

# Requisition for DNA Testing

## Reason for Referral:

- Diagnostic Testing:
  - Affected
  - Unaffected
- Carrier testing/Known Family Mutation

Name of index case in the family *(include copy of report)*: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Relationship to this patient: \_\_\_\_\_

Gene: \_\_\_\_\_ Mutation: \_\_\_\_\_

RefSeq:NM: \_\_\_\_\_

- Prenatal Diagnosis
- DNA Banking
- RNA Banking
- Referral to an outside laboratory *(must specify lab)*: \_\_\_\_\_

## Patient Information:

INCOMPLETE REQUESTS WILL BE BANKED

Name: \_\_\_\_\_

Birthdate: \_\_\_\_\_

Address: \_\_\_\_\_

Sex:  Male  Female

Health Card Number: \_\_\_\_\_

## Test Requests:

Use attached menu to select panels or individual genes. Panels, sub-panels or individual genes may be selected using the checkbox adjacent to the item of interest.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Sample Collection:

Date drawn: *(YYYY/MM/DD)* \_\_\_\_\_

- EDTA blood (lavender top)(min. 2ml at room temp)
- EDTA bone marrow (lavender top)(min. 2ml at room temp)
- DNA (100ng to 1ug): \_\_\_\_\_ ug
- Fresh/Frozen Tissue *(provide tissue source)*: \_\_\_\_\_
- Formalin fixed paraffin embedded tissue (FFPE) (slides preferred)
- Other: \_\_\_\_\_

## Request for Expedited Result:

Pregnancy *(L.M.P., YY/MM/DD)*: \_\_\_\_\_

Medical intervention *(specify with date)*: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Clinical Diagnostics and Family History:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## AUTHORIZED SIGNATURE IS REQUIRED

### Referring Physician:

Physician name (print): \_\_\_\_\_

Signature: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail address: \_\_\_\_\_

### CC report to:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

## Lab Use Only:

Received date: \_\_\_\_\_

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

MOLECULAR GENETICS LABORATORY  
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 London, Ontario | N6A 5W9

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Pathology and Laboratory Medicine

# Requisition for DNA Testing

**FOR SAMPLE REQUIREMENTS SEE:** <http://www.lhsc.on.ca/lab/molegen/index.htm>

## Patient Information:

Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

## NGS Panels (includes deletion/duplication analysis)

### Hereditary Cancer (if patient meets OBSP criteria, please use provincial cancer requisition)

- Hereditary Cancer – Comprehensive (38)**  
APC (incl. 5'UTR), ATM, BARD1, BMPR1A, BRCA1, BRCA2, BRIP1, CDH1, CDK4, CDKN2A, CHEK2, CTNNA1, EPCAM, FANCC, FANCM, FLCN, GREM1, HOXB13, MEN1, MLH1 (incl. 5'UTR), MSH2, MSH3, MSH6, MUTYH, NBN, NTHL3, PALB2, PMS2, POLE, POLD1, PTEN (incl. 5'UTR), RAD51C, RAD51D, SDHB, SMAD4, STK11, TP53
- Hereditary Cancer – High Penetrance (16)**  
APC (incl. 5'UTR), ATM, BRCA1, BRCA2, CDH1, CHEK2, EPCAM, MLH1 (incl. 5'UTR), MSH2, MSH6, MUTYH, PALB2, PMS2, PTEN (incl. 5'UTR), STK11, TP53
- Hereditary Cancer – Breast/Ovarian (19)**  
ATM, BARD1, BRCA1, BRCA2, BRIP1, CDH1, CHEK2, EPCAM, FANCC, FANCM, FLCN, MLH1 (incl. 5'UTR), MSH2, MSH6, NBN, PALB2, PMS2, PTEN (incl. 5'UTR), RAD51D, RAD51C, STK11 TP53
- Hereditary Cancer – Colorectal/Gastric Cancer (20)**  
APC (incl. 5'UTR), BMPR1A, CDH1, CDK4, CHEK2, CTNNA1, EPCAM, GREM1, MLH1 (incl. 5'UTR), MSH2, MSH6, MUTYH, PMS2, POLD1, POLE, PTEN (incl. 5'UTR), SDHB, SMAD4, STK11, TP53

