDUFA2*
☐	2665	*NDUFA2* Sequence Analysis	*NDUFA2*
☐	2668	*NDUFA2* Deletion/Duplication Analysis	*NDUFA2*
☐	3264	*NDUFA7* Comprehensive (Seq & Del/Dup Analysis)	*NDUFA7*
☐	3260	*NDUFA7* Sequence Analysis	*NDUFA7*
☐	3263	*NDUFA7* Deletion/Duplication Analysis	*NDUFA7*
☐	2674	*NDUFA8* Comprehensive (Seq & Del/Dup Analysis)	*NDUFA8*
☐	2670	*NDUFA8* Sequence Analysis	*NDUFA8*
☐	2673	*NDUFA8* Deletion/Duplication Analysis	*NDUFA8*
☐	2679	*NDUFA10* Comprehensive (Seq & Del/Dup Analysis)	*NDUFA10*
☐	2675	*NDUFA10* Sequence Analysis	*NDUFA10*
☐	2678	*NDUFA10* Deletion/Duplication Analysis	*NDUFA10*
☐	2684	*NDUFA11* Comprehensive (Seq & Del/Dup Analysis)	*NDUFA11*
☐	2680	*NDUFA11* Sequence Analysis	*NDUFA11*
☐	2683	*NDUFA11* Deletion/Duplication Analysis	*NDUFA11*
☐	2689	*NDUFA13* Comprehensive (Seq & Del/Dup Analysis)	*NDUFA13*
☐	2685	*NDUFA13* Sequence Analysis	*NDUFA13*
☐	2688	*NDUFA13* Deletion/Duplication Analysis	*NDUFA13*
☐	3944	*NDUFAF1* Comprehensive (Seq & Del/Dup Analysis)	*NDUFAF1*
☐	3940	*NDUFAF1* Sequence Analysis	*NDUFAF1*
☐	3943	*NDUFAF1* Deletion/Duplication Analysis	*NDUFAF1*
☐	3539	*NDUFAF2* Comprehensive (Seq & Del/Dup Analysis)	*NDUFAF2*
☐	3535	*NDUFAF2* Sequence Analysis	*NDUFAF2*
☐	3538	*NDUFAF2* Deletion/Duplication Analysis	*NDUFAF2*
☐	2694	*NDUFAF3* Comprehensive (Seq & Del/Dup Analysis)	*NDUFAF3*
☐	2690	*NDUFAF3* Sequence Analysis	*NDUFAF3*
☐	2693	*NDUFAF3* Deletion/Duplication Analysis	*NDUFAF3*
☐	3484	*NDUFAF4* Comprehensive (Seq & Del/Dup Analysis)	*NDUFAF4*
☐	3480	*NDUFAF4* Sequence Analysis	*NDUFAF4*
☐	3483	*NDUFAF4* Deletion/Duplication Analysis	*NDUFAF4*
☐	2659	*NDUFAF5* Comprehensive (Seq & Del/Dup Analysis)	*NDUFAF5*
☐	2655	*NDUFAF5* Sequence Analysis	*NDUFAF5*
☐	2658	*NDUFAF5* Deletion/Duplication Analysis	*NDUFAF5*
☐	2504	*NDUFB6* Comprehensive (Seq & Del/Dup Analysis)	*NDUFB6*
☐	2500	*NDUFB6* Sequence Analysis	*NDUFB6*
☐	2503	*NDUFB6* Deletion/Duplication Analysis	*NDUFB6*
☐	5375	*NDUFB8* Sequence Analysis	*NDUFB8*

