



Genetics Diagnostic Laboratory Test Requisition for Mainstream Providers

**Blood Work Instructions
For Non-CHEO Patients:**
Bring requisition to local community lab for blood collection

Sample to be shipped to:
Genetics Diagnostics Laboratory
401 Smyth Road, Rm W3401
Ottawa, ON, K1H 8L1
Tel: (613) 738-3230
Fax: (613) 738-4814
Website: www.cheo.on.ca/GDL

Patient Name:

Last	First	Initial

Health Card Number: _____

DOB (yy/mm/dd): _____

Address: _____

Telephone: _____

Legal Sex: M F U

Optional - Sex assigned at birth: M F U Uncertain Not recorded

Priority of Testing	Sample Type	For Lab Use Only
<input type="checkbox"/> Routine <input type="checkbox"/> Expedited (clinical management contingent upon STAT results)	<input type="checkbox"/> Blood 2x6 mL EDTA <input type="checkbox"/> Blood 2x3 mL EDTA <input type="checkbox"/> Blood 3 mL EDTA <input type="checkbox"/> DNA _____ µg <input type="checkbox"/> Other: _____ source: _____	Collection Date: _____ Collection Centre: _____ Collected By: _____

Billing (Non-OHIP / Institutional Only- *Attach Ministry of Health or IFHP approval documentation)

<input type="checkbox"/> Ministry of Health Approved (e.g. RAMQ)* <input type="checkbox"/> Ministry of Health Pending Approval <input type="checkbox"/> IFHP Approved* <input type="checkbox"/> Non-insured (i.e. self-pay)	<input type="checkbox"/> Institutional Billing (complete details below) Institution Name: _____ City: _____ Province: _____ Postal Code: _____ Tel: _____ Fax: _____
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Authorizing Health Care Provider(s)

<p>Provider Name: _____</p> <p>Registration #: _____</p> <p>Address: _____</p> <p>Telephone: _____ Fax: _____</p> <p>CC Provider: _____</p> <p>Registration #: _____</p> <p>Address: _____</p> <p>Telephone: _____ Fax: _____</p>	<p>Patient Consent and Privacy</p> <p>1. Confirmation of consent: Patients will be able to access reports via CHEO's MyChart or request a copy from the ordering provider. Unless opted out below, positive (P/LP) and VUS results trigger automatic Genetics referral. Negative results may still warrant referral at the clinician's discretion.</p> <p><input type="checkbox"/> Opt-out: Do NOT auto-refer to Genetics or release results to patient. Genetic counselling is recommended for positive/VUS results (find a clinic via the CAGC "Find a Clinic" tool).</p> <p>2. Sharing results for family testing: By checking the box below, the patient authorizes CHEO to use their results to guide testing or interpretation for relatives and share results with family members where required to support testing. Consent can be changed at any time by contacting the lab.</p> <p><input type="checkbox"/> Patient consents to sharing results with family members</p>
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Clinical Indication (required- testing will not proceed unless completed)

For Hereditary Cancer Core Panel:

<input type="checkbox"/> Breast cancer ≤ 50 yrs, TNBC, male, bilateral, or ≥2 primaries <input type="checkbox"/> Epithelial ovarian, fallopian tube, or peritoneal cancer <input type="checkbox"/> Pancreatic or biliary tract cancer <input type="checkbox"/> Guide systemic therapy or surgical decision making	<input type="checkbox"/> Prostate cancer ≤ 50 yrs, metastatic, or high-risk locally advanced <input type="checkbox"/> Colorectal cancer ≤ 50 yrs (refer to Genetics if dMMR) <input type="checkbox"/> Endometrial cancer ≤ 50 yrs (refer to Genetics if dMMR) <input type="checkbox"/> Gastric or GEJ adenocarcinoma ≤ 50 yrs
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For all other panels, specify clinical features: _____

Panel Requested

Hereditary Cancer Core Panel
 TTR only (amyloidosis)
 Adult CM
 Pediatric CM
 Adult HCM
 Pediatric HCM
 Combined Pediatric CM and Arrhythmia
 Combined Adult CM and Arrhythmia
 Comprehensive Thoracic Aortic Aneurysms and Dissections

