



Sonic  
Genetics

Quality is in our DNA

# Cardiogenetics

Cardiovascular panels

Cardiac genetic  
testing with associated  
pre- and post-test genetic  
counselling now available

[sonicgenetics.com.au/cardio](http://sonicgenetics.com.au/cardio)

Testing is performed through  
our Sonic laboratory Bioscientia



**BIOSCIENTIA**  
HUMAN GENETICS

# Cardiovascular panels

Sonic Genetics provides the following gene panels for genetic testing in familial cardiovascular disorders. A panel is defined by the clinical features of a selected cardiovascular disorder or group of disorders in an affected patient. **These panels are not suitable for determining the risk of cardiovascular disease in an unaffected person.** Each panel is selected from a list of genes on the basis of the clinical presentations associated with the selected genes. Some genes may have multiple presentations and hence are listed in more than one panel. If you wish to order more than one panel, please contact us on 1800 010 447.

<b>AORTOPATHY PANEL</b>	<b>\$1,892</b>
Also known as:	Thoracic aortic aneurysm, Lois-Dietz syndrome, Marfan syndrome, Ehlers-Danlos syndrome type 4, EDS type 4
Genes:	ACTA2, ADAMTS10, CBS, COL1A1, COL1A2, COL3A1, COL5A1, COL5A2, EFEMP2, ELN, FBN1, FBN2, FLNA, FLNB, MFAP5, MYH11, MYLK, NOTCH1, PLOD1, PRKG1, SKI, SLC2A10, SMAD3, SMAD4, TGFB2, TGFB3, TGFB2, TGFB3
<b>ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY PANEL</b>	<b>\$1,664</b>
Also known as:	ARVC, arrhythmogenic right ventricular dysplasia
Genes:	CTNNA3, DES, DSC2, DSG2, DSP, JUP, LMNA, PKP2, RYR2, TGFB3, TMEM43
<b>BRUGADA SYNDROME PANEL</b>	<b>\$1,892</b>
Also known as:	Brugada syndrome
Genes:	ABCC9, CACNA1C, CACNA2D1, CACNB2, FGF12, GPD1L, HCN4, KCND2, KCND3, KCNE3, KCNE5, KCNH2, KCNJ8, PKP2, RANGRF, SCN10A, SCN1B, SCN2B, SCN3B, SCN5A, SEMA3A, SLMAP, TRPM4
<b>DILATED CARDIOMYOPATHY PANEL</b>	<b>\$1,892</b>
Also known as:	Dilated cardiomyopathy, DCM
Genes:	ABCC9, ACTC1, ACTN2, ALMS1, ANKRD1, BAG3, CRYAB, CSRP3, DES, DMD, DSC2, DSG2, DSP, EYA4, FKTN, GATAD1, GLA, ILK, JUP, LAMA4, LAMP2, LDB3, LMNA, MYBPC3, MYH6, MYH7, MYL2, MYPN, NEXN, PLN, PRDM16, PSEN1, PSEN2, RAF1, RBM20, SCN5A, SDHA, SGCD, TAZ, TBX20, TCAP, TMPO, TNNC1, TNNT2, TNNT3, TPM1, TTN, VCL
<b>HYPERCHOLESTEROLAEMIA PANEL</b>	<b>\$1,664</b>
Also known as:	Familial hypercholesterolaemia, familial combined hyperlipidaemia, sitosterolaemia
Genes:	ANGPTL3, APOB, CETP, LDLR, LDLRAP1, LIPA, PCSK9, STAP1
<b>HYPERTRIGLYCERIDAEMIA PANEL</b>	<b>\$1,664</b>
Also known as:	Familial hypertriglyceridaemia
Genes:	APOA5, APOC2, APOC3, GPD1, GPIHBP1, LMF1, LPL
<b>HYPERTROPHIC CARDIOMYOPATHY PANEL</b>	<b>\$1,892</b>
Also known as:	Hypertrophic cardiomyopathy, HCM, HOCM
Genes:	ACTC1, ACTN2, ANKRD1, CALR3, CAV3, CSRP3, DES, FHL1, GLA, JPH2, LAMP2, LDB3, MYBPC3, MYH6, MYH7, MYL2, MYL3, MYLK2, MYOZ2, MYPN, NEXN, PLN, PRKAG2, PSEN1, PSEN2, RBM20, SCN5A, SDHA, SGCD, SLC25A4, SOS1, TAZ, TBX20, TCAP, TMPO, TNNT2, TNNT3, TNNT4, TPM1, TTN, TTR, VCL
<b>LONG QTS PANEL</b>	<b>\$1,892</b>
Also known as:	LQT syndrome, LQTS, Romano-Ward syndrome, Jervell and Lange-Nielsen syndrome
Genes:	AKAP9, ANK2, CACNA1C, CALM1, CALM2, CAV3, KCNE1, KCNE2, KCNH2, KCNJ2, KCNJ5, KCNQ1, SCN4B, SCN5A, SNTA1, TRPM4
<b>LEFT VENTRICULAR NON-COMPACTION PANEL</b>	<b>\$1,892</b>
Also known as:	Isolated ventricular non-compaction, LVNC
Genes:	ACTC1, DTNA, LDB3, LMNA, MIB1, MYBPC3, MYH7, NNT, PRDM16, SCN5A, TAZ, TNNT2, TNNT3, TPM1
<b>PULMONARY HYPERTENSION PANEL</b>	<b>\$1,664</b>
Also known as:	Pulmonary veno-occlusive disease, hereditary haemorrhagic telangiectasia, PHT
Genes:	ACVRL1, BMPR1B, BMPR2, CAV1, EIF2AK4, ENG, KCNK3, SMAD4, SMAD9, TBX4
<b>VASCULOPATHY PANEL</b>	<b>\$1,664</b>
Also known as:	Hereditary haemorrhagic telangiectasia, aortic valve disease, polycystic kidney disease, tortuosity of retinal arteries, Adams-Oliver syndrome, cutis laxa, arterial tortuosity syndrome
Genes:	ACVRL1, COL4A1, EFEMP2, ENG, FLNA, GDF2, NOTCH1, PKD1, SLC2A10, SMAD4

**Please note:** Prices correct at time of printing. Cardiac genetic testing is not funded through Medicare, pre-payment is required. The genes included in each panel above are under continual review. Pricing includes pre- and post-test genetic counselling with an HGSA-qualified genetic counsellor.

## What is involved in cardiac genetic testing?

- 1) Cardiac Genetics Diagnostic Test Request Form\* is completed by a medical specialist.
- 2) Payment and collection is arranged by contacting 1800 010 447.
- 3) Pre-test counselling with an HGSA-qualified genetic counsellor, arranged by Sonic Genetics.
- 4) Results are reported in 6-8 weeks by Bioscientia, a Sonic Healthcare laboratory.
- 5) Post-test counselling with an HGSA-qualified counsellor, arranged by counsellor as required.

\*www.sonicgenetics.com.au/cardiacrf