

Kardiovaskuläre Erkrankungen

Panel-ID	Kardiomyopathien		Bearbeitungszeit
ID008	Dilatative Kardiomyopathie (DCM, CMD)	<p>Dilatative Kardiomyopathie (DCM, CMD): 59 Gene (283,0 kb) ABCC9, ACTC1, ACTN2, ANKRD1, BAG3, BAG5, CRYAB, CSRP3, DES, DMD, DSG2, DSP, EMD, EYA4, FHL1, FKRP, FKTN, FLNC, GATAD1, HFE, JPH2, JUP, LAMA4, LAMP2, LDB3, LMNA, MYBPC3, MYH6, MYH7, MYL2, MYPN, NEBL, NEXN, NKX2-5, PDLIM3, PLN, PPCS, PRDM16, PSEN1, PSEN2, RAF1, RBM20, RPL3L, SCN5A, SDHA, SGCD, SYNE1, SYNE2, TAZ, TCAP, TMEM43, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TBX20, TTN, VCL</p> <p>Dilatative Kardiomyopathie, nicht-syndromal, dominant (CMD1): 42 Gene (200,2 kb) ABCC9, ACTC1, ACTN2, ANKRD1, BAG3, CRYAB, CSRP3, DES, DSG2, EYA4, FKTN, FLNC, LAMA4, LDB3, LMNA, MYBPC3, MYH6, MYH7, MYL2, MYPN, NEBL, NEXN, NKX2-5, PDLIM3, PLN, PRDM16, PSEN1, PSEN2, RAF1, RBM20, SCN5A, SDHA, SGCD, TCAP, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TBX20, TTN, VCL</p> <p>Dilatative Kardiomyopathie, nicht-syndromal, rezessiv (CMD2): 6 Gene (7,2 kb) BAG5, GATAD1, JPH2, PPCS, RPL3L, TNNI3</p> <p>Dilatative Kardiomyopathie, nicht-syndromal, X-chromosomal (CMD3): 2 Gene (11,9 kb) DMD, TAZ</p> <p>Dilatative Kardiomyopathie, syndromal: 16 Gene (86,1 kb) DES, DMD, DSP, EMD, FHL1, FKRP, HFE, JUP, LAMP2, LMNA, MYH7, MYL2, SYNE1, SYNE2, TAZ, TMEM43</p>	4 – 6 Wochen
ID007	Hypertrophe Kardiomyopathie (HCM, CMH)	<p>Hypertrophe Kardiomyopathie (HCM, CMH): 55 Gene (206,7 kb) ACTC1, ACTN2, ALPK3, ANKRD1, BRAF, CALR3, CAV3, CSRP3, DES, FHL1, FHOD3, FLNC, FXN, GAA, GLA, HRAS, JPH2, KLF10, KRAS, LAMP2, LDB3, LZTR1, MAP2K1, MAP2K2, MAPK1, MRAS, MYBPC3, MYH6, MYH7, MYL2, MYL3, MYLK2, MYOM1, MYOZ2, MYPN, NEXN, NRAS, PDLIM3, PLN, PRKAG2, PTPN11, RAF1, RRAS2, RIT1, SOS1, SOS2, TCAP, TNNC1, TNNI3, TNNT2, TPM1, TRIM63, TTN, TTR, VCL</p> <p>Hypertrophe Kardiomyopathie, nicht-syndromal (CMH): 35 Gene (176,6 kb) ACTC1, ACTN2, ALPK3, ANKRD1, CALR3, CAV3, CSRP3, DES, FHL1, FHOD3, FLNC, JPH2, KLF10, LDB3, MYBPC3, MYH6, MYH7, MYL2, MYL3, MYLK2, MYOM1, MYOZ2, MYPN, NEXN, PDLIM3, PLN, PRKAG2, TCAP, TNNC1, TNNI3, TNNT2, TPM1, TRIM63, TTN, VCL</p> <p>Hypertrophe Kardiomyopathie, syndromal: 21 Gene (31,8 kb) BRAF, FXN, GAA, GLA, HRAS, KRAS, LAMP2, LZTR1, MAP2K1, MAP2K2, MAPK1, MRAS, NRAS, PRKAG2, PTPN11, RAF1, RRAS2, RIT1, SOS1, SOS2, TTR</p>	4 – 6 Wochen