### Hereditary Cancer – Individual selections

- |                                            |                                 |                                |                                             |                                |                                |                                             |                                 |
|--------------------------------------------|---------------------------------|--------------------------------|---------------------------------------------|--------------------------------|--------------------------------|---------------------------------------------|---------------------------------|
| <input type="checkbox"/> APC (incl. 5'UTR) | <input type="checkbox"/> ATM    | <input type="checkbox"/> BARD1 | <input type="checkbox"/> BMPR1A             | <input type="checkbox"/> BRCA1 | <input type="checkbox"/> BRCA2 | <input type="checkbox"/> BRIP1              | <input type="checkbox"/> CDH1   |
| <input type="checkbox"/> CDK4              | <input type="checkbox"/> CDKN2A | <input type="checkbox"/> CHEK2 | <input type="checkbox"/> CTNNA1             | <input type="checkbox"/> EPCAM | <input type="checkbox"/> FANCC | <input type="checkbox"/> FANCM              | <input type="checkbox"/> FLCN   |
| <input type="checkbox"/> GREM1             | <input type="checkbox"/> HOXB13 | <input type="checkbox"/> MEN1  | <input type="checkbox"/> MLH1 (incl. 5'UTR) | <input type="checkbox"/> MSH2  | <input type="checkbox"/> MSH3  | <input type="checkbox"/> MSH6               | <input type="checkbox"/> MUTYH  |
| <input type="checkbox"/> NBN               | <input type="checkbox"/> NTHL1  | <input type="checkbox"/> PALB2 | <input type="checkbox"/> PMS2               | <input type="checkbox"/> POLD1 | <input type="checkbox"/> POLE  | <input type="checkbox"/> PTEN (incl. 5'UTR) | <input type="checkbox"/> RAD51C |
| <input type="checkbox"/> RAD51D            | <input type="checkbox"/> SDHB   | <input type="checkbox"/> SMAD4 | <input type="checkbox"/> STK11              | <input type="checkbox"/> TP53  |                                |                                             |                                 |

### Charcot Marie Tooth

- Charcot Marie Tooth, HNPP – Comprehensive (34)**  
AARS, AIFM1, DNAJB2, DYNC1H1, EGR2, FGD4, FIG4, GARS, GDAP1, GJB1, HSPB1, HSPB8, IGHMBP2, KIF1B, LITAF, LMNA, LRSAM1, MARS, MED25, MFN2, MPZ, MTMR2, NDRG1, NEFL, PDK3, PMP22, PRPS1, PRX, RAB7A, SBF2, SH3TC2, SPTLC1, TRPV4, TTR
- Charcot Marie Tooth – Type1 (10)**  
EGR2, FIG4, GDAP1, GJB1, LITAF, MPZ, NEFL, PMP22, PRX, SH3TC2
- Charcot Marie Tooth – Type2 (28)**  
AARS, AIFM1, DNAJB2, DYNC1H1, FGD4, GARS, GDAP1, GJB1, HSPB1, HSPB8, IGHMBP2, KIF1B, LMNA, LRSAM1, MARS, MED25, MFN2, MPZ, MTMR2, NDRG1, NEFL, PDK3, PRPS1, RAB7A, SBF2, SPTLC1, TRPV4, TTR

