

Gen-Panels Kardiopathien

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Hinweise:

- Gen-Panels mit mehr als 10 Genen dürfen gemäss Analysenliste des BAG nur durch Ärzte mit einem FMH-Titel Medizinische Genetik verordnet werden.
- Die Gen-Panels sind nicht endgültig und können je nach Fragestellung auf Wunsch angepasst werden.
- Die Gen-Panels können abhängig von der aktuellen Datenlage zum Zeitpunkt der Analysen von denjenigen auf dieser Liste abweichen.

Kardiopathien, umfassendes Panel/Sudden Unexplained Death Syndrome v5 (SUDS) (206 Gene)

ABCC9, ABCG5, ABCG8, ACTA1, ACTA2, ACTC1, ACTN2, AKAP9, ALMS1, ALPK3, ANK2, ANKRD1, APOA4, APOA5, APOB, APOC2, APOE, BAG3, BRAF, CACNA1C, CACNA2D1, CACNB2, CALM1, CALR3, CASK, CASQ2, CAV3, CAVIN4, CBL, CBS, CETP, COL3A1, COL5A1, COL5A2, COX15, CREB3L3, CRELD1, CRYAB, CSRP3, CTF1, CTNNA3, DCHS1, DES, DMD, DNAJC19, DOLK, DPP6, DSC2, DSG2, DSP, DTNA, EFEMP2, ELN, EMD, EYA4, FBN1, FBN2, FGF12, FHL1, FHL2, FKRP, FKTN, FLNA, FLNC, FXN, GAA, GATA4, GATAD1, GCKR, GJA5, GLA, GPD1L, GPIHBP1, HADHA, HCN4, HEY2, HFE, HRAS, HSPB8, ILK, JAG1, JPH2, JUP, KCNA5, KCND3, KCNE1, KCNE2, KCNE3, KCNH2, KCNJ2, KCNJ5, KCNJ8, KCNK17, KCNQ1, KCNQ3, KLF10, KRAS, LAMA2, LAMA4, LAMP2, LDB3, LDLR, LDLRAP1, LMF1, LMNA, LPL, LTBP2, MAP2K1, MAP2K2, MED12, MIB1, MYBPC3, MYH11, MYH6, MYH7, MYL2, MYL3, MYLK, MYLK2, MYO6, MYOZ2, MYPN, NCKAP1, NEXN, NKX2-5, NODAL, NOS1AP, NOTCH1, NPPA, NRAS, NSD1, NUMB, NUMBL, PCSK9, PDLIM3, PKP2, PLEC, PLN, PLOD1, PMP22, PRDM16, PRKAG2, PRKAR1A, PTHLH, PTPN11, RAF1, RANGRF, RBM20, RPS6KA3, RYR1, RYR2, SALL4, SCN10A, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A, SCO2, SDHA, SELENON, SEMA3A, SGCB, SGCD, SGCG, SHOC2, SKI, SLC25A4, SLC2A10, SLMAP, SMAD3, SMAD4, SNTA1, SOS1, SREBF2, TAFAZZIN, TBX1, TBX20, TBX3, TBX5, TCAP, TGFB2, TGFB3, TGFB1, TGFB2, TMEM43, TMPO, TNNC1, TNNI3, TNNT2, TNXB, TP63, TPM1, TRDN, TRIM63, TRPM4, TRPM7, TSFM, TTN, TTR, TXNRD2, VCL, WWTR1, ZBTB17, ZHX3, ZIC3

Arrhythmogene rechtsventrikuläre Kardiomyopathie (ARVC), kleines Panel v4 (10 Gene)

DES, DSC2, DSG2, DSP, LMNA, PKP2, RYR2, SCN5A, TMEM43, TTN

Arrhythmogene rechtsventrikuläre Kardiomyopathie (ARVC), erweitertes Panel v5 (18 Gene)

CTNNA3, DES, DSC2, DSG2, DSP, FLNC, JUP, LDB3, LMNA, PKP2, PLEC, PLN, RYR2, SCN5A, TGFB3, TMEM43, TP63, TTN

Brugada-Syndrom, kleines Panel v3 (10 Gene)

CACNA1C, CACNA2D1, CACNB2, GPD1L, KCND3, RANGRF, SCN1B, SCN3B, SCN5A, TRPM4

Brugada-Syndrom, erweitertes Panel v3 (21 Gene)

ABCC9, CACNA1C, CACNA2D1, CACNB2, FGF12, GPD1L, HCN4, HEY2, KCND3, KCNE3, KCNE3, KCNH2, KCNJ8, PKP2, RANGRF, SCN10A, SCN1B, SCN2B, SCN3B, SCN5A, TRPM4