Gene content - Hereditary Cancer Panels

Panel	# Genes	Genes Included
Hereditary Cancer Core Panel	40	APC, ATM, AXIN2, BAP1, BARD1, BMPR1A, BRCA1, BRCA2, BRIP1, CDH1, CDK4, CDKN2A, CHEK2, CTNNA1, EPCAM, GALNT12, GREM1, HOXB13, MBD4, MLH1, MLH3, MSH2, MSH3, MSH6, MUTYH, NTHL1, PALB2, PMS2, POLD1, POLE, PTEN, RAD51C, RAD51D, RNF43, RPS20, SDHB, SDHD, SMAD4, STK11, TP53

Gene content - Cardiomyopathy and Arrhythmia Panels

Panel	# Genes	Genes Included
Cardiomyopathy Panels		
Adult HCM	45	ABCC9, ACTC1, ACTN2, ALPK3, BRAF, CACNA1C, CSRP3, DES, FHL1, FHOD3, FLNC, GLA, HRAS, JPH2, KLHL24, KRAS, LAMP2, LZTR1, MAP2K1, MAP2K2, MRAS, MT-TI, MYBPC3, MYH7, MYL2, MYL3, MYO6, NRAS, PLN, PPP1CB, PRKAG2, PTPN11, RAF1, RIT1, RRAS2, SHOC2, SOS1, SOS2, TNNC1, TNNI3, TNNT2, TPM1, TRIM63, TTR, VCL
Adult Cardiomyopathy	81	ABCC9, ACADVL, ACTC1, ACTN2, ALPK3, BAG3, BRAF, CACNA1C, CAV3, CSRP3, CTNNA3, DES, DMD, DSC2, DSG2, DSP, DYSF, EMD, FHL1, FHOD3, FKRP, FKTN, FLNC, GAA, GATA4, GLA, HCN4, HRAS, JPH2, JUP, KLHL24, KRAS, LAMP2, LDB3, LMNA, LZTR1, MAP2K1, MAP2K2, MIB1, MRAS, MT-TI, MYBPC3, MYH7, MYL2, MYL3, MYO6, NEXN, NKX2-5, NRAP, NRAS, OBSCN, PKP2, PLEKHM2, PLN, PPP1CB, PRDM16, PRKAG2, PTPN11, RAF1, RBM20, RIT1, RRAGD, RRAS2, RYR2, SCN5A, SHOC2, SOS1, SOS2, TAFAZZIN, TBX5, TMEM43, TMEM70, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TRIM63, TTN, TTR, VCL
Pediatric HCM	56	ABCC9, ACTC1, ACTN2, AGL, ALPK3, BRAF, CACNA1C, CBL, CSRP3, DES, FHL1, FHOD3, FLNC, GAA, GLA, HRAS, JPH2, KLHL24, KRAS, LAMP2, LZTR1, MAP2K1, MAP2K2, MAP3K8, MRAS, MT-TI, MTO1, MYBPC3, MYH7, MYL2, MYL3, MYO6, NF1, NRAS, PLN, PPP1CB, PRKAG2, PTPN11, RAF1, RIT1, RRAS, RRAS2, SHOC2, SLC22A5, SLC25A4, SOS1, SOS2, SPRED2, TAB2, TNNC1, TNNI3, TNNT2, TPM1, TRIM63, TTR, VCL
Pediatric Cardiomyopathy	100	ABCC9, ACADVL, ACTC1, ACTN2, AGL, ALMS1, ALPK3, BAG3, BRAF, CACNA1C, CAV3, CBL, CPT2, CSRP3, CTNNA3, DES, DMD, DSC2, DSG2, DSP, DYSF, EMD, FHL1, FHOD3, FKRP, FKTN, FLNC, GAA, GATA4, GLA, HADHA, HADHB, HCN4, HRAS, JPH2, JUP, KCNE1, KCNE2, KCNH2, KCNJ2, KCNQ1, KLHL24, KRAS, LAMP2, LDB3, LMNA, LZTR1, MAP2K1, MAP2K2, MAP3K8, MIB1, MRAS, MT-TI, MTO1, MYBPC3, MYH7, MYL2, MYL3, MYO6, NEXN, NF1, NKX2-5, NRAP, NRAS, OBSCN, PKP2, PLEKHM2, PLN, PPA2, PPP1CB, PRDM16, PRKAG2, PTPN11, RAF1, RBM20, RIT1, RRAGD, RRAS, RRAS2, RYR2, SCN5A, SGCD, SHOC2, SLC22A5, SLC4A3, SOS1, SOS2, SPRED2, TAB2, TAFAZZIN, TBX20, TBX5, TCAP, TMEM43, TMEM70, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TRIM63, TTN, TTR, VCL
Combined Cardiomyopathy and Arrhythmia Panels		
Adult CM and Arrhythmia	96	ABCC9, ACADVL, ACTC1, ACTN2, ALPK3, BAG3, BRAF, CACNA1C, CALM1, CALM2, CALM3, CASQ2, CAV3, CSRP3, CTNNA3, DES, DMD, DSC2, DSG2, DSP, DYSF, EMD, FHL1, FHOD3, FKRP, FKTN, FLNC, GAA, GATA4, GLA, HCN4, HRAS, JPH2, JUP, KCNE1, KCNE2, KCNH2, KCNJ2, KCNQ1, KLHL24, KRAS, LAMP2, LDB3, LMNA, LZTR1, MAP2K1, MAP2K2, MIB1, MRAS, MT-TI, MYBPC3, MYH7, MYL2, MYL3, MYO6, NEXN, NKX2-5, NRAP, NRAS, OBSCN, PKP2, PLEKHM2, PLN, PPA2, PPP1CB, PRDM16, PRKAG2, PTPN11, RAF1, RBM20, RIT1, RRAGD, RRAS2, RYR2, SCN5A, SHOC2, SLC22A5, SLC4A3, SOS1, SOS2, TAFAZZIN, TBX5, TECRL, TMEM43, TMEM70, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TRDN, TRIM63, TRPM4, TTN, TTR, VCL
Pediatric CM and Arrhythmia	113	ABCC9, ACADVL, ACTC1, ACTN2, AGL, ALMS1, ALPK3, BAG3, BRAF, CACNA1C, CALM1, CALM2, CALM3, CASQ2, CAV3, CBL, CPT2, CSRP3, CTNNA3, DES, DMD, DSC2, DSG2, DSP, DYSF, EMD, FHL1, FHOD3, FKRP, FKTN, FLNC, GAA, GATA4, GLA, HADHA, HADHB, HCN4, HRAS, JPH2, JUP, KCNE1, KCNE2, KCNH2, KCNJ2, KCNQ1, KLHL24, KRAS, LAMP2, LDB3, LMNA, LZTR1, MAP2K1, MAP2K2, MAP3K8, MIB1, MRAS, MT-TI, MTO1, MYBPC3, MYH7, MYL2, MYL3, MYO6, NEXN, NF1, NKX2-5, NRAP, NRAS, OBSCN, PKP2, PLEKHM2, PLN, PPA2, PPP1CB, PRDM16, PRKAG2, PTPN11, RAF1, RBM20, RIT1, RRAGD, RRAS, RRAS2, RYR2, SCN5A, SGCD, SHOC2, SLC22A5, SLC25A20, SLC25A4, SLC4A3, SOS1, SOS2, SPRED2, TAB2, TAFAZZIN, TBX20, TBX5, TCAP, TECRL, TMEM43, TMEM70, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TRDN, TRIM63, TRPM4, TTN, TTR, VCL

Gene content - Vascular Connective Tissue / TAAD Panels

Panel	# Genes	Genes Included
Familial Thoracic Aortic Aneurysms and Aortic Dissections	19	ACTA2, ARIH1, COL3A1, EFEMP2, FBN1, FOXE3, LOX, MYH11, MYLK, PRKG1, ROBO4, SLC2A10, SMAD2, SMAD3, TGFB2, TGFB3, TGFB1, TGFB2, THSD4