Panel-ID		Kardiomyopathien	Bearbeitungszeit
ID105	Restriktive Kardiomyopathie (RCM)	Restriktive Kardiomyopathie (RCM): 14 Gene (31,4 kb) ACTC1, BAG3, DES, FLNC, KIF20A, MCM10, MYH7, MYL2, MYL3, MYPN, TNNI3, TNNT2, TPM1, TTR	3 – 5 Wochen
ID027	Kardiomyopathien, umfassende Diagnostik	Kardiomyopathien, umfassende Diagnostik: 127 Gene (449,5 kb) ABCC9, ACTA1, ACTC1, ACTN2, ALMS1, ALPK3, ANKRD1, BAG3, BAG5, BRAF, CALR3, CASQ2, CAV3, CAVIN4, CBL, CDH2, COA5, COA6, COX15, CRYAB, CSRP3, CTNNA3, DES, DMD, DNAJC19, DOLK, DPM3, DSC2, DSG2, DSP, DTNA, EMD, EYA4, FHL1, FHL2, FHOD3, FKRP, FKTN, FLNC, FXN, GAA, GATAD1, GLA, HADHA, HCN4, HFE, HRAS, ILK, JPH2, JUP, KIF20A, KLF10, KRAS, LAMA2, LAMA4, LAMP2, LDB3, LIMS2, LMNA, LZTR1, MAP2K1, MAP2K2, MAPK1, MCM10, MIB1, MRAS, MYBPC3, MYH6, MYH7, MYL2, MYL3, MYLK2, MYO6, MYOM1, MYOZ2, MYPN, NEBL, NEXN, NKX2-5, NPPA, NRAS, OBSCN, PDLIM3, PKP2, PLN, PPCS, PRDM16, PRKAG2, PSEN1, SEN2, PTPN11, RAF1, RBM20, RIT1, RPL3L, RRAS2, RYR2, SCN2B, SCN5A, SCO2, SDHA, SGCB, SGCD, SGCG, SHOC2, SLC25A4, SOS1, SOS2, SYNE1, SYNE2, TAZ, TBX20, TCAP, TGFB3, TMEM43, TMPO, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TRIM63, TRPM4, TTN, TTR, TXNRD2, VCL Dilatative Kardiomyopathie (DCM, CMD): 59 Gene (283,0 kb) ABCC9, ACTC1, ACTN2, ANKRD1, BAG3, BAG5, CRYAB, CSRP3, DES, DMD, DSG2, DSP, EMD, EYA4, FHL1, FKRP, FKTN, FLNC, GATAD1, HFE, JPH2, JUP, LAMA4, LAMP2, LDB3, LMNA, MYBPC3, MYH6, MYH7, MYL2, MYPN, NEBL, NEXN, NKX2-5, PDLIM3, PLN, PPCS, PRDM16, PSEN1, PSEN2, RAF1, RBM20, RPL3L, SCN5A, SDHA, SGCD, SYNE1, SYNE2, TAZ, TBX20, TCAP, TMEM43, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TTN, VCL Hypertrophe Kardiomyopathie (HCM, CMH): 55 Gene (206,7 kb) ACTC1, ACTN2, ALPK3, ANKRD1, BRAF, CALR3, CAV3, CSRP3, DES, FHL1, FHOD3, FLNC, FXN, GAA, GLA, HRAS, JPH2, KLF10, KRAS, LAMP2, LDB3, LZTR1, MAP2K1, MAP2K2, MAPK1, MRAS, MYBPC3, MYH6, MYH7, MYL2, MYL3, MYLK2, MYOM1, MYOZ2, MYPN, NEXN, NRAS, PDLIM3, PLN, PRKAG2, PTPN11, RAF1, RIT1, RRAS2, SOS1, SOS2, TCAP, TNNC1, TNNI3, TNNT2, TPM1, TRIM63, TTN, TTR Restriktive Kardiomyopathie (RCM): 14 Gene (31,4 kb) ACTC1, BAG3, DES, FLNC, KIF20A, MCM10, MYH7, MYL2, MYL3, MYPN, TNNI3, TNNT2, TPM1, TTR Arrhythmogene rechtsventrikuläre Kardiomyopathie (ARVD, ARVC): 15 Gene (150,6 kb) CDH2, CTNNA3, DES, DSC2, DSG2, DSP, JUP, LMNA, PKP2, PLN, PRKAG2, RYR2, TGFB3, TMEM43, TTN Linksventrikuläre Noncompaction-Kardiomyopathie (LVNC, NCCM): 15 Gene (45,0 kb) ACTC1, ACTN2, DMD, DTNA, HCN4, LDB3, LMNA, MIB1, MYBPC3, MYH7, NKX2-5, PRDM16, TAZ, TNNT2, TPM1	4 – 6 Wochen

Panel-ID		Kardiomyopathien	Bearbeitungszeit
ID010	Arrhythmogene rechtsventrikuläre Kardiomyopathie (ARVD, ARVC)	Arrhythmogene rechtsventrikuläre Kardiomyopathie (ARVD, ARVC): 15 Gene (150,6 kb) CDH2, CTNNA3, DES, DSC2, DSG2, DSP, JUP, PLN, LMNA, PKP2, PRKAG2, RYR2, TGFB3, TMEM43, TTN	4 – 6 Wochen
ID011	Linksventrikuläre Noncompaction-Kardiomyopathie (LVNC, NCCM)	Linksventrikuläre Noncompaction-Kardiomyopathie (LVNC, NCCM): 15 Gene (45,0 kb) ACTC1, ACTN2, DMD, DTNA, HCN4, LDB3, LMNA, MIB1, MYBPC3, MYH7, NKX2-5, PRDM16, TAZ, TNNT2, TPM1	3 – 5 Wochen
ID349	Plötzlicher Herztod	Plötzlicher Herztod: 110 Gene (366,9 kb) ABCC9, ACTC1, ACTN2, AKAP9, ALG10B, ALPK3, ANK2, ANKRD1, BAG3, BAG5, CACNA1C, CACNA2D1, CACNB2, CALM1, CALM2, CALM3, CASQ2, CAV3, CDH2, CRYAB, CSRP3, CTNNA3, DES, DMD, DOLK, DPP6, DSC2, DSG2, DSP, EMD, EYA4, FGF12, FHL1, FHOD3, FKRP, FKTN, FLNC, GATAD1, GLA, GNB2, GPD1L, HCN4, JPH2, JUP, KCNA5, KCND2, KCND3, KCNE1, KCNE2, KCNE3, KCNE5, KCNH2, KCNJ2, KCNJ5, KCNJ8, KCNQ1, LAMA4, LAMP2, LDB3, LMNA, MYBPC3, MYH6, MYH7, MYL2, MYL3, MYLK2, MYOZ2, MYPN, NEXN, NKX2-5, PKP2, PLN, PPCS, PRDM16, PRKAG2, PSEN1, PSEN2, RAF1, RANGRF, RBM20, RPL3L, RYR2, SCN10A, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A, SDHA, SEMA3A, SGCD, SLC4A3, SLMAP, SNTA1, TBX5, TCAP, TECRL, TGFB3, TMEM43, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TRDN, TRIM63, TRPM4, TTN, TTR, VCL Kardiale Arrhythmien (BRGDA, LQT) und plötzlicher Herztod: 65 Gene (268,2 kb) ABCC9, AKAP9, ALG10B, ANK2, CACNA1C, CACNA2D1, CACNB2, CALM1, CALM2, CALM3, CASQ2, CAV3, CDH2, CTNNA3, DES, DPP6, DSC2, DSG2, DSP, EMD, FGF12, GNB2, GPD1L, HCN4, JPH2, JUP, KCNA5, KCND2, KCND3, KCNE1, KCNE2, KCNE3, KCNE5, KCNH2, KCNJ2, KCNJ5, KCNJ8, KCNQ1, LMNA, MYBPC3, MYH6, NKX2-5, PKP2, PLN, PRKAG2, RANGRF, RYR2, SCN10A, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A, SEMA3A, SLC4A3, SLMAP, SNTA1, TBX5, TECRL, TGFB3, TMEM43, TNNI3, TRDN, TRPM4, TTN Kardiomyopathien (HCM, DCM) und plötzlicher Herztod: 63 Gene (247,7 kb) ABCC9, ACTC1, ACTN2, ALPK3, ANKRD1, BAG3, BAG5, CAV3, CRYAB, CSRP3, DES, DMD, DOLK, DSG2, DSP, EMD, EYA4, FHL1, FHOD3, FKRP, FKTN, FLNC, GATAD1, GLA, JPH2, JUP, LAMA4, LAMP2, LDB3, LMNA, MYBPC3, MYH6, MYH7, MYL2, MYL3, MYLK2, MYOZ2, MYPN, NEXN, NKX2-5, PLN, PPCS, PRDM16, PRKAG2, PSEN1, PSEN2, RAF1, RBM20, RPL3L, SCN5A, SDHA, SGCD, TCAP, TMEM43, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TRIM63, TTN, TTR, VCL	4 – 6 Wochen
ID149	Speicherkrankheiten mit Herzbe teiligung	Speicherkrankheiten mit Herzbe teiligung: 13 Gene (21,5 kb) ATP7B, FTH1, GAA, GLA, GSN, HAMP, HFE, HJV, LAMP2, PRKAG2, SLC40A1, TFR2, TTR	3 – 5 Wochen