### Charcot Marie Tooth – Individual selections

- |                                 |                                |                                 |                                  |                                  |                                |                                 |                                 |
|---------------------------------|--------------------------------|---------------------------------|----------------------------------|----------------------------------|--------------------------------|---------------------------------|---------------------------------|
| <input type="checkbox"/> AARS   | <input type="checkbox"/> AIFM1 | <input type="checkbox"/> DNAJB2 | <input type="checkbox"/> DYNC1H1 | <input type="checkbox"/> EGR2    | <input type="checkbox"/> FGD4  | <input type="checkbox"/> FIG4   | <input type="checkbox"/> GARS   |
| <input type="checkbox"/> GDAP1  | <input type="checkbox"/> GJB1  | <input type="checkbox"/> HSPB1  | <input type="checkbox"/> HSPB8   | <input type="checkbox"/> IGHMBP2 | <input type="checkbox"/> KIF1B | <input type="checkbox"/> LITAF  | <input type="checkbox"/> LMNA   |
| <input type="checkbox"/> LRSAM1 | <input type="checkbox"/> MARS  | <input type="checkbox"/> MED25  | <input type="checkbox"/> MFN2    | <input type="checkbox"/> MPZ     | <input type="checkbox"/> MTMR2 | <input type="checkbox"/> NDRG1  | <input type="checkbox"/> NEFL   |
| <input type="checkbox"/> PDK3   | <input type="checkbox"/> PMP22 | <input type="checkbox"/> PRPS1  | <input type="checkbox"/> PRX     | <input type="checkbox"/> RAB7A   | <input type="checkbox"/> SBF2  | <input type="checkbox"/> SH3TC2 | <input type="checkbox"/> SPTLC1 |
| <input type="checkbox"/> TRPV4  | <input type="checkbox"/> TTR   |                                 |                                  |                                  |                                |                                 |                                 |

# Requisition for DNA Testing

## Lysosomal Storage Disorders

**Lysosomal Storage Disorders (50)**

AGA, ARSA, ARSB, ASAH1, CLN3, CLN5, CLN6, CLN8, CLN9, CTNS, CTSA, CTSD, CTSK, DNAJC5, FUCA1, GAA, GALC, GALNS, GBA, GLA, GLB1, GM2A, GNPTAB, GNPTG, GNS, GRN, GUSB, HEXA, HEXB, HGSNAT, HYAL1, IDS, IDUA, LAMP2, LIPA, MAN2B1, MANBA, MCOLN1, MFSD8, NAGA, NAGLU, NEU1, NPC1, NPC2, PPT1, PSAP, SGSH, SLC17A5, SMPD1, SUMF1, TPP1

### Lysosomal Storage Disorders – Individual selections

- |                                |                               |                                 |                                |                                 |                                 |                                  |                                |
|--------------------------------|-------------------------------|---------------------------------|--------------------------------|---------------------------------|---------------------------------|----------------------------------|--------------------------------|
| <input type="checkbox"/> AGA   | <input type="checkbox"/> ARSA | <input type="checkbox"/> ARSB   | <input type="checkbox"/> ASAH1 | <input type="checkbox"/> CLN3   | <input type="checkbox"/> CLN5   | <input type="checkbox"/> CLN6    | <input type="checkbox"/> CLN8  |
| <input type="checkbox"/> CTNS  | <input type="checkbox"/> CTSA | <input type="checkbox"/> CTSD   | <input type="checkbox"/> CTSK  | <input type="checkbox"/> DNAJC5 | <input type="checkbox"/> FUCA1  | <input type="checkbox"/> GAA     | <input type="checkbox"/> GALC  |
| <input type="checkbox"/> GALNS | <input type="checkbox"/> GBA  | <input type="checkbox"/> GLA    | <input type="checkbox"/> GLB1  | <input type="checkbox"/> GM2A   | <input type="checkbox"/> GNPTAB | <input type="checkbox"/> GNPTG   | <input type="checkbox"/> GNS   |
| <input type="checkbox"/> GRN   | <input type="checkbox"/> GUSB | <input type="checkbox"/> HEXA   | <input type="checkbox"/> HEXB  | <input type="checkbox"/> HGSNAT | <input type="checkbox"/> HYAL1  | <input type="checkbox"/> IDS     | <input type="checkbox"/> IDUA  |
| <input type="checkbox"/> LAMP2 | <input type="checkbox"/> LIPA | <input type="checkbox"/> MAN2B1 | <input type="checkbox"/> MANBA | <input type="checkbox"/> MCOLN1 | <input type="checkbox"/> MFSD8  | <input type="checkbox"/> NAGA    | <input type="checkbox"/> NAGLU |
| <input type="checkbox"/> NEU1  | <input type="checkbox"/> NPC1 | <input type="checkbox"/> NPC2   | <input type="checkbox"/> PPT1  | <input type="checkbox"/> PSAP   | <input type="checkbox"/> SGSH   | <input type="checkbox"/> SLC17A5 | <input type="checkbox"/> SMPD1 |
| <input type="checkbox"/> SUMF1 | <input type="checkbox"/> TPP1 |                                 |                                |                                 |                                 |                                  |                                |