Dilatative Kardiomyopathie (DCM) v7 (54 Gene)

ABCC9, ACTC1, ACTN2, ALMS1, ANKRD1, BAG3, CASK, CASQ2, CAV3, CRYAB, CSRP3, DES, DMD, DSC2, DSG2, DSP, DTNA, EMD, FHL2, FLNC, GLA, JUP, LAMA4, LAMP2, LDB3, LMNA, MYBPC3, MYH6, MYH7, MYL2, MYL3, MYLK2, MYOZ2, NEXN, PKP2, PLN, PRKAG2, PTPN11, RAF1, RBM20, RYR2, SCN5A, SGCD, TAZ, TCAP, TMEM43, TMPO, TNNC1, TNNI3, TNNT2, TPM1, TTN, TTR, VCL

Dyslipidämie v5 (41 Gene)

ABCA1, ABCG5, ABCG8, ANGPTL3, ANGPTL4, APOA1, APOA2, APOA4, APOA5, APOB, APOC2, APOC3, APOE, ASGR1, CETP, CYP27A1, CYP7A1, EPHX2, GPD1, GPIHBP1, HADH, LCAT, LDLR, LDLRAP1, LIPA, LIPC, LIPG, LIPI, LMF1, LPL, MTP, NPC1, PCSK9, PNPLA3, PPARA, PPARG, PPP1R17, SAR1B, SCARB1, SLCO1B1, STAP1, USF1

Hypertrophe Kardiomyopathie (HCM), kleines Panel v5 (11 Gene)

ACTC1, ALPK3, MYBPC3, MYH6, MYH7, MYL2, MYL3, TNNC1, TNNI3, TNNT2, TPM1

Hypertrophe Kardiomyopathie (HCM), erweitertes Panel v7 (42 Gene)

ACTC1, ACTN2, ALPK3, ANKRD1, BRAF, CALR3, CAV3, CRYAB, CSRP3, FHL1, FLNC, FXN, GAA, GLA, HFE, HRAS, JPH2, LAMP2, MAP2K1, MAP2K2, MYBPC3, MYH6, MYH7, MYL2, MYL3, MYLK, MYOZ2, NEXN, NRAS, PDLIM3, PLN, PRKAG2, SCO2, TAZ, TCAP, TNNC1, TNNI3, TNNT2, TPM1, TSFM, TTN, TTR

Ionenkanalerkrankungen v4 (46 Gene)

AKAP9, ANK2, ANKRD1, CACNA1C, CACNA2D1, CACNB2, CALM1, CASQ2, CAV3, CTNNA3, DES, DPP6, DSC2, DSG2, DSP, FLNC, GJA5, GPD1L, HCN4, JUP, KCNA5, KCND3, KCNE1, KCNE2, KCNE3, KCNH2, KCNJ2, KCNJ5, KCNJ8, KCNQ1, LMNA, MYH6, NOS1AP, PKP2, RANGRF, RYR2, SCN10A, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A, SNTA1, TRDN, TRPM4, TRPM7

Katecholaminerge polymorphe ventrikuläre Tachykardie (CPVT) v3 (6 Gene)

ANK2, CALM1, CASQ2, KCNJ2, RYR2, TRDN

Long-QT-Syndrom (LQTS), kleines Panel v4 (12 Gene)

AKAP9, ANK2, CACNA1C, CAV3, KCNE1, KCNE2, KCNH2, KCNJ2, KCNQ1, SCN4B, SCN5A, SNTA1

Long-QT-Syndrom (LQTS), erweitertes Panel v5 (20 Gene)

AKAP9, ANK2, CACNA1C, CALM1, CALM2, CALM3, CASQ2, CAV3, KCNE1, KCNE2, KCNH2, KCNJ2, KCNJ5, KCNQ1, NOS1AP, RYR2, SCN4B, SCN5A, SNTA1, TRDN

Non-Compaction-Kardiomyopathie v3 (21 Gene)

ACTC1, CSRP3, DTNA, HCN4, LDB3, LMNA, MYBPC3, MYH7, NKX2-5, NSD1, NUMB, NUMBL, PMP22, RPS6KA3, SCN5A, TAZ, TBX1, TBX20, TNNI3, TNNT2, TPM1

Short-QT-Syndrom (SQTS) v3 (7 Gene)

CACNA1C, CACNA2D1, CACNB2, KCNE1, KCNH2, KCNJ2, KCNQ1