Panel-ID		Kardiomyopathien	Bearbeitungszeit
ID123	Muskelerkrankungen mit Herzbeteiligung	<p>Muskelerkrankungen mit Herzbeteiligung: 34 Gene (220,8 kb) BAG3, BVES, CAV3, CRYAB, DES, DMD, DPM3, EMD, FHL1, FKRP, FKTN, FLNC, JAG2, KY, LDB3, LAMA2, LIMS2, LMNA, MYL2, MYOT, POMT1, PYROXD1, SGCA, SGCB, SGCD, SGCG, SVIL, SYNE1, SYNE2, TCAP, TMEM43, TOR1AIP1, TTN, UNC45B</p> <p>Myofibrilläre Muskelerkrankung (MFM): 12 Gene (130,7 kb) BAG3, CRYAB, DES, FLNC, KY, LDB3, MYL2, MYOT, PYROXD1, SVIL, TTN, UNC45B</p> <p>Gliedergürtelmuskeldystrophie (LGMD): 17 Gene (131,7 kb) BVES, CAV3, DES, DPM3, FKRP, FKTN, JAG2, LAMA2, LIMS2, POMT1, SGCA, SGCB, SGCD, SGCG, TCAP, TOR1AIP1, TTN</p> <p>Emery-Dreifuss-Muskeldystrophie (EMDM): 6 Gene (51,8 kb) EMD, FHL1, LMNA, SYNE1, SYNE2, TMEM43</p> <p>Duchenne/Becker-Muskeldystrophie (DMD, BMD): 1 Gen (11,1 kb) DMD</p>	4 – 6 Wochen

Panel-ID		Kardiale Arrhythmien	Bearbeitungszeit
ID013	Long-QT-Syndrom (LQT)	<p>Long-QT-Syndrom (LQT): 18 Gene (52,5 kb) AKAP9, ALG10B, ANK2, CACNA1C, CALM1, CALM2, CALM3, CAV3, KCNE1, KCNE2, KCNH2, KCNJ2, KCNJ5, KCNQ1, SCN4B, SCN5A, SNTA1, TRDN</p>	3 – 5 Wochen
ID233	Short-QT-Syndrom (SQT)	<p>Short-QT-Syndrom (SQT): 6 Gene (18,3 kb) CACNA1C, CACNA2D1, CACNB2, KCNH2, KCNJ2, KCNQ1</p>	3 – 5 Wochen
ID014	Brugada-Syndrom (BRGDA)	<p>Brugada-Syndrom (BRGDA): 23 Gene (56,4 kb) ABCC9, CACNA1C, CACNA2D1, CACNB2, FGF12, GPD1L, HCN4, KCND2, KCND3, KCNE3, KCNE5, KCNH2, KCNJ8, PKP2, RANGRF, SCN1B, SCN2B, SCN3B, SCN5A, SCN10A, SEMA3A, SLMAP, TRPM4</p>	3 – 5 Wochen
ID016	Familiäres Vorhofflimmern (ATFB)	<p>Familiäres Vorhofflimmern (ATFB): 17 Gene (29,5 kb) ABCC9, GJA5, KCNA5, KCNE1, KCNE2, KCNE5, KCNH2, KCNJ2, KCNQ1, MYL4, NPPA, NUP155, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A</p>	3 – 5 Wochen

Panel-ID		Kardiale Arrhythmien	Bearbeitungszeit
ID107	Sick-Sinus-Syndrom (SSS)	Sick-Sinus-Syndrom (SSS): 4 Gene (16,5 kb) GNB2, HCN4, MYH6, SCN5A	3 – 5 Wochen
ID012	Katecholaminerge polymorphe ventrikuläre Tachykardie (CPVT)	Katecholaminerge polymorphe ventrikuläre Tachykardie (CPVT): 10 Gene (37,7 kb) ANK2, CALM1, CALM2, CALM3, CASQ2, KCNJ2, MYBPC3, RYR2, TECRL, TRDN	3 – 5 Wochen
ID010	Arrhythmogene rechtsventrikuläre Dysplasie (ARVD, ARVC)	Arrhythmogene rechtsventrikuläre Dysplasie (ARVD, ARVC): 15 Gene (150,6 kb) CDH2, CTNNA3, DES, DSC2, DSG2, DSP, JUP, PLN, LMNA, PKP2, PRKAG2, RYR2, TGFB3, TMEM43, TTN	4 – 6 Wochen
ID349	Plötzlicher Herztod	<p>Plötzlicher Herztod: 110 Gene (366,9 kb)</p> <p>ABCC9, ACTC1, ACTN2, AKAP9, ALG10B, ALPK3, ANK2, ANKRD1, BAG3, BAG5, CACNA1C, CACNA2D1, CACNB2, CALM1, CALM2, CALM3, CASQ2, CAV3, CDH2, CRYAB, CSRP3, CTNNA3, DES, DMD, DOLK, DPP6, DSC2, DSG2, DSP, EMD, EYA4, FGF12, FHL1, FHOD3, FKRP, FKTN, FLNC, GATAD1, GLA, GNB2, GPD1L, HCN4, JPH2, JUP, KCNA5, KCND2, KCND3, KCNE1, KCNE2, KCNE3, KCNE5, KCNH2, KCNJ2, KCNJ5, KCNJ8, KCNQ1, LAMA4, LAMP2, LDB3, LMNA, MYBPC3, MYH6, MYH7, MYL2, MYL3, MYLK2, MYOZ2, MYPN, NEXN, NKX2-5, PKP2, PLN, PPCS, PRDM16, PRKAG2, PSEN1, PSEN2, RAF1, RANGRF, RBM20, RPL3L, RYR2, SCN10A, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A, SDHA, SEMA3A, SGCD, SLC4A3, SLMAP, SNTA1, TBX5, TCAP, TECRL, TGFB3, TMEM43, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TRDN, TRIM63, TRPM4, TTN, TTR, VCL</p> <p>Kardiale Arrhythmien (BRGDA, LQT) und plötzlicher Herztod: 65 Gene (268,2 kb)</p> <p>ABCC9, AKAP9, ALG10B, ANK2, CACNA1C, CACNA2D1, CACNB2, CALM1, CALM2, CALM3, CASQ2, CAV3, CDH2, CTNNA3, DES, DPP6, DSC2, DSG2, DSP, EMD, FGF12, GNB2, GPD1L, HCN4, JPH2, JUP, KCNA5, KCND2, KCND3, KCNE1, KCNE2, KCNE3, KCNE5, KCNH2, KCNJ2, KCNJ5, KCNJ8, KCNQ1, LMNA, MYBPC3, MYH6, NKX2-5, PKP2, PLN, PRKAG2, RANGRF, RYR2, SCN10A, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A, SEMA3A, SLC4A3, SLMAP, SNTA1, TBX5, TECRL, TGFB3, TMEM43, TNNI3, TRDN, TRPM4, TTN</p> <p>Kardiomyopathien (HCM, DCM) und plötzlicher Herztod: 63 Gene (247,7 kb)</p> <p>ABCC9, ACTC1, ACTN2, ALPK3, ANKRD1, BAG3, BAG5, CAV3, CRYAB, CSRP3, DES, DMD, DOLK, DSG2, DSP, EMD, EYA4, FHL1, FHOD3, FKRP, FKTN, FLNC, GATAD1, GLA, JPH2, JUP, LAMA4, LAMP2, LDB3, LMNA, MYBPC3, MYH6, MYH7, MYL2, MYL3, MYLK2, MYOZ2, MYPN, NEXN, NKX2-5, PLN, PPCS, PRDM16, PRKAG2, PSEN1, PSEN2, RAF1, RBM20, RPL3L, SCN5A, SDHA, SGCD, TCAP, TMEM43, TNNC1, TNNI3, TNNI3K, TNNT2, TPM1, TRIM63, TTN, TTR, VCL</p>	4 – 6 Wochen