## Urea Cycle Disorders

**Urea Cycle Disorders Panel (13)**

ARG, ASL, ASS1, CA5A, CPS1, GLUD1, GLUL, NAGS, OTC, SLC25A2, SLC25A13, SLC25A15, SLC7A7

### Urea Cycle Disorders – Individual selections

- |                              |                                  |                                   |                                   |                                 |                                |                               |                               |
|------------------------------|----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|--------------------------------|-------------------------------|-------------------------------|
| <input type="checkbox"/> ARG | <input type="checkbox"/> ASL     | <input type="checkbox"/> ASS1     | <input type="checkbox"/> CA5A     | <input type="checkbox"/> CPS1   | <input type="checkbox"/> GLUD1 | <input type="checkbox"/> GLUL | <input type="checkbox"/> NAGS |
| <input type="checkbox"/> OTC | <input type="checkbox"/> SLC25A2 | <input type="checkbox"/> SLC25A13 | <input type="checkbox"/> SLC25A15 | <input type="checkbox"/> SLC7A7 |                                |                               |                               |

## Mitochondrial Genome and Depletion/Integrity Panel

**Mitochondrial Genome and Depletion/Integrity Panel (56)**

**Mitochondrial encoded genes:** ATP6, ATP8, COX1, COX2, COX3, CYTB, ND1, ND2, ND3, ND4, ND4L, ND5, ND6, RNR1, RNR2, TRNA, TRNC, TRND, TRNE, TRNF, TRNG, TRNH, TRNI, TRNK, TRNL1, TRNL2, TRNM, TRNN, TRNP, TRNQ, TRNR, TRNS, TRNS2, TRNT, TRNV, TRNW, TRNY

**Nuclear encoded genes:** APTX, DGUOK, DNA2, FBXL4, GFER, MGME1, MPV17, OPA1, OPA3 (isoform A & B), POLG, POLG2, RRM2B, SLC25A4, SPG7 (isoform 1 & 2), SUCLA2, SUCLG1, TK2, TWNK, TYMP

### Mitochondrial Genome and Depletion and Integrity – Individual selections

*Mitochondrial encoded genes:*

- |                                |                                |                               |                               |                               |                               |                               |                               |
|--------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <input type="checkbox"/> ATP6  | <input type="checkbox"/> ATP8  | <input type="checkbox"/> COX1 | <input type="checkbox"/> COX2 | <input type="checkbox"/> COX3 | <input type="checkbox"/> CYTB | <input type="checkbox"/> ND1  | <input type="checkbox"/> ND2  |
| <input type="checkbox"/> ND3   | <input type="checkbox"/> ND4   | <input type="checkbox"/> ND4L | <input type="checkbox"/> ND5  | <input type="checkbox"/> ND6  | <input type="checkbox"/> RNR1 | <input type="checkbox"/> RNR2 | <input type="checkbox"/> TRNA |
| <input type="checkbox"/> TRNC  | <input type="checkbox"/> TRND  | <input type="checkbox"/> TRNE | <input type="checkbox"/> TRNF | <input type="checkbox"/> TRNG | <input type="checkbox"/> TRNH | <input type="checkbox"/> TRNI | <input type="checkbox"/> TRNK |
| <input type="checkbox"/> TRNL1 | <input type="checkbox"/> TRNL2 | <input type="checkbox"/> TRNM | <input type="checkbox"/> TRNN | <input type="checkbox"/> TRNP | <input type="checkbox"/> TRNQ | <input type="checkbox"/> TRNR | <input type="checkbox"/> TRNS |
| <input type="checkbox"/> TRNS2 | <input type="checkbox"/> TRNT  | <input type="checkbox"/> TRNV | <input type="checkbox"/> TRNW | <input type="checkbox"/> TRNY |                               |                               |                               |