		Complex I Deficiency (cont.)	
☐	2704	*NDUFS1* Comprehensive (Seq & Del/Dup Analysis)	*NDUFS1*
☐	2700	*NDUFS1* Sequence Analysis	*NDUFS1*
☐	2703	*NDUFS1* Deletion/Duplication Analysis	*NDUFS1*
☐	3934	*NDUFS2* Comprehensive (Seq & Del/Dup Analysis)	*NDUFS2*
☐	3930	*NDUFS2* Sequence Analysis	*NDUFS2*
☐	3933	*NDUFS2* Deletion/Duplication Analysis	*NDUFS2*
☐	3574	*NDUFS3* Comprehensive (Seq & Del/Dup Analysis)	*NDUFS3*
☐	3570	*NDUFS3* Sequence Analysis	*NDUFS3*
☐	3573	*NDUFS3* Deletion/Duplication Analysis	*NDUFS3*
☐	3564	*NDUFS4* Comprehensive (Seq & Del/Dup Analysis)	*NDUFS4*
☐	3560	*NDUFS4* Sequence Analysis	*NDUFS4*
☐	3563	*NDUFS4* Deletion/Duplication Analysis	*NDUFS4*
☐	3254	*NDUFS5* Comprehensive (Seq & Del/Dup Analysis)	*NDUFS5*
☐	3250	*NDUFS5* Sequence Analysis	*NDUFS5*
☐	3253	*NDUFS5* Deletion/Duplication Analysis	*NDUFS5*
☐	3569	*NDUFS6* Comprehensive (Seq & Del/Dup Analysis)	*NDUFS6*
☐	3565	*NDUFS6* Sequence Analysis	*NDUFS6*
☐	3568	*NDUFS6* Deletion/Duplication Analysis	*NDUFS6*
☐	3609	*NDUFS7* Comprehensive (Seq & Del/Dup Analysis)	*NDUFS7*
☐	3605	*NDUFS7* Sequence Analysis	*NDUFS7*
☐	3608	*NDUFS7* Deletion/Duplication Analysis	*NDUFS7*
☐	3849	*NDUFS8* Comprehensive (Seq & Del/Dup Analysis)	*NDUFS8*
☐	3845	*NDUFS8* Sequence Analysis	*NDUFS8*
☐	3848	*NDUFS8* Deletion/Duplication Analysis	*NDUFS8*
☐	3594	*NDUFV1* Comprehensive (Seq & Del/Dup Analysis)	*NDUFV1*
☐	3590	*NDUFV1* Sequence Analysis	*NDUFV1*
☐	3593	*NDUFV1* Deletion/Duplication Analysis	*NDUFV1*
☐	2709	*NDUFV3* Comprehensive (Seq & Del/Dup Analysis)	*NDUFV3*
☐	2705	*NDUFV3* Sequence Analysis	*NDUFV3*
☐	2708	*NDUFV3* Deletion/Duplication Analysis	*NDUFV3*
☐	2714	*NUBPL* Comprehensive (Seq & Del/Dup Analysis)	*NUBPL*
☐	2710	*NUBPL* Sequence Analysis	*NUBPL*
☐	2713	*NUBPL* Deletion/Duplication Analysis	*NUBPL*

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MITOCHONDRIAL DNA (mtDNA) TEST REQUISITION

NAME: ______________ (LAST NAME) ______________ (FIRST NAME) ___ (MI) DATE OF BIRTH: ___ / ___ / ___ (MM DD YY) GENDER (Please select one): ☐ FEMALE ☐ MALE ☐ UNKNOWN

INDIVIDUAL NUCLEAR GENE SEQUENCE ANALYSIS TESTS (CONT.)

For Familial Mutation/Variant Analysis, complete indication information on page 1.