Panel-ID		Kardiale Arrhythmien	Bearbeitungszeit
ID330	Frühes Repolarisationssyndrom (ERS)	Frühes Repolarisationssyndrom (ERS): 12 Gene (38,9 kb) ABCC9, CACNA1C, CACNA2D1, CACNB2, DPP6, GPD1L, KCND3, KCNE1, KCNH2, KCNJ8, SCN5A, SCN10A	3 – 5 Wochen
ID026	Kardiale Arrhythmien, umfassende Diagnostik	Kardiale Arrhythmien, umfassende Diagnostik: 67 Gene (266,9 kb) ABCC9, AKAP9, ALG10B, ANK2, CACNA1C, CACNA2D1, CACNB2, CALM1, CALM2, CALM3, CASQ2, CAV3, CDH2, CTNNA3, DES, DPP6, DSC2, DSG2, DSP, EMD, FGF12, GJA5, GNB2, GPD1L, HCN4, JPH2, JUP, KCNA5, KCND2, KCND3, KCNE1, KCNE2, KCNE3, KCNE5, KCNH2, KCNJ2, KCNJ5, KCNJ8, KCNQ1, LMNA, MYH6, MYL4, NKX2-5, NPPA, NUP155, PKP2, PLN, PRKAG2, RANGRF, RYR2, SCN10A, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A, SEMA3A, SLMAP, SNTA1, TBX5, TECRL, TGFB3, TMEM43, TNNI3, TRDN, TRPM4, TTN Long-QT-Syndrom (LQT): 18 Gene (52,5 kb) AKAP9, ALG10B, ANK2, CACNA1C, CALM1, CALM2, CALM3, CAV3, KCNE1, KCNE2, KCNH2, KCNJ2, KCNJ5, KCNQ1, SCN4B, SCN5A, SNTA1, TRDN Brugada-Syndrom (BRGDA): 23 Gene (56,4 kb) ABCC9, CACNA1C, CACNA2D1, CACNB, FGF12, GPD1L, HCN4, KCND2, KCND3, KCNE3, KCNE5, KCNH2, KCNJ8, PKP2, RANGRF, SCN1B, SCN2B, SCN3B, SCN5A, SCN10A, SEMA3A, SLMAP, TRPM4 Frühes Repolarisationssyndrom (ERS): 12 Gene (38,9 kb) ABCC9, CACNA1C, CACNA2D1, CACNB2, DPP6, GPD1L, KCND3, KCNE1, KCNH2, KCNJ8, SCN5A, SCN10A Familiäres Vorhofflimmern (ATFB): 17 Gene (29,5 kb) ABCC9, GJA5, KCNA5, KCNE1, KCNE2, KCNE5, KCNH2, KCNJ2, KCNQ1, MYL4, NPPA, NUP155, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A Short-QT-Syndrom (SQT): 6 Gene (18,3 kb) CACNA1C, CACNA2D1, CACNB2, KCNH2, KCNJ2, KCNQ1 Sick-Sinus-Syndrom (SSS): 4 Gene (16,5 kb) GNB2, HCN4, MYH6, SCN5A Katecholaminerge polymorphe ventrikuläre Tachykardie (CPVT): 10 Gene (37,7 kb) ANK2, CALM1, CALM2, CALM3, CASQ2, KCNJ2, MYBPC3, RYR2, TECRL, TRDN Arrhythmogene rechtsventrikuläre Dysplasie (ARVD): 15 Gene (150,6 kb) CDH2, CTNNA3, DES, DSC2, DSG2, DSP, JUP, PLN, LMNA, PKP2, PRKAG2, RYR2, TGFB3, TMEM43, TTN	4 – 6 Wochen

