List of flexibly accredited analytes

Field of investigation: human genetics (molecular human genetics)

Type of analysis:

Molecular genetic tests (amplification based methods)

Analyte (measured variable)	Test material (matrix)	Testing Technique	Instruction / Version
BCR[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	Fragment length analysis	AA-M-006-13
CUX1[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	Next Generation Sequencing (