Complex II Deficiency			
☐	3180	*SDHA* Sequence Analysis	*SDHA*
☐	3185	*SDHB* Sequence Analysis	*SDHB*
☐	3190	*SDHC* Sequence Analysis	*SDHC*
☐	3195	*SDHD* Sequence Analysis	*SDHD*
☐	3679	*SDHAF1* Comprehensive (Seq & Del/Dup Analysis)	*SDHAF1*
☐	3675	*SDHAF1* Sequence Analysis	*SDHAF1*
☐	3678	*SDHAF1* Deletion/Duplication Analysis	*SDHAF1*
☐	3234	*SDHAF2* Comprehensive (Seq & Del/Dup Analysis)	*SDHAF2*
☐	3230	*SDHAF2* Sequence Analysis	*SDHAF2*
☐	3233	*SDHAF2* Deletion/Duplication Analysis	*SDHAF2*
Complex III Deficiency			
☐	3114	*BCS1L* Comprehensive (Seq & Del/Dup Analysis)	*BCS1L*
☐	3110	*BCS1L* Sequence Analysis	*BCS1L*
☐	3113	*BCS1L* Deletion/Duplication Analysis	*BCS1L*
☐	2724	*UQCRB* Comprehensive (Seq & Del/Dup Analysis)	*UQCRB*
☐	2720	*UQCRB* Sequence Analysis	*UQCRB*
☐	2723	*UQCRB* Deletion/Duplication Analysis	*UQCRB*
☐	2729	*UQCRQ* Comprehensive (Seq & Del/Dup Analysis)	*UQCRQ*
☐	2725	*UQCRQ* Sequence Analysis	*UQCRQ*
☐	2728	*UQCRQ* Deletion/Duplication Analysis	*UQCRQ*
☐	2719	*TTC19* Comprehensive (Seq & Del/Dup Analysis)	*TTC19*
☐	2715	*TTC19* Sequence Analysis	*TTC19*
☐	2718	*TTC19* Deletion/Duplication Analysis	*TTC19*
Complex IV Deficiency			
☐	2734	*COX4I1* Comprehensive (Seq & Del/Dup Analysis)	*COX4I1*
☐	2730	*COX4I1* Sequence Analysis	*COX4I1*
☐	2733	*COX4I1* Deletion/Duplication Analysis	*COX4I1*
☐	2739	*COX4I2* Comprehensive (Seq & Del/Dup Analysis)	*COX4I2*
☐	2735	*COX4I2* Sequence Analysis	*COX4I2*
☐	2738	*COX4I2* Deletion/Duplication Analysis	*COX4I2*
☐	3629	*COX6B1* Comprehensive (Seq & Del/Dup Analysis)	*COX6B1*
☐	3625	*COX6B1* Sequence Analysis	*COX6B1*
☐	3628	*COX6B1* Deletion/Duplication Analysis	*COX6B1*
☐	2744	*COX7A1* Comprehensive (Seq & Del/Dup Analysis)	*COX7A1*
☐	2740	*COX7A1* Sequence Analysis	*COX7A1*
Complex IV Deficiency (cont.)			
☐	2743	*COX7A1* Deletion/Duplication Analysis	*COX7A1*
☐	3104	*COX10* Comprehensive (Seq & Del/Dup Analysis)	*COX10*
☐	3100	*COX10* Sequence Analysis	*COX10*
☐	3103	*COX10* Deletion/Duplication Analysis	*COX10*
☐	3549	*COX15* Comprehensive (Seq & Del/Dup Analysis)	*COX15*
☐	3545	*COX15* Sequence Analysis	*COX15*
☐	3548	*COX15* Deletion/Duplication Analysis	*COX15*
☐	33240	*LRPPRC* Sequence Analysis by NGS	*LRPPRC*
☐	3244	*LRPPRC* Comprehensive (Seq & Del/Dup Analysis)	*LRPPRC*
☐	3243	*LRPPRC* Deletion/Duplication Analysis	*LRPPRC*
☐	3099	*SCO1* Comprehensive (Seq & Del/Dup Analysis)	*SCO1*
☐	3095	*SCO1* Sequence Analysis	*SCO1*
☐	3098	*SCO1* Deletion/Duplication Analysis	*SCO1*
☐	3094	*SCO2* Comprehensive (Seq & Del/Dup Analysis)	*SCO2*
☐	3090	*SCO2* Sequence Analysis	*SCO2*
☐	3093	*SCO2* Deletion/Duplication Analysis	*SCO2*
☐	3089	*SURF1* Comprehensive (Seq & Del/Dup Analysis)	*SURF1*
☐	3085	*SURF1* Sequence Analysis	*SURF1*
☐	3088	*SURF1* Deletion/Duplication Analysis	*SURF1*
☐	2749	*TACO1* Comprehensive (Seq & Del/Dup Analysis)	*TACO1*
☐	2745	*TACO1* Sequence Analysis	*TACO1*
☐	2748	*TACO1* Deletion/Duplication Analysis	*TACO1*
Complex V Deficiency			
☐	3274	*ATPAF2* Comprehensive (Seq & Del/Dup Analysis)	*ATPAF2*
☐	3270	*ATPAF2* Sequence Analysis	*ATPAF2*
☐	3273	*ATPAF2* Deletion/Duplication Analysis	*ATPAF2*
☐	3294	*ATP5E* Comprehensive (Seq & Del/Dup Analysis)	*ATP5E*
☐	3290	*ATP5E* Sequence Analysis	*ATP5E*
☐	3293	*ATP5E* Deletion/Duplication Analysis	*ATP5E*
☐	3739	*TMEM70* Comprehensive (Seq & Del/Dup Analysis)	*TMEM70*
☐	3735	*TMEM70* Sequence Analysis	*TMEM70*
☐	3738	*TMEM70* Deletion/Duplication Analysis	*TMEM70*
Deafness-Dystonia-Optic Neuropathy			*TIMM8A*
☐	3344	*TIMM8A* Comprehensive (Seq & Del/Dup Analysis)	
☐	3340	*TIMM8A* Sequence Analysis	
☐	3343	*TIMM8A* Deletion/Duplication Analysis	
DGUOK-Related Disorders			*DGUOK*
☐	3079	*DGUOK* Comprehensive (Seq & Del/Dup Analysis)	
☐	3075	*DGUOK* Sequence Analysis	
☐	3078	*DGUOK* Deletion/Duplication Analysis	

LAST UPDATED: 8/3/2015

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MITOCHONDRIAL DNA (mtDNA) TEST REQUISITION

NAME: ____________ ____________ ___ DATE OF BIRTH: ___ / ___ / ___ GENDER (Please select one): ☐ FEMALE ☐ MALE ☐ UNKNOWN

LAST NAME FIRST NAME MI MM DD YY

INDIVIDUAL NUCLEAR GENE SEQUENCE ANALYSIS TESTS (CONT.)

For Familial Mutation/Variant Analysis, complete indication information on page 1.