Panel-ID	Kongenitale Herzfehler		Bearbeitungszeit
ID017	Isolierte kongenitale Herzfehler	<p>Isolierte kongenitale Herzfehler: 43 Gene (103,7 kb) ACTC1, ACVR2B, ADAMTS19, CFAP45, CFAP52, CFAP53, CFC1, CIROP, CITED2, CRELD1, ELN, FLNA, FLT4, FOXH1, GATA4, GATA5, GATA6, GDF1, GJA1, HAND1, ISL1, JAG1, MMP21, MED13L, MNS1, MYH6, NKX2-5, NKX2-6, NR2F2, NODAL, NOTCH1, PKD1L1, PLD1, PRDM6, ROBO4, SMAD6, TAB2, TBX1, TBX20, TFAP2B, TLL1, ZFPM2, ZIC3</p> <p>Atrium- und Ventrikelseptumdefekt (ASD, VSD, AVSD): 12 Gene (21,1 kb) ACTC1, CITED2, CRELD1, GATA4, GATA5, GATA6, GJA1, MYH6, NR2F2, NKX2-5, TBX20, TLL1</p> <p>Fallot-Tetralogie (TOF): 12 Gene (23,5 kb) FLT4, GATA4, GATA5, GATA6, GDF1, ISL1, JAG1, NKX2-5, NR2F2, TAB2, TBX1, ZFPM2</p> <p>Viszerale Heterotaxie (HTX): 13 Gene (26,2 kb) ACVR2B, CFAP45, CFAP52, CFAP53, CFC1, CIROP, CRELD1, GDF1, MMP21, MNS1, NODAL, PKD1L1, ZIC3</p> <p>Konotrunkale Herzfehlbildung (CTHM): 12 Gene (24,8 kb) CFC1, FLT4, FOXH1, GATA5, GATA6, GDF1, MED13L, NKX2-5, NKX2-6, TBX1, ZFPM2, ZIC3</p> <p>Aortenklappenerkrankung (AOVD): 7 Gene (19,1 kb) ELN, GATA5, NOTCH1, NR2F2, ROBO4, SMAD6, TAB2</p> <p>Hypoplastisches Linksherzsyndrom (HLHS): 5 Gene (5,1 kb) GDF1, GJA1, HAND1, NKX2-5, NR2F2</p> <p>Kongenitale multiple Herzfehlbildung (CHTD): 7 Gene (14,4 kb) FLT4, GATA5, GDF1, NR2F2, PLD1, TAB2, ZIC3</p> <p>Herzklappendysplasie (CVDP): 3 Gene (14,8 kb) ADAMTS19, FLNA, PLD1</p>	4 – 6 Wochen
ID145	Viszerale Heterotaxie (HTX)	<p>Viszerale Heterotaxie (HTX): 18 Gene (72,4 kb) ACVR2B, CFAP45, CFAP52, CFAP53, CFC1, CIROP, CRELD1, GDF1, DNAAF1, DNAH5, DNAH11, DNAH9, MMP21, MNS1, NODAL, ODAD2, PKD1L1, ZIC3</p>	3 – 5 Wochen
ID301	Bikuspide Aortenklappe (AOVD)	<p>Bikuspide Aortenklappe (AOVD): 6 Gene (16,7 kb) GATA5, NOTCH1, NR2F2, ROBO4, SMAD6, TAB2</p>	3 – 5 Wochen
ID144	Fallot-Tetralogie (TOF)	<p>Fallot-Tetralogie (TOF): 12 Gene (23,5 kb) FLT4, GATA4, GATA5, GATA6, GDF1, ISL1, JAG1, NKX2-5, NR2F2, TAB2, TBX1, ZFPM2</p>	3 – 5 Wochen
ID160	Konotrunkale Herzfehlbildung (CTHM)	<p>Konotrunkale Herzfehlbildung (CTHM): 12 Gene (24,8 kb) CFC1, FLT4, FOXH1, GATA5, GATA6, GDF1, MED13L, NKX2-5, NKX2-6, TBX1, ZFPM2, ZIC3</p>	3 – 5 Wochen

Panel-ID		Kongenitale Herzfehler	Bearbeitungszeit
ID143	Atrium- und Ventrikelseptumdefekt (ASD, VSD, AVSD)	Atrium- und Ventrikelseptumdefekt (ASD, VSD, AVSD): 12 Gene (21,1 kb) ACTC1, CITED2, CRELD1, GATA4, GATA5, GATA6, GJA1, MYH6, NKX2-5, NR2F2, TBX20, TLL1	3 – 5 Wochen
ID302	Kongenitale multiple Herzfehlbildung (CHTD)	Kongenitale multiple Herzfehlbildung (CHTD): 7 Gene (14,4 kb) FLT4, GATA5, GDF1, NR2F2, PLD1, TAB2, ZIC3	3 – 5 Wochen
ID019	Kongenitale Herzfehler, umfassende Diagnostik	Kongenitale Herzfehler, umfassende Diagnostik: 149 Gene (472,4 kb) ABL1, ACTA2, ACTB, ACTC1, ACTG1, ACVR2B, ADAMTS10, ADAMTS17, ADAMTS19, AFF4, ARHGAP31, ARID1A, ARID1B, B3GAT3, BCOR, BRAF, CBL, CCDC22, CDK13, CFAP45, CFAP52, FAP53, CFC1, CHD4, CHD7, CIROP, CITED2, CREBBP, CRELD1, DHCRT7, DLL4, DNAAF1, DNAH5, DNAH9, DNAH11, DOCK6, DPYSL5, DTNA, EHMT1, ELN, EOGT, EP300, EVC, EVC2, FBN1, FBN2, FLNA, FLT4, FOXC1, FOXF1, FOXH1, FOXP1, GATA4, GATA5, GATA6, GDF1, GJA1, GPC3, HAAO, HAND1, HOXA1, HRAS, ISL1, JAG1, KDM6A, KMT2D, KRAS, KYNU, LTBP2, LZTR1, MAP2K1, MAP2K2, MAPK1, MED12, MED13L, MEGF8, MEIS2, MGP, MMP21, MNS1, MRAS, MYH11, MYH6, MYRF, NADSYN1, NF1, NIPBL, NKX2-5, NKX2-6, NODAL, NONO, NOTCH1, NOTCH2, NR2F2, NRAS, NSD1, ODAD2, PIGL, PITX2, PKD1L1, PLD1, PPP1CB, PRDM6, PRKAR1A, PRKD1, PTPN11, RAB23, RAF1, RBM10, RBPJ, RERE, RIT1, ROBO4, RRAS2, SALL1, SALL4, SEMA3E, SHOC2, SMAD6, SMARCA4, SMARCB1, SMARCE1, SMC3, SOS1, SOS2, SPRED2, STAG2, STRA6, TAB2, TBX1, TBX20, TBX3, TBX5, TFAP2B, TGDS, TGFBR1, TGFBR2, TKT, TLL1, TMEM260, TMEM94, TRAF7, VPS35L, WASHC5, WDPCP, YY1AP1, ZEB2, ZFPM2, ZIC3 Isolierte kongenitale Herzfehler: 48 Gene (149,9 kb) ACTC1, ACVR2B, ADAMTS19, DNAAF1, DNAH5, DNAH9, DNAH11, CFAP45, CFAP52, CFAP53, CFC1, CIROP, CITED2, CRELD1, ELN, FLNA, FLT4, FOXH1, GATA4, GATA5, GATA6, GDF1, GJA1, HAND1, ISL1, JAG1, MMP21, MED13L, MNS1, MYH6, NKX2-5, NKX2-6, NR2F2, NODAL, NOTCH1, ODAD2, PKD1L1, PLD1, PRDM6, ROBO4, SMAD6, TAB2, TBX1, TBX20, TFAP2B, TLL1, ZFPM2, ZIC3 Syndromale kongenitale Herzfehler: 109 Gene (354,9 kb) ABL1, ACTA2, ACTB, ACTG1, ADAMTS10, ADAMTS17, AFF4, ARHGAP31, ARID1A, ARID1B, B3GAT3, BCOR, BRAF, CBL, CCDC22, CDK13, CHD4, CHD7, CREBBP, DHCRT7, DLL4, DOCK6, DPYSL5, DTNA, EHMT1, EOGT, EP300, EVC, EVC2, FBN1, FBN2, FLNA, FOXC1, FOXF1, FOXP1, GATA4, GATA5, GATA6, GPC3, HAAO, HOXA1, HRAS, JAG1, KDM6A, KMT2D, KRAS, KYNU, LTBP2, LZTR1, MAP2K1, MAP2K2, MAPK1, MED12, MED13L, MEGF8, MEIS2, MGP, MRAS, MYH11, MYRF, NADSYN1, NF1, NIPBL, NONO, NOTCH1, NOTCH2, NRAS, NSD1, PIGL, PITX2, PPP1CB, PRKAR1A, PRKD1, PTPN11, RAB23, RAF1, RBM10, RBPJ, RERE, RIT1, RRAS2, SALL1, SALL4, SEMA3E, SHOC2, SMARCA4, SMARCB1, SMARCE1, SMC3, SOS1, SOS2, STAG2, SPRED2, STRA6, TBX1, TBX3, TBX5, TFAP2B, TGDS, TGFBR1, TGFBR2, TKT, TMEM260, TMEM94, TRAF7, VPS35L, WASHC5, WDPCP, YY1AP1, ZEB2, ZIC3	4 – 6 Wochen

