Cardio Panel

The table shows the list of 98 genes
related to cardiovascular conditions analyzed in this test.

Bumrungrad International HOSPITAL

Gene	Gene Associated Condition
ACTA2	Aortic aneurysm, Familial thoracic 6, Moyamoya disease 5, Multisystemic smooth muscle dysfunction syndrome
ACTC1	Atrial septal defect, Dilated cardiomyopathy, Hypertrophic cardiomyopathy, Left ventricular noncompaction
ACTN2	Dilated cardiomyopathy, Hypertrophic cardiomyopathy, Distal Myopathy
ACVRL1	Hereditary hemorrhagic telangiectasia
ANKRD1	Dilated cardiomyopathy
APOB	Hypercholesterolemia, Hypobetalipoproteinemia
BAG3	Dilated cardiomyopathy, Myofibrillar myopathy
BMPR2	Pulmonary hypertension, Pulmonary veno-occlusive disease
CACNA1C	Brugada syndrome, Long QT syndrome, Timothy syndrome
CACNB2	Brugada syndrome
CALM1	Long QT syndrome, Catecholaminergic polymorphic ventricular tachycardia
CALM2	Long QT syndrome
CALM3	Catecholaminergic polymorphic ventricular tachycardia, Long QT syndrome
CASQ2	Catecholaminergic polymorphic ventricular tachycardia
CAV1	Primary pulmonary hypertension
CAV3	Hypertrophic cardiomyopathy, Long QT syndrome, Distal Myopathy
COL3A1	Vascular Ehlers-Danlos syndrome
CRYAB	Dilated cardiomyopathy, Myofibrillar Myopathy
CSRP3	Dilated cardiomyopathy, Hypertrophic cardiomyopathy
DES	Dilated cardiomyopathy, Myofibrillar Myopathy
DMD	Dilated cardiomyopathy, Muscular dystrophy
DSC2	Arrhythmogenic right ventricular Cardiomyopathy
DSG2	Arrhythmogenic right ventricular Cardiomyopathy, Dilated cardiomyopathy
DSP	Arrhythmogenic right ventricular Cardiomyopathy, Dilated cardiomyopathy
DTNA	Left ventricular noncompaction
EMD	Muscular dystrophy
ENG	Hereditary hemorrhagic telangiectasia
EYA4	Dilated cardiomyopathy
F2	Prothrombin deficiency, Thrombophilia
F5	Factor V deficiency, Thrombophilia
F9	Hemophilia, Thrombophilia
FBN1	Geleophysic dysplasia, Marfan syndrome, MASS syndrome,Weill-Marchesani syndrome
FHL1	Uruguay faciocardiomusculoskeletal syndrome, Muscular dystrophy
FKTN	Dilated cardiomyopathy, Muscular dystrophy
FLNC	Hypertrophic cardiomyopathy, Familial restrictive cardiomyopathy, Distal myopathy, Myofibrillar myopathy
GATAD1	Dilated cardiomyopathy
GDF2	Hereditary hemorrhagic telangiectasia
GLA	Fabry disease
GPD1L	Brugada syndrome
HCN4	Brugada syndrome, Sick sinus syndrome
JPH2	Dilated cardiomyopathy, Hypertrophic cardiomyopathy
JUP	Arrhythmogenic right ventricular cardiomyopathy, Naxos disease
KCNE1	Jervell and Lange-Nielsen syndrome, Long QT syndrome
KCNE2	Familial atrial fibrillation, Long QT syndrome
KCNH2	Long QT syndrome, Short QT syndrome
KCNJ2	Andersen syndrome, Familial atrial fibrillation, Short QT syndrome
KCNQ1	Familial atrial fibrillation, Jervell and Lange-Nielsen syndrome, Long QT syndrome
LAMA4	Dilated cardiomyopathy
LAMP2	Danon disease
LDB3	Dilated cardiomyopathy, Hypertrophic cardiomyopathy, Left ventricular noncompaction, Myofibrillar myopathy
LDLR	Familial Hypercholesterolemia
LDLRAP1	Familial Hypercholesterolemia