DNA Replication Helicase/Nuclease 2 Deficiency, Metabolic Myopathy			*DNA2*
☐	5160	*DNA2* Sequence Analysis	
Ethylmalonic Encephalopathy			*ETHE1*
☐	3749	*ETHE1* Comprehensive (Seq & Del/Dup Analysis)	
☐	3745	*ETHE1* Sequence Analysis	
☐	3748	*ETHE1* Deletion/Duplication Analysis	
FARS2-Related Disorders			*FARS2*
☐	2249	*FARS2* Comprehensive (Seq & Del/Dup Analysis)	
☐	2245	*FARS2* Sequence Analysis	
☐	2248	*FARS2* Deletion/Duplication Analysis	
FASTKD2-Related Disorders			*FASTKD2*
☐	3559	*FASTKD2* Comprehensive (Seq & Del/Dup Analysis)	
☐	3555	*FASTKD2* Sequence Analysis	
☐	3558	*FASTKD2* Deletion/Duplication Analysis	
HARS2-Related Disorders			*HARS2*
☐	2314	*HARS2* Comprehensive (Seq & Del/Dup Analysis)	
☐	2310	*HARS2* Sequence Analysis	
☐	2313	*HARS2* Deletion/Duplication Analysis	
Hyperuricemia, Pulmonary Hypertension, Renal Failure, and Alkalosis			*SARS2*
☐	2319	*SARS2* Comprehensive (Seq & Del/Dup Analysis)	
☐	2315	*SARS2* Sequence Analysis	
☐	2318	*SARS2* Deletion/Duplication Analysis	
Intermediate Charcot-Marie-Tooth Neuropathy, KARS-Related			*KARS2*
☐	2329	*KARS2* Comprehensive (Seq & Del/Dup Analysis)	
☐	2325	*KARS2* Sequence Analysis	
☐	2328	*KARS2* Deletion/Duplication Analysis	
Ketothiolase Deficiency			*ACAT1*
☐	2269	*ACAT1* Comprehensive (Seq & Del/Dup Analysis)	
☐	2265	*ACAT1* Sequence Analysis	
☐	2268	*ACAT1* Deletion/Duplication Analysis	
MARS2-Related Disorders			*MARS2*
☐	2229	*MARS2* Comprehensive (Seq & Del/Dup Analysis)	
☐	2225	*MARS2* Sequence Analysis	
☐	2228	*MARS2* Deletion/Duplication Analysis	
mtDNA Depletion Syndrome, SUCLG2-Related			*SUCLG2*
☐	3964	*SUCLG2* Comprehensive (Seq & Del/Dup Analysis)	
☐	3960	*SUCLG2* Sequence Analysis	
☐	3963	*SUCLG2* Deletion/Duplication Analysis	
mtDNA Depletion Syndrome, Myopathic Form (TK2-Related Disorders)			*TK2*
☐	3074	*TK2* Comprehensive (Seq & Del/Dup Analysis)	
☐	3070	*TK2* Sequence Analysis	
☐	3073	*TK2* Deletion/Duplication Analysis	
mtDNA Depletion Syndrome II, MGME1-Related			*MGME1*
☐	5059	*MGME1* Comprehensive (Seq & Del/Dup Analysis)	
☐	5055	*MGME1* Sequence Analysis	
☐	5058	*MGME1* Deletion/Duplication Analysis	
mtDNA Depletion Syndrome I3, Encephalomyopathic type			*FBXL4*
☐	29015	*FBXL4* Sequence Analysis by NGS	
Mitochondrial Phosphate Carrier Deficiency			*SLC25A3 (PHC)*
☐	3494	*SLC25A3 (PHC)* Comprehensive (Seq & Del/Dup Analysis)	
☐	3490	*SLC25A3 (PHC)* Sequence Analysis	
☐	3493	*SLC25A3 (PHC)* Deletion/Duplication Analysis	
MNGIE/MNGIE like Syndrome			*TYMP*
☐	3064	*TYMP* Comprehensive (Seq & Del/Dup Analysis)	
☐	3060	*TYMP* Sequence Analysis	
☐	3063	*TYMP* Deletion/Duplication Analysis	
MPV17-Related Disorders			*MPV17*
☐	3324	*MPV17* Comprehensive (Seq & Del/Dup Analysis)	
☐	3320	*MPV17* Sequence Analysis	
☐	3323	*MPV17* Deletion/Duplication Analysis	
MRPL40-Related Disorders			*MRPL40*
☐	2234	*MRPL40* Comprehensive (Seq & Del/Dup Analysis)	
☐	2230	*MRPL40* Sequence Analysis	
☐	2233	*MRPL40* Deletion/Duplication Analysis	
MRPL44-Related Disorders			*MRPL44*
☐	2294	*MRPL44* Comprehensive (Seq & Del/Dup Analysis)	
☐	2290	*MRPL44* Sequence Analysis	
☐	2293	*MRPL44* Deletion/Duplication Analysis	
MRPS18A-Related Disorders			*MRPS18A*
☐	2299	*MRPS18A* Comprehensive (Seq & Del/Dup Analysis)	
☐	2295	*MRPS18A* Sequence Analysis	
☐	2298	*MRPS18A* Deletion/Duplication Analysis	
MRRF-Related Disorders			*MRRF*
☐	2279	*MRRF* Comprehensive (Seq & Del/Dup Analysis)	
☐	2275	*MRRF* Sequence Analysis	
☐	2278	*MRRF* Deletion/Duplication Analysis	
MTFMT-Related Disorders			*MTFMT*
☐	2235	*MTFMT* Sequence Analysis	
Myopathy with Deficiency of ISCU			*ISCU*
☐	3659	*ISCU* Comprehensive (Seq & Del/Dup Analysis)	
☐	3655	*ISCU* Sequence Analysis	
☐	3658	*ISCU* Deletion/Duplication Analysis	