Panel-ID		Kongenitale Herzfehler	Bearbeitungszeit
ID252	Syndromale kongenitale Herzfehler	<p>Syndromale kongenitale Herzfehler: 109 Gene (354,9 kb)</p> <p>ABL1, ACTA2, ACTB, ACTG1, ADAMTS10, ADAMTS17, AFF4, ARHGAP31, ARID1A, ARID1B, B3GAT3, BCOR, BRAF, CBL, CCDC22, CDK13, CHD4, CHD7, CREBBP, DHCR7, DLL4, DOCK6, DPYSL5, DTNA, EHMT1, EOGT, EP300, EVC, EVC2, FBN1, FBN2, FLNA, FOXC1, FOXF1, FOXP1, GATA6, GPC3, HAAO, HOXA1, HRAS, JAG1, KDM6A, KMT2D, KRAS, KYNU, LTBP2, LZTR1, MAP2K1, MAP2K2, MAPK1, MED12, MED13L, MEGF8, MEIS2, MGP, MRAS, MYH11, MYRF, NADSYN1, NF1, NIPBL, NONO, NOTCH1, NOTCH2, NRAS, NSD1, PIGL, PITX2, PPP1CB, PRKAR1A, PRKD1, PTPN11, RAB23, RAF1, RBM10, RBPJ, RERE, RIT1, RRAS2, SALL1, SALL4, SEMA3E, SHOC2, SMARCA4, SMARCB1, SMARCE1, SMC3, SOS1, SOS2, STAG2, SPRED2, STRA6, TBX1, TBX3, TBX5, TFAP2B, TGDS, TGFBR1, TGFBR2, TKT, TMEM260, TMEM94, TRAF7, VPS35L, WASHC5, WDPCP, YY1AP1, ZEB2, ZIC3</p> <p>Noonan-Syndrom (NS): 16 Gene (27,4 kb)</p> <p>BRAF, CBL, KRAS, LZTR1, MAPK1, MRAS, NRAS, PPP1CB, PTPN11, RAF1, RIT1, RRAS2, SHOC2, SOS1, SOS2, SPRED2</p> <p>Kardiofazikutanes Syndrom (CFC): 4 Gene (4,3 kb)</p> <p>BRAF, KRAS, MAP2K1, MAP2K2</p> <p>Ritscher-Schinzel-Syndrom (RTSC): 4 Gene (10,0 kb)</p> <p>DPYSL5, CCDC22, VPS35L, WASHC5</p> <p>Weill-Marchesani-Syndrom (WMS): 4 Gene (20,7 kb)</p> <p>ADAMTS10, ADAMTS17, FBN1, LTBP2</p> <p>Adams-Oliver-Syndrom (AOS): 6 Gene (23,2 kb)</p> <p>ARHGAP31, DLL4, DOCK6, EOGT, NOTCH1, RBPJ</p> <p>Kabuki-Syndrom (KABUK): 2 Gene (20,8 kb)</p> <p>KDM6A, KMT2D</p> <p>Alagille-Syndrom (ALGS): 2 Gene (11,1 kb)</p> <p>JAG1, NOTCH2</p> <p>Marfan-Syndrom (MFS): 3 Gene (12,0 kb)</p> <p>FBN1, TGFBR1, TGFBR2</p> <p>CHARGE-Syndrom: 2 Gene (11,3 kb)</p> <p>CHD7, SEMA3E</p> <p>VCRL-Syndrom: 3 Gene (4,4 kb)</p> <p>HAAO, KYNU, NADSYN1</p>	4 – 6 Wochen
ID165	Herz-Hand-Syndrom	Herz-Hand-Syndrom: 9 Gene (23,9 kb)	3 – 5 Wochen
		DACT1, GATA6, LMNA, RBM8A, RECQL4, SALL1, SALL4, TBX3, TBX5	

