

Cardiomyopathy and Cardiac Arrhythmia Lab Requisition

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**Please complete and submit the first page accompanied by a
labelled specimen, for testing to proceed.**

Place Patient Addressograph HERE

Patient Name: _____

Date of Birth (YYYY/MM/DD): _____

Health Card Number: _____

Patient Sex: M / F / U Version Code

Patient Address: _____

Specimen Requirements	
Collection Centre:	Collected By:
Collection Date: (YYYY/MM/DD)	Specimen Type: <input type="checkbox"/> Blood 3-6mL – EDTA Vacutainer
Collection Time:	<input type="checkbox"/> Cord Blood 3mL – EDTA Vacutainer
	<input type="checkbox"/> Other (please specify):
Issue Report To: Authorizing Health Care Provider	
Name:	Phone Number:
Institution Address:	Fax Number:
CPSO#:	OHIP Billing:
	Authorizing Signature:

Urgent Testing required, indicate reason: Pregnancy Urgent - Critically Ill Urgent - Close to Surgical Threshold

CLINICAL HISTORY & PANEL SELECTION			
Please select the clinical information & associated test code(s) for the most applicable indication to proceed with testing.			
WGS	Arrhythmia Panel Testing	WGS	Cardiomyopathy Panel Testing
<input type="checkbox"/> LQT Panel (WLQT)	Long QT Syndrome 12 genes <ul style="list-style-type: none"> LQTS risk ≥ 3.5 or $OTc \geq 500ms$, or $QTc \geq 480ms$ with unexplained syncopal episode or history of sudden unexplained death < 60 years 1^o/2^o relative 	<input type="checkbox"/> Adult HCM Panel (AHCM)	Hypertrophic Cardiomyopathy 45 genes <ul style="list-style-type: none"> <input type="checkbox"/> Asymmetric <input type="checkbox"/> Concentric <input type="checkbox"/> Apical <input type="checkbox"/> Limited to basal septum
<input type="checkbox"/> CPVT Panel (WCPVT)	CPVT Syndrome 8 genes <ul style="list-style-type: none"> Unexplained exercise/catecholamine-induced bidirectional VT, polymorphic ventricular premature beats or VT/VF 	<input type="checkbox"/> Adult CM Panel (ACM)	Adult Cardiomyopathy 82 genes <ul style="list-style-type: none"> Dilated cardiomyopathy DCM Restrictive cardiomyopathy Arrhythmogenic cardiomyopathy Noncompaction cardiomyopathy
<input type="checkbox"/> BRS/SCN5A (WBRUG) (WSCN5A)	Brugada Syndrome and/or Sodium channel disease <ul style="list-style-type: none"> Spontaneous type 1 ST-segment elevation Type 1 ST-segment elevation unmasked using sodium channel blocker 	<input type="checkbox"/> ACMAR Panel (ACMAR)	Adult Cardiomyopathy & Arrhythmia 97 genes Individual with either phenotype with F/H of both or either (ACMAR)
<input type="checkbox"/> CARP Panel (CARP)	Comprehensive Arrhythmia Panel 41 genes <ul style="list-style-type: none"> Atypical presentation + F/H of different arrhythmias Short QT Syndrome or Cardiac Conduction Disease Unexplained resuscitated cardiac arrest 	Add on Pediatric CM Genes	<input type="checkbox"/> PHCM: AHCM panel + 12 = 57 <input type="checkbox"/> PCM: ACM panel + 20 = 102 <input type="checkbox"/> PCMAR: ACMAR + 18 = 115
<input type="checkbox"/> FAMSEQ (CMARVT referral)	Familial Variant Testing (Asymptomatic individuals with 1 ^o relative with a known P/LP variant in a disease-related gene) <ul style="list-style-type: none"> Provide a copy of the variant report State Variant Details: GENE:	Proband MRN: Variant c.	Relationship to Proband: Protein change p.

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For LAB Use Only

Cardiomyopathy and Cardiac Arrhythmia Panel Information

Arrhythmia Panel Choices		Gene List
LQT	Long QT Syndrome (12 genes)	CACNA1C, CALM1, CALM2, CALM3, KCNE1, KCNE2, KCNH2, KCNJ2, KCNQ1, SCN5A, TECRL, TRDN
CPVT	CPVT Syndrome (8 genes)	CALM1, CALM2, CALM3, CASQ2, KCNJ2, RYR2, TECRL, TRDN
BRS	Brugada Syndrome (1 gene)	SCN5A
CARP	Comprehensive Arrhythmia (41 genes)	CACNA1C, CALM1, CALM2, CALM3, CASQ2, CTNNA3, DES, DMPK, DSC2, DSG2, DSP, EMD, FLNC, GLA, HCN4, JUP, KCNE1, KCNE2, KCNH2, KCNJ2, KCNQ1, LAMP2, LMNA, NKX2-5, PKP2, PLN, PPA2, PRKAG2, RBM20, RYR2, SCN5A, SLC22A5, SLC4A3, TBX5, TECRL, TMEM43, TNNI3K, TRDN, TRPM4, TTN, TTR
Cardiomyopathy Panel Choices		Gene List
AHCM	Adult Hypertrophic Cardiomyopathy (45 genes)	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
PHCM	Pediatric Hypertrophic Cardiomyopathy (57 genes)	Adult Hypertrophic Cardiomyopathy (AHCM) panel genes above, plus: AGL, CBL, FXN, GAA, MAP3K8, MTO1, NF1, RRAS, SLC22A5, SLC25A4, SPRED2, TAB2
ACM	Adult Cardiomyopathy (82 genes)	ABCC9, ACADVL, ACTC1, ACTN2, ALPK3, BAG3, BRAF, CACNA1C, CAV3, CSRP3, CTNNA3, DES, DMD, DMPK, 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
PCM	Pediatric Cardiomyopathy (102 genes)	Adult cardiomyopathy (ACM) panel genes above, plus: AGL, ALMS1, CBL, CPT2, FXN, HADHA, HADHB, MAP3K8, MTO1, NF1, PPA2, RRAS, SGCD, SLC22A5, SLC25A20, SLC25A4, SPRED2, TAB2, TBX20, TCAP
Arrhythmia and Cardiomyopathy Combined Panel Choices		Gene List
ACMAR	Adult Cardiomyopathy & Arrhythmia (97 genes)	ABCC9, ACADVL, ACTC1, ACTN2, ALPK3, BAG3, BRAF, CACNA1C, CALM1, CALM2, CALM3, CASQ2, CAV3, CSRP3, CTNNA3, DES, DMD, DMPK, 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
PCMAR	Pediatric Cardiomyopathy and Arrhythmia (115 genes)	Adult Cardiomyopathy & Arrhythmia (ACMAR) panel genes above, plus: AGL, ALMS1, CBL, CPT2, FXN, HADHA, HADHB, MAP3K8, MTO1, NF1, RRAS, SGCD, SLC25A20, SLC25A4, SPRED2, TAB2, TBX20, TCAP
CMARVT	Cardiomyopathy Arrhythmia Variant Testing	Family Variant specific testing, for any gene listed above.