LMNA	Dilated cardiomyopathy, Muscular dystrophy, Heart-hand syndrome, Hutchinson-Gilford progeria syndrome, Familial partial lipodystrophy, Malouf syndrome
MAP2K1	Cardiofaciocutaneous syndrome
MAP2K2	Cardiofaciocutaneous syndrome
MYBPC3	Dilated cardiomyopathy, Hypertrophic cardiomyopathy, Left ventricular noncompaction
MYH11	Familial thoracic aortic aneurysm and dissection
MYH6	Atrial septal defect, Dilated cardiomyopathy, Hypertrophic cardiomyopathy, Sick sinus syndrome
MYH7	Dilated cardiomyopathy, Hypertrophic cardiomyopathy, Distal myopathy, Left ventricular noncompaction, Myopathy
MYL2	Cardiomyopathy, Myofibrillar myopathy
MYL3	Hypertrophic cardiomyopathy
MYLK	Familial thoracic aortic aneurysm and dissection
MYLK2	Hypertrophic cardiomyopathy
MYOZ2	Hypertrophic cardiomyopathy
MYPN	Dilated cardiomyopathy, Familial restrictive cardiomyopathy, Hypertrophic cardio, Myopathy
NEXN	Dilated cardiomyopathy, Hypertrophic cardiomyopathy
NKX2-5	Atrial septal defect, Conotruncal heart malformations, Hypoplastic left heart syndrome, Tetralogy of Fallot, Ventricular septal defect
PCSK9	Familial hypercholesterolemia
PKP2	Arrhythmogenic right ventricular cardiomyopathy
PLN	Dilated cardiomyopathy, Hypertrophic cardiomyopathy
PRKAG2	Hypertrophic cardiomyopathy, Lethal congenital glycogen storage disease of the heart, Wolff-Parkinson-White syndrome
PRKG1	Familial thoracic aortic aneurysm and dissection
PROC	Thrombophilia
PROS1	Thrombophilia
RAF1	Dilated cardiomyopathy, LEOPARD syndrome, Noonan syndrome
RBM20	Dilated cardiomyopathy
RYR2	Arrhythmogenic right ventricular Cardiomyopathy, Ventricular arrhythmias, Catecholaminergic polymorphic ventricular tachycardia
SCN5A	Familial atrial fibrillation, Brugada syndrome, Dilated cardiomyopathy, Progressive familial heart block, Long QT syndrome, Sick sinus syndrome, Familial ventricular fibrillation
SERPINC1	Thrombophilia
SGCD	Dilated cardiomyopathy, Muscular dystrophy
SMAD3	Loeys-Dietz syndrome
SMAD4	Hereditary hemorrhagic telangiectasia
TAZ	Barth syndrome
TCAP	Hypertrophic cardiomyopathy, Dilated cardiomyopathy, Muscular dystrophy
TGFB2	Loeys-Dietz syndrome
TGFB3	Arrhythmogenic right centricular cardiomyopathy, Loeys-Dietz syndrome
TGFBR1	Loeys-Dietz syndrome
TGFBR2	Loeys-Dietz syndrome
TMEM43	Arrhythmogenic right ventricular cardiomyopathy, Muscular dystrophy
TMPO	Dilated cardiomyopathy
TNNC1	Dilated cardiomyopathy, Hypertrophic cardiomyopathy
TNNI3	Dilated cardiomyopathy, Hypertrophic cardiomyopathy, Familial restrictive cardiomyopathy
TNNT2	Dilated cardiomyopathy, Familial restrictive cardiomyopathy, Hypertrophic cardiomyopathy, Left ventricular noncompaction
TPM1	Dilated cardiomyopathy, Hypertrophic cardiomyopathy, Left ventricular noncompaction
TRDN	Cardiac arrhythmia syndrome
TTN	Dilated cardiomyopathy, Hypertrophic cardiomyopathy, Muscular dystrophy, Myofibrillar myopathy
TTR	Hereditary transthyretin(TTR)-related amyloidosis
VCL	Dilated cardiomyopathy, Hypertrophic cardiomyopathy