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MITOCHONDRIAL DNA (mtDNA) TEST REQUISITION

NAME: ____________ ____________ ___ DATE OF BIRTH: ___ / ___ / ___ GENDER (Please select one): ☐ FEMALE ☐ MALE ☐ UNKNOWN

LAST NAME FIRST NAME MI MM DD YY

INDIVIDUAL NUCLEAR GENE SEQUENCE ANALYSIS TESTS (CONT.)

For Familial Mutation/Variant Analysis, complete indication information on page 1.

	Code	Test	Gene
Myopathy, Mitochondrial, and Sideroblastic Anemia			
☐	3654	*PUS1* Comprehensive (Seq & Del/Dup Analysis)	*PUS1*
☐	3650	*PUS1* Sequence Analysis	*PUS1*
☐	3653	*PUS1* Deletion/Duplication Analysis	*PUS1*
☐	3959	*YARS2* Comprehensive (Seq & Del/Dup Analysis)	*YARS2*
☐	3955	*YARS2* Sequence Analysis	*YARS2*
☐	3958	*YARS2* Deletion/Duplication Analysis	*YARS2*
Myopathy, mitochondrial progressive, with congenital cataract, hearing loss, and developmental delay			*GFER*
☐	29010	*GFER* Sequence Analysis by NGS	
NARS2-Related Disorders			*NARS2*
☐	2309	*NARS2* Comprehensive (Seq & Del/Dup Analysis)	
☐	2305	*NARS2* Sequence Analysis	
☐	2308	*NARS2* Deletion/Duplication Analysis	
Optic Atrophy Type 1			*OPA1*
☐	33465	*OPA1* Sequence Analysis by NGS	
☐	3469	*OPA1* Comprehensive (Seq & Del/Dup Analysis)	
☐	3468	*OPA1* Deletion/Duplication Analysis	
Optic Atrophy Type 3			*OPA3*
☐	3529	*OPA3* Comprehensive (Seq & Del/Dup Analysis)	
☐	3525	*OPA3* Sequence Analysis	
☐	3528	*OPA3* Deletion/Duplication Analysis	
PDH Complex Deficiency			
☐	3169	*PDHA1* Comprehensive (Seq & Del/Dup Analysis)	*PDHA1*
☐	3165	*PDHA1* Sequence Analysis	*PDHA1*
☐	3168	*PDHA1* Deletion/Duplication Analysis	*PDHA1*
☐	3899	*PDHB* Comprehensive (Seq & Del/Dup Analysis)	*PDHB*
☐	3895	*PDHB* Sequence Analysis	*PDHB*
☐	3898	*PDHB* Deletion/Duplication Analysis	*PDHB*
☐	3894	*PDP1* Comprehensive (Seq & Del/Dup Analysis)	*PDP1*
☐	3890	*PDP1* Sequence Analysis	*PDP1*
☐	3893	*PDP1* Deletion/Duplication Analysis	*PDP1*
☐	3924	*PDHX* Comprehensive (Seq & Del/Dup Analysis)	*PDHX*
☐	3920	*PDHX* Sequence Analysis	*PDHX*
☐	3923	*PDHX* Deletion/Duplication Analysis	*PDHX*
☐	3464	*DLD* Comprehensive (Seq & Del/Dup Analysis)	*DLD*
☐	3460	*DLD* Sequence Analysis	*DLD*
☐	3463	*DLD* Deletion/Duplication Analysis	*DLD*
☐	3919	*DLAT* Comprehensive (Seq & Del/Dup Analysis)	*DLAT*
☐	3915	*DLAT* Sequence Analysis	*DLAT*
☐	3918	*DLAT* Deletion/Duplication Analysis	*DLAT*