Panel-ID		Kongenitale Herzfehler	Bearbeitungszeit
ID307	CHARGE-Syndrom	CHARGE-Syndrom: 3 Gene (12,9 kb) CHD7, SEMA3E, TBX22	3 – 5 Wochen
ID112	Alagille-Syndrom (AGS)	Alagille-Syndrom (AGS): 2 Gene (11,1 kb) JAG1, NOTCH2	3 – 5 Wochen
ID015	RASopathien	RASopathien: 22 Gene (45,8 kb) A2ML1, BRAF, CBL, HRAS, KRAS, LZTR1, MAP2K1, MAP2K2, MAPK1, MRAS, NF1, NRAS, PTPN11, RAF1, RASA2, RRAS2, PPP1CB, RIT1, SHOC2, SOS1, SOS2, SPRED1 Noonan-Syndrom (NS): 16 Gene (30,3 kb) A2ML1, BRAF, KRAS, LZTR1, MAPK1, MRAS, NRAS, PPP1CB, PTPN11, RAF1, RASA2, RIT1, RRAS2, SHOC2, SOS1, SOS2 Kardiofaziotikanes Syndrom (CFC): 4 Gene (5,3 kb) BRAF, KRAS, MAP2K1, MAP2K2 LEOPARD-Syndrom (LPRD): 3 Gene (6,0 kb) BRAF, PTPN11, RAF1	3 – 5 Wochen

Panel-ID		Gefäßerkrankungen / Aortenerkrankungen	Bearbeitungszeit
ID009	Loeys-Dietz-Syndrom (LDS) und ähnliche Aortenerkrankungen	Loeys-Dietz-Syndrom (LDS) und ähnliche Aortenerkrankungen: 37 Gene (110,5 kb) ACTA2, AEBP1, ALDH18A1, BGN, C1S, C1R, COL1A2, COL3A1, COL5A1, COL5A2, EFEMP2, ELN, FBLN5, FBN1, FBN2, FKBP14, FLNA, FOXE3, LOX, LTBP4, MAT2A, MFAP5, MYH11, MYLK, NOTCH1, PLOD1, PRKG1, ROBO4, SKI, SLC2A10, SMAD2, SMAD3, SMAD6, TGFB2, TGFB3, TGFBR1, TGFBR2 Loeys-Dietz-Syndrom (LDS): 8 Gene (11,1 kb) BGN, SLC2A10, SMAD2, SMAD3, TGFB2, TGFB3, TGFBR1, TGFBR2 Thorakales Aortenaneurysma, nicht-syndromal (AAT): 10 Gene (22,0 kb) ACTA2, FOXE3, LOX, MAT2A, MFAP5, MYH11, MYLK, PRKG1, TGFBR1, TGFBR2 Thorakales Aortenaneurysma und Aortendissektion (TAA/D): 9 Gene (31,6 kb; EBM) ACTA2, COL3A1, FBN1, MYH11, MYLK, SMAD3, TGFB2, TGFBR1, TGFBR2 Aortenklappenerkrankung (AOVD): 3 Gene (12,2 kb) NOTCH1, ROBO4, SMAD6	4 – 6 Wochen

Panel-ID		Gefäßerkrankungen / Aortenerkrankungen	Bearbeitungszeit
ID020	Thorakales Aortenaneurysma und Aortendissektion (TAA/D)	Thorakales Aortenaneurysma und Aortendissektion (TAA/D): 9 Gene (31,5 kb; EBM) ACTA2, COL3A1, FBN1, MYH11, MYLK, SMAD3, TGFB2, TGFBR1, TGFBR2	3 – 5 Wochen
ID137	Bindegewebserkrankungen mit Aortenbeteiligung	Bindegewebserkrankungen mit Aortenbeteiligung: 64 Gene (211,5 kb) ACTA2, ADAMTS10, ADAMTS17, ADAMTS2, AEBP1, ALDH18A1, ATP6V0A2, ATP6V1A, ATP6V1E1, B3GALT6, B4GALT7, BGN, C1R, C1S, CBS, CHST14, COL11A1, COL12A1, COL1A1, COL1A2, COL2A1, COL3A1, COL4A1, COL5A1, COL5A2, COL9A1, COL9A2, DSE, EFEMP2, ELN, FBLN5, FBN1, FBN2, FKBP14, FLNA, FOXE3, LOX, LTBP2, LTBP4, MAT2A, MED12, MFAP5, MYH11, MYLK, NOTCH1, PLOD1, PLOD3, PRDM5, PRKG1, PYCR1, ROBO4, SKI, SLC2A10, SLC39A13, SMAD2, SMAD3, SMAD6, TGFB2, TGFB3, TGFBR1, TGFBR2, THSD4, TNXB, ZNF469 Thorakales Aortenaneurysma und Aortendissektion (AAT, TAA/D): 16 Gene (40,6 kb) ACTA2, COL3A1, FBN1, FOXE3, LOX, MFAP5, MYH11, MYLK, PRKG1, SLC2A10, SMAD2, SMAD3, TGFB2, TGFB3, TGFBR1, TGFBR2 Ehlers-Danlos-Syndrom (EDS): 20 Gene (79,6 kb) ADAMTS2, AEBP1, B3GALT6, B4GALT7, C1R, C1S, CHST14, COL1A1, COL1A2, COL3A1, COL5A1, COL5A2, COL12A1, DSE, FKBP14, PLOD1, PRDM5, SLC39A13, TNXB, ZNF469 Cutis laxa-Syndrom (ARCL, ADCL): 9 Gene (18,3 kb) ALDH18A1, ATP6V0A2, ATP6V1A, ATP6V1E1, EFEMP2, ELN, FBLN5, LTBP4, PYCR1 Marfan-Syndrom (MFS): 5 Gene (22,2 kb) CBS, FBN1, FBN2, TGFBR2, TGFBR1 Stickler-Syndrom (STL): 4 Gene (14,7 kb) COL2A1, COL9A1, COL9A2, COL11A1 Weill-Marchesani-Syndrom (WMS): 4 Gene (20,7 kb) ADAMTS10, ADAMTS17, FBN1, LTBP2	4 – 6 Wochen
ID039	Ehlers-Danlos-Syndrom (EDS)	Ehlers-Danlos-Syndrom (EDS): 20 Gene (79,6 kb) ADAMTS2, AEBP1, B3GALT6, B4GALT7, C1R, C1S, CHST14, COL1A1, COL1A2, COL3A1, COL5A1, COL5A2, COL12A1, DSE, FKBP14, PLOD1, PRDM5, SLC39A13, TNXB, ZNF469 Ehlers-Danlos-Syndrom, autosomal-dominant: 8 Gene (36,1 kb) C1R, C1S, COL1A1, COL1A2, COL3A1, COL5A1, COL5A2, COL12A1 Ehlers-Danlos-Syndrom, autosomal-rezessiv: 13 Gene (47,6 kb) ADAMTS2, AEBP1, B3GALT6, B4GALT7, CHST14, COL1A2, DSE, FKBP14, PLOD1, PRDM5, SLC39A13, TNXB, ZNF469	3 – 5 Wochen