*Nuclear encoded genes:*

- |                                               |                                           |                                |                                |                                  |                                               |                                 |                                 |
|-----------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------|----------------------------------|-----------------------------------------------|---------------------------------|---------------------------------|
| <input type="checkbox"/> APTX                 | <input type="checkbox"/> DGUOK            | <input type="checkbox"/> DNA2  | <input type="checkbox"/> FBXL4 | <input type="checkbox"/> GFER    | <input type="checkbox"/> MGME1                | <input type="checkbox"/> MPV17  | <input type="checkbox"/> OPA1   |
| <input type="checkbox"/> OPA3 (isoform A & B) | <input type="checkbox"/> POLG             | <input type="checkbox"/> POLG2 | <input type="checkbox"/> RRM2B | <input type="checkbox"/> SLC25A4 | <input type="checkbox"/> SPG7 (isoform A & B) | <input type="checkbox"/> SUCLA2 | <input type="checkbox"/> SUCLG1 |
| <input type="checkbox"/> TK2                  | <input type="checkbox"/> TWNK (C10 or f2) | <input type="checkbox"/> TYMP  |                                |                                  |                                               |                                 |                                 |

## Cancer Hotspot Panel v2 (Ion Ampliseq)

(Tumour FFPE samples only)

- |                                            |                               |                               |                                                                             |
|--------------------------------------------|-------------------------------|-------------------------------|-----------------------------------------------------------------------------|
| <input type="checkbox"/> ERAS (KRAS, NRAS) | <input type="checkbox"/> BRAF | <input type="checkbox"/> EGFR | <input type="checkbox"/> FULL screen (2800 COSMIC mutations, research only) |
|--------------------------------------------|-------------------------------|-------------------------------|-----------------------------------------------------------------------------|

# Requisition for DNA Testing

## Single Genes by NGS (includes deletion/duplication analysis)

- |                                                                                    |                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <input type="checkbox"/> <b>ACADM</b> – Medium Chain Acyl CoA Dehydrogenase (MCAD) | <input type="checkbox"/> <b>NPC1</b> – Niemann-Pick Disease 1       |
| <input type="checkbox"/> <b>GJB2 (CX26) / GJB6 (CX30)</b> – Recessive Deafness     | <input type="checkbox"/> <b>NPC2</b> – Niemann-Pick Disease 2       |
| <input type="checkbox"/> <b>MECP2</b> – RETT Syndrome                              | <input type="checkbox"/> <b>ARSA</b> – Metachromatic Leukodystrophy |
| <input type="checkbox"/> <b>MEN1</b> – Multiple Endocrine Neoplasia Type 1         | <input type="checkbox"/> <b>CTNS</b> – Cystinosis                   |
| <input type="checkbox"/> <b>NOTCH3</b> – CADASIL                                   | <input type="checkbox"/> <b>CLN2</b> – Batten Disease               |
| <input type="checkbox"/> <b>TP53</b> – Li-Fraumeni Syndrome                        | <input type="checkbox"/> <b>CLN3</b> – Batten Disease               |
| <input type="checkbox"/> <b>RET</b> – Multiple Endocrine Neoplasia Type 2 / FMTC   | <input type="checkbox"/> <b>OTC</b> – Ornithine Transcarbamylase    |
| <input type="checkbox"/> <b>SCN4A</b> – Paramyotonia Congenita                     | <input type="checkbox"/> <b>ARG1</b> – Arginase Deficiency          |
| <input type="checkbox"/> <b>SPTLC1</b> – Hereditary Sensory Neuropathy             |                                                                     |