	Code	Test	Gene
POLG-Related Disorders			*POLG*
☐	3069	*POLG* Comprehensive (Seq & Del/Dup Analysis)	
☐	3065	*POLG* Sequence Analysis	
☐	3068	*POLG* Deletion/Duplication Analysis	
POLG2-Related Disorders			*POLG2*
☐	3384	*POLG2* Comprehensive (Seq & Del/Dup Analysis)	
☐	3380	*POLG2* Sequence Analysis	
☐	3383	*POLG2* Deletion/Duplication Analysis	
Pyruvate Carboxylase Deficiency			*PC*
☐	3754	*PC* Comprehensive (Seq & Del/Dup Analysis)	
☐	3750	*PC* Sequence Analysis	
☐	3753	*PC* Deletion/Duplication Analysis	
RRM2B-Related Disorders			*RRM2B*
☐	3424	*RRM2B* Comprehensive (Seq & Del/Dup Analysis)	
☐	3420	*RRM2B* Sequence Analysis	
☐	3423	*RRM2B* Deletion/Duplication Analysis	
SLC25A4-Related Disorders			*SLC25A4 (ANT1)*
☐	3174	*SLC25A4 (ANT1)* Comprehensive (Seq & Del/Dup Analysis)	
☐	3170	*SLC25A4 (ANT1)* Sequence Analysis	
☐	3173	*SLC25A4 (ANT1)* Deletion/Duplication Analysis	
Spastic Paraplegia 7, Autosomal Recessive			*SPG7*
☐	5335	*SPG7* Sequence Analysis	
SUCLA2-Related Disorders			*SUCLA2*
☐	3379	*SUCLA2* Comprehensive (Seq & Del/Dup Analysis)	
☐	3375	*SUCLA2* Sequence Analysis	
☐	3378	*SUCLA2* Deletion/Duplication Analysis	
SUCLG1-Related Disorders			*SUCLG1*
☐	3394	*SUCLG1* Comprehensive (Seq & Del/Dup Analysis)	
☐	3390	*SUCLG1* Sequence Analysis	
☐	3393	*SUCLG1* Deletion/Duplication Analysis	
TFAM-Related Disorders			*TFAM*
☐	3474	*TFAM* Comprehensive (Seq & Del/Dup Analysis)	
☐	3470	*TFAM* Sequence Analysis	
☐	3473	*TFAM* Deletion/Duplication Analysis	
TFB1M-Related Disorders			*TFB1M*
☐	2274	*TFB1M* Comprehensive (Seq & Del/Dup Analysis)	
☐	2270	*TFB1M* Sequence Analysis	
☐	2273	*TFB1M* Deletion/Duplication Analysis	
TOMM20-Related Disorders			*TOMM20*
☐	3479	*TOMM20* Comprehensive (Seq & Del/Dup Analysis)	
☐	3475	*TOMM20* Sequence Analysis	
☐	3478	*TOMM20* Deletion/Duplication Analysis	

BAYLOR MIRACA GENETICS LABORATORIES
INDICATION CHECKLIST

PATIENT NAME: ______________ ______________ ____
LAST NAME FIRST NAME MI

☐ Clinical management of known diagnosis - Please specify: ____________

☐ Diagnostic Testing - Please complete checklist below.

Please indicate whether each feature is PRESENT by checking the box beside the indication below

CENTRAL NERVOUS SYSTEM

☐	101	dd	Developmental Delay/ID
☐	102	ht	Hypotonia
☐	103	au	Autistic Features
☐	104	enc	Dementia/Encephalopathy
☐	105	ha	Headaches/Migraines
☐	106	stk	Stroke, Ischemic Episodes
☐	107	atx	Ataxia
☐	108	sz	Intractable/Refractory/Myoclonus/ Myoclonic Seizures
☐	109	pi	Perinatal Insult
☐	110	ps	Pyramidal Signs
☐	111	hp	Hemiparesis
☐	112	spas	Spasticity
☐	113	dyst	Dystonia
☐	114	cho	Chorea
☐	115	sib	Self-Injury
☐	116	sd	Language Problems/Speech Delay
☐	117	fp	Feeding Problems
☐	118	es	Excessive Sleepiness/Sleep Disturbance
☐	119	let	Lethargy
☐	120	cm	Coma

NEUROMUSCULAR

☐	201	pn	Peripheral Neuropathy
☐	202	exi	Exercise Intolerance
☐	203	pmw	Progressive Muscle Weakness
☐	204	smw	Static Muscle Weakness
☐	205	cr	Muscle Cramps after Exercise
☐	206	fat	Easy Fatigability
☐	207	dcmyo	Dilated Cardiomyopathy
☐	208	hcmyo	Hypertrophic Cardiomyopathy
☐	209	hb	Heart Block
☐	210	ar	Arrhythmia
☐	211	op	Ophthalmoparesis, CPEO
☐	212	emg	Abnormal EMG/NCV
☐	213	pto	Ptosis
☐	214	eh	Cardiomegaly/Enlarged heart

VISCERAL

☐	301	gir	Gastrointestinal Reflux
☐	302	dge	Delayed Gastric Emptying
☐	303	pan	Pancreatitis
☐	304	dia	Diarrhea
☐	305	cst	Constipation
☐	306	cv	Cyclic Vomiting
☐	307	pob	Pseudoobstruction
☐	308	hpf	Hepatic Failure

VISCERAL (cont.)

