Sonic Genetics
Douglass Hanly Moir Pathology

Cardiogenetics

Cardiovascular panels

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

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.

AORTOPATHY PANEL — $1,892

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, TGFBR1, TGFBR2

ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY PANEL — $1,664

Also known as: ARVC, arrhythmogenic right ventricular dysplasia

Genes: CTNNA3, DES, DSC2, DSG2, DSP, JUP, LMNA, PKP2, RYR2, TGFB3, TMEM43

BRUGADA SYNDROME PANEL — $1,892

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

DILATED CARDIOMYOPATHY PANEL — $1,892

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, TNNI3, TNNT2, TPM1, TTN, VCL

HYPERCHOLESTEROLAEMIA PANEL — $1,664

Also known as: Familial hypercholesterolaemia, familial combined hyperlipidaemia, sitosterolaemia

Genes: ANGPTL3, APOB, CETP, LDLR, LDLRAP1, LIPA, PCSK9, STAP1

HYPERTRIGLYCERIDAEMIA PANEL — $1,664

Also known as: Familial hypertriglyceridaemia

Genes: APOA5, APOC2, APOC3, GPD1, GPIHBP1, LMF1, LPL

HYPERTROPHIC CARDIOMYOPATHY PANEL — $1,892

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, TNNC1, TNNI3, TNNT2, TPM1, TTN, TTR, VCL

LONG QTS PANEL — $1,892

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

LEFT VENTRICULAR NON-COMPACTION PANEL — $1,892

Also known as: Isolated ventricular non-compaction, LVNC

Genes: ACTC1, DTNA, LDB3, LMNA, MIB1, MYBPC3, MYH7, NNT, PRDM16, SCN5A, TAZ, TNNI3, TNNT2, TPM1

PULMONARY HYPERTENSION PANEL — $1,664

Also known as: Pulmonary veno-occlusive disease, hereditary haemorrhagic telangiectasia, PHT

Genes: ACVRL1, BMPR1B, BMPR2, CAV1, EIF2AK4, ENG, KCNK3, SMAD4, SMAD9, TBX4

VASCULOPATHY PANEL — $1,664

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 of your blood sample is arranged by contacting 1800 010 447. Your blood sample is then collected at a Douglass Hanly Moir Pathology collection centre.
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

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