## Targeted Assays

- |                                                                                                |                                                                                                                                         |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> <b>BCR-ABL</b> – CML minimal residual disease (quantitative RT-PCR)   | <input type="checkbox"/> <b>F2</b> – Prothrombin G20210A (F2:c.97G>A) (Mass Array)                                                      |
| <input type="checkbox"/> <b>B-Cell Clonality (Lymphoma)</b> (fragment analysis)                | <input type="checkbox"/> <b>F5</b> – Factor V Leiden (F5:p.R534Q) (Mass Array)                                                          |
| <input type="checkbox"/> <b>T-Cell Clonality (Lymphoma)</b> (fragment analysis)                | <input type="checkbox"/> <b>HFE</b> – Hemochromatosis p.C282Y and p.H63D (Mass Array)                                                   |
| <input type="checkbox"/> <b>CFTR</b> – Cystic Fibrosis -70 mutation screen (Mass Array)        | <input type="checkbox"/> <b>MCC/Identity testing</b> – Maternal cell contamination/<br>tissue contamination studies (fragment analysis) |
| <input type="checkbox"/> <b>JAK2-p.V617F</b> – Myeloproliferative disorders (quantitative PCR) |                                                                                                                                         |

## NGS Panels for Research Purposes Only (includes deletion/duplication analysis)

### Epilepsy (Available for research purposes only)

- Epilepsy – Comprehensive (69)**  
ALDH7A1, AMT, ARX, ASAH1, ATP1A2, ATP1A3, CDKL5, CERS1, CHD2, CHRNA7, CNTNAP2, CSTB, DNM1, DOCK7, EPM2A, FOLR1, FOXG1, GAMT, GATM, GLDC, GOSR2, GRIN2A, GRIN2B, HCN1, KCNC1, KCNJ10, KCNJ11, KCNQ2, KCNQ3, KCNT1, KCTD7, LMNB2, MBD5, MECP2, MEF2C, MOCS1, NECAP1, NEU1, NHLRC1, NRXN1, PCDH19, PHGDH, PLCB1, PNKP, PNPO, POLG, PRICKLE2, PRR2, PSAT1, PSPH, SCARB2, SCN1A, SCN1B, SCN2A, SCN8A, SCN9A, SLC2A1, SLC6A8, SLC9A6, SPTAN1, STXB1, SUOX, SYNGAP1, TBC1D24, TCF4, TSC1, TSC2, UBE3A, ZEB2
- Epilepsy – Management Impact (16)**  
ALDH7A1, AMT, FOLR1, GAMT, GATM, GLDC, MOCS1, PHGDH, PNPO, POLG, PSAT1, PSPH, SCN1A, SLC2A1, SLC6A8, SUOX
- Epilepsy – Progressive myoclonic (12)**  
ASAH1, CERS1, CSTB, EPM2A, GOSR2, KCNC1, KCTD7, LMNB2, NEU1, NHLRC1, PRICKLE2, SCARB2
- Epilepsy – Severe Phenotype (19)**  
ARX, CDKL5, CHD2, DNM1, DOCK7, GRIN2A, GRIN2B, HCN1, KCNQ2, MECP2, MEF2C, NECAP1, PCDH19, SCN1B, SCN2A, SCN8A, SPTAN1, STXB1, SYNGAP1
- Epilepsy – Syndromes of Infancy (22)**  
ATP1A2, ATP1A3, CHRNA7, CNTNAP2, FOXG1, KCNJ10, KCNJ11, KCNQ3, KCNT1, MBD5, NRXN1, PLCB1, PNKP, PRR2, SCN9A, SLC9A6, TBC1D24, TCF4, TSC1, TSC2, UBE3A, ZEB2