Panel-ID		Gefäßerkrankungen / Aortenerkrankungen	Bearbeitungszeit
ID109	Cutis laxa (ADCL, ARCL)	Cutis laxa (ADCL, ARCL): 10 Gene (22,7 kb) ALDH18A1, ATP6VOA2, ATP6V1A, ATP6V1E1, ATP7A, EFEMP2, ELN, FBLN5, LTBP4, PYCR1	3 – 5 Wochen
ID022	Marfan-Syndrom (MFS)	Marfan-Syndrom (MFS): 3 Gene (11,8 kb; EBM) FBN1, TGFBR1, TGFBR2	3 – 5 Wochen
ID194	Marfan-Syndrom (MFS) und ähnliche Krankheitsbilder	Marfan-Syndrom (MFS) und ähnliche Krankheitsbilder: 39 Gene (134,2 kb) ACTA2, ADAMTS10, ADAMTS17, ADAMTSL4, BGN, CBS, CHST14, COL1A2, COL2A1, COL3A1, COL5A1, COL5A2, COL9A1, COL9A2, COL11A1, DSE, EFEMP2, FBN1, FBN2, FKBP14, FLNA, FOXE3, LOX, LTBP2, MED12, MTHFR, MYH11, MYLK, PLOD1, PRDM5, SKI, SLC2A10, SMAD2, SMAD3, TGFB2, TGFB3, TGFBR1, TGFBR2, ZNF469 Marfan-Syndrom (MFS): 3 Gene (11,8 kb) FBN1, TGFBR1, TGFBR2 Thorakales Aortenaneurysma (TAA/D): 13 Gene (36,4 kb) ACTA2, COL3A1, FBN1, FOXE3, LOX, MYH11, MYLK, SMAD2, SMAD3, TGFB2, TGFB3, TGFBR1, TGFBR2 Stickler-Syndrom (STL): 4 Gene (14,7 kb) COL2A1, COL9A1, COL9A2, COL11A1 Weill-Marchesani-Syndrom (WMS): 4 Gene (20,7 kb) ADAMTS10, ADAMTS17, FBN1, LTBP2 Ehlers-Danlos-Syndrom (EDS): 10 Gene (39,1 kb) CHST14, COL1A2, COL3A1, COL5A1, COL5A2, DSE, FKBP14, PLOD1, PRDM5, ZNF469	4 – 6 Wochen
ID155	Hereditäre hämorrhagische Teleangiektasie (HHT)	Hereditäre hämorrhagische Teleangiektasie (HHT): 7 Gene (15,6 kb) ACVRL1, BMPR2, ENG, EPHB4, GDF2, RASA1, SMAD4	3 – 5 Wochen
ID281	Pulmonale arterielle Hypertonie (PAH)	Pulmonale arterielle Hypertonie (PAH): 22 Gene (45,9 kb) ABCC8, ACVRL1, AQP1, ATP13A3, BMPR1B, BMPR2, CAV1, EIF2AK4, ENG, FOXF1, G6PC3, GDF2, KCNA5, KCNK3, NFU1, NOTCH3, SARS2, SMAD1, SMAD4, SMAD9, SOX17, TBX4	3 – 5 Wochen
ID167	CADASIL und CARASIL	CADASIL und CARASIL: 3 Gene (9,4 kb) HTRA1, NOTCH3, TREX1	3 – 5 Wochen
ID325	Zerebrale Kleingefäßerkrankung (BSVD)	Zerebrale Kleingefäßerkrankung (BSVD): 3 Gene (12,0 kb) COL4A1, COL4A2, COLGALT1	3 – 5 Wochen

Panel-ID		Gefäßerkrankungen / Aortenerkrankungen	Bearbeitungszeit
ID234	Zerebrovaskuläre Erkrankungen und Schlaganfall	<p>Zerebrovaskuläre Erkrankungen und Schlaganfall: 44 Gene (130,0 kb) ACE, ACTA2, ADA2, ALOX5AP, APOE, APP, CBS, CCM2, COL3A1, COL4A1, COL4A2, COLGALT1, CST3, F2, F5, FBN1, FLNA, GAA, GLA, GSN, GUCY1A1, HTRA1, ITM2B, JAG1, KRIT1, MTHFR, MYH11, MYLK, NOS3, NOTCH3, OTC, PDCD10, POLG, PRKCH, PRNP, RNF213, SLC2A10, SMAD3, TGFB2, GFB3, TGFBR1, TGFBR2, TREX1, TTR</p> <p>Zerebrale Amyloidangiopathie: 6 Gene (7,1 kb) APP, CST3, GSN, ITM2B, PRNP, TTR</p> <p>Zerebrale Kleingefäßerkrankung (BSVD): 3 Gene (12,0 kb) COL4A1, COL4A2, COLGALT1</p> <p>Zerebrale kavernöse Fehlbildung (CCM): 3 Gene (4,2 kb) CCM2, KRIT1, PDCD10</p> <p>Zerebrales Aneurysma und Dissektion: 10 Gene (32,8 kb) ACTA2, COL3A1, FBN1, MYH11, MYLK, SMAD3, TGFB2, TGFB3, TGFBR1, TGFBR2</p> <p>Moyamoya-Erkrankung (MYMY): 4 Gene (22,2 kb) ACTA2, GUCY1A1, JAG1, RNF213</p> <p>CADASIL, CARASIL: 2 Gene (8,4 kb) HTRA1, NOTCH3</p>	4 – 6 Wochen

Kosten

Die Kosten werden bei bestehender medizinischer Indikation über einen Überweisungsschein Typ 10 (EBM) abgerechnet. Humangenetische Leistungen sind nicht budgetrelevant.

Für privatversicherte Patienten sowie private Kostenträger (Krankenhäuser etc.) können auf Wunsch entsprechende Kostenvoranschläge erstellt werden.