☐	309	eta	Elevated Transaminases
☐	310	rtd	Renal Tubular Disease
☐	311	ap	Apnea/Hypoventilation
☐	312	rsf	Respiratory Deficiency/Failure
☐	313	ren	Renal Dysfunction
☐	314	lc	Liver Carcinoma
☐	315	jau	Jaundice
☐	316	spm	Splenomegaly/Enlarged Spleen
☐	317	hpm	Hepatomegaly/Enlarged Liver
☐	318	hd	Hepatic Dysfunction

METABOLITES/METABOLIC

☐	400	nbs	Abnormal Newborn Screen: ________
☐	401	kto	Ketosis
☐	402	dca	Dicarboxylic Aciduria
☐	403	la	Lactic Acidosis
☐	404	csfl	High CSF Lactate
☐	405	oa	Organic Aciduria: ________
☐	406	lpc	Low Plasma Carnitine
☐	407	cpk	CPK abnormalities
☐	408	pyr	Elevated Pyruvate
☐	409	ala	Elevated Alanine
☐	410	3mg	3-Methylglutaconic Aciduria
☐	411	acid	Acidosis
☐	412	NH3	Hyperammonemia
☐	413	hypo	Hypoglycemia
☐	414	hyper	Hyperglycemia
☐	415	uco	Unusual Color/Odor

SENSORY

☐	501	rp	Retinitis Pigmentosa
☐	502	opa	Optic Atrophy
☐	503	cat	Cataract
☐	504	hl	Sensorineural Hearing Loss
☐	505	trv	Tortuous Retinal Vessels
☐	506	crs	Cherry Red Spot/Eye
☐	507	co	Corneal Opacity
☐	508	el	Ectopia Lentis
☐	509	pp	Photophobia

ENDOCRINE

☐	601	db	Diabetes
☐	602	pd	Exocrine/Pancreatic Deficiency
☐	603	gf	Gonadal Failure
☐	604	hth	Hypothyroidism
☐	605	hpt	Hypoparathyroidism
☐	606	adr	Hypo/Hyper-adrenal Function
☐	607	ss	Short Stature

ENDOCRINE (cont.)

☐	608	adc	Adrenal Calcification
☐	609	hf	Hydrops Fetalis
☐	610	pg	Pregnant

OTHER CLINICAL

☐	701	ftt	Failure to Thrive
☐	702	mce	Microcephaly
☐	703	sids	SIDS/Unexplained Death
☐	704	ca	Congenital Anomalies
☐	705	dys	Dysmorphic Features
☐	706	id	Immunodeficiency
☐	707	ma	Macrocytic Anemia
☐	708	pcbm	Pancytopenia/Bone Marrow Failure
☐	709	np	Neutropenia
☐	710	mc	Macrocephaly
☐	711	cf	Course Features
☐	712	sa	Skeletal Anomalies
☐	713	art	Arthritis

HAIR/SKIN FINDINGS

☐	714	rash	Rashes w/Hypopigmentation
☐	715	htii	Hypertrichosis
☐	716	alp	Alopecia
☐	717	ac	Acrocyanosis
☐	718	ak	Angiokeratoma
☐	719	ic	Ichthyosis

FAMILY HISTORY

☐	001	mut	Mutation*
☐	002	mi	Evidence of Maternal Inheritance

ELECTROPHYSIOLOGY

☐	801	baers	Abnormal BAERS
☐	802	vers	Abnormal VERS
☐	803	eeg	Abnormal EEG

IMAGING/OTHER STUDIES

☐	804	bg	Increased Signal Basal Ganglia
☐	805	dmy	Delayed Myelination
☐	806	cea	Cerebellar Atrophy
☐	807	pstk	Posterior Stroke
☐	808	leuk	Leukodystrophy
☐	809	mrsl	MRS/Lactate Peak
☐	810	mri	Abnormal MRI

MUSCLE BIOPSY

☐	901	his	Abnormal Histology
☐	902	em	Abnormal Ultrastructure (EM)
☐	903	enz	Abnormal Respiratory Enzymes
☐	904	prol	Large Mitochondria/Proliferation
☐	905	cox	COX Deficiency
☐	906	rrf	Ragged Red Fibers

* ATTACH DETAILS

If more detailed clinical information is required, please provide the name, e-mail address, and phone number of the contact person below.