### Epilepsy – Individual selections

- |                                  |                                 |                                  |                                 |                                 |                                 |                                   |                                  |
|----------------------------------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------------------|----------------------------------|
| <input type="checkbox"/> ALDH7A1 | <input type="checkbox"/> AMT    | <input type="checkbox"/> ARX     | <input type="checkbox"/> ASAH1  | <input type="checkbox"/> ATP1A2 | <input type="checkbox"/> ATP1A3 | <input type="checkbox"/> CDKL5    | <input type="checkbox"/> CERS1   |
| <input type="checkbox"/> CHD2    | <input type="checkbox"/> CHRNA7 | <input type="checkbox"/> CNTNAP2 | <input type="checkbox"/> CSTB   | <input type="checkbox"/> DNM1   | <input type="checkbox"/> DOCK7  | <input type="checkbox"/> EPM2A    | <input type="checkbox"/> FOLR1   |
| <input type="checkbox"/> FOXG1   | <input type="checkbox"/> GAMT   | <input type="checkbox"/> GATM    | <input type="checkbox"/> GLDC   | <input type="checkbox"/> GOSR2  | <input type="checkbox"/> GRIN2A | <input type="checkbox"/> GRIN2B   | <input type="checkbox"/> HCN1    |
| <input type="checkbox"/> KCNC1   | <input type="checkbox"/> KCNJ10 | <input type="checkbox"/> KCNJ11  | <input type="checkbox"/> KCNQ2  | <input type="checkbox"/> KCNQ3  | <input type="checkbox"/> KCNT1  | <input type="checkbox"/> KCTD7    | <input type="checkbox"/> LMNB2   |
| <input type="checkbox"/> MBD5    | <input type="checkbox"/> MECP2  | <input type="checkbox"/> MEF2C   | <input type="checkbox"/> MOCS1  | <input type="checkbox"/> NECAP1 | <input type="checkbox"/> NEU1   | <input type="checkbox"/> NHLRC1   | <input type="checkbox"/> NRXN1   |
| <input type="checkbox"/> PCDH19  | <input type="checkbox"/> PHGDH  | <input type="checkbox"/> PLCB1   | <input type="checkbox"/> PNKP   | <input type="checkbox"/> PNPO   | <input type="checkbox"/> POLG   | <input type="checkbox"/> PRICKLE2 | <input type="checkbox"/> PRR2    |
| <input type="checkbox"/> PSAT1   | <input type="checkbox"/> PSPH   | <input type="checkbox"/> SCARB2  | <input type="checkbox"/> SCN1A  | <input type="checkbox"/> SCN1B  | <input type="checkbox"/> SCN2A  | <input type="checkbox"/> SCN8A    | <input type="checkbox"/> SCN9A   |
| <input type="checkbox"/> SLC2A1  | <input type="checkbox"/> SLC6A8 | <input type="checkbox"/> SLC9A6  | <input type="checkbox"/> SPTAN1 | <input type="checkbox"/> STXB1  | <input type="checkbox"/> SUOX   | <input type="checkbox"/> SYNGAP1  | <input type="checkbox"/> TBC1D24 |
| <input type="checkbox"/> TCF4    | <input type="checkbox"/> TSC1   | <input type="checkbox"/> TSC2    | <input type="checkbox"/> UBE3A  | <input type="checkbox"/> ZEB2   |                                 |                                   |                                  |

# Requisition for DNA Testing

## Hyperferritinemia (Available for research purposes only)

**Hyperferritinemia Panel (15)**

ALAS2, B2M, CDAN1, CP, FTH1, FTL, HAMP, HFE, HFE2, SEC23B, SLC25A38, SLC40A1, STEAP3, TF, TFR2

### Hyperferritinemia – Individual selections

- |                                |                                 |                                   |                                  |                                 |                              |                               |                              |
|--------------------------------|---------------------------------|-----------------------------------|----------------------------------|---------------------------------|------------------------------|-------------------------------|------------------------------|
| <input type="checkbox"/> ALAS2 | <input type="checkbox"/> B2M    | <input type="checkbox"/> CDAN1    | <input type="checkbox"/> CP      | <input type="checkbox"/> FTH1   | <input type="checkbox"/> FTL | <input type="checkbox"/> HAMP | <input type="checkbox"/> HFE |
| <input type="checkbox"/> HFE2  | <input type="checkbox"/> SEC23B | <input type="checkbox"/> SLC25A38 | <input type="checkbox"/> SLC40A1 | <input type="checkbox"/> STEAP3 | <input type="checkbox"/> TF  | <input type="checkbox"/> TFR2 |                              |