LAST UPDATED: 3/18/2015

BAYLOR MIRACA GENETICS LABORATORIES

PHONE: 800-411-GENE | FAX: 713-798-2787 | www.bmgl.com

SHIP TO: Baylor Miraca Genetics Laboratories
2450 Holcombe, Grand Blvd. -Receiving Dock
Houston, TX 77021-2024
Phone: 713-798-6555

MITOCHONDRIAL DNA (mtDNA) TEST REQUISITION

BILLING INFORMATION

IMPORTANT NOTICE: ONE OF THE THREE FOLLOWING BILLING OPTIONS MUST BE INDICATED BELOW.
PLEASE FORWARD ALL BILLING QUESTIONS TO: MEDGENBILLING@BCM.EDU

PATIENT INFORMATION

PATIENT NAME (LAST,FIRST, MI): ______ PATIENT DATE OF BIRTH (MM/DD/YY): ______

ADDRESS: ______ CITY, STATE, ZIP: ______

PHONE: ______ EMAIL: ______

☐ PAYMENT OPTION 1 - INSTITUTION

INSTITUTION NAME: ______ INSTITUTION CODE: ______

CONTACT NAME: ______ EMAIL (REQUIRED): ______

BILLING ADDRESS: ______ CITY, STATE, ZIP: ______

PHONE: ______ FAX: ______

☐ PAYMENT OPTION 2 - SELF-PAY (PAYMENT MUST ACCOMPANY SAMPLE)

☐ CREDIT CARD (PLEASE SELECT ONE): ◯ AMEX ◯ DISCOVER ◯ MC ◯ VISA

VALID CARD #: ______ EXPIRATION DATE (MM/YY): ______ CVC CODE: ______

BILLING ADDRESS: ______ CITY, STATE, ZIP: ______

CARDHOLDER PRINTED NAME: ______ CARDHOLDER SIGNATURE: ______

☐ CHECK/MONEY ORDER: CHECK/MONEY ORDER #: ______ AMOUNT ENCLOSED: ______

☐ PAYMENT OPTION 3 - INSURANCE

PROVIDE A LEGIBLE PHOTOCOPY OF THE FRONT & BACK OF THE INSURANCE CARD OR HMO/MEDICAID HMO AUTHORIZATION/REFERRAL.

Please refer to the Financial Policy at www.bmgl.com for complete insurance filing information and managed care contract list. Insurance is filed to our contracted carriers as a client service courtesy. Patients are responsible for non-covered services, deductibles, co-insurance, contract exclusions, non-authorized services, and remaining balances after insurance reimbursement. HMO policies must have required approved authorizations. Baylor Miraca Genetics Laboratories cannot bill out-of-state welfare programs. We accept authorized Texas Medicaid HMO covered charges for genetic testing. Please contact our office prior to submitting a Texas Medicaid sample. Contact medgenbilling@bcm.edu with questions.

ORDERING PROVIDER: ______

ICD9 Diagnosis Code(s) - must be provided or insurance cannot be filed: ______

◯ PPO, POS, Commercial Insurance - Provide complete member information with legible front & back photocopy of insurance card.

◯ HMO - Provide approved authorization #: ______ and attach legible front & back photocopy of insurance card.

◯ Texas Medicaid HMO - Provide approved authorization #: ______ and contact Billing at 713-798-6555.

INSURED MEMBER'S INFORMATION

MEMBER NAME (Last, First, MI): ______ MEMBER DATE OF BIRTH (MM/DD/YY): ______ GENDER: ◯ FEMALE ◯ MALE

MEMBER POLICY #: ______ MEMBER SS #: ______ MEMBER GROUP #: ______

INSURANCE CO. NAME: ______ PHONE: ______

INSURANCE CO. ADDRESS: ______ CITY, STATE, ZIP: ______

I AUTHORIZE BAYLOR MIRACA GENETICS LABORATORIES TO FURNISH ANY MEDICAL INFORMATION REQUESTED ON MYSELF, OR MY COVERED DEPENDENTS. IN CONSIDERATION OF SERVICES RENDERED, I TRANSFER AND ASSIGN ANY BENEFITS OF INSURANCE TO BAYLOR MIRACA GENETICS LABORATORIES. I UNDERSTAND I AM RESPONSIBLE FOR ANY CO-PAY, DEDUCTIBLES, OR NON-AUTHORIZED SERVICES AND REMAINING BALANCES AFTER INSURANCE REIMBURSEMENT. I UNDERSTAND I AM FULLY RESPONSIBLE FOR PAYMENT OF MY ACCOUNT IF BAYLOR MIRACA GENETICS LABORATORIES IS NOT A PARTICIPANT WITH MY HEALTH PLAN, AND MY HEALTH PLAN DOES NOT FULLY REIMBURSE MY MEDICAL SERVICES DUE TO LACK OF AUTHORIZATION OR MEDICAL NECESSITY.

PRINTED NAME: ______ SIGNATURE: ______ DATE (MM/YY): ______

LAST UPDATED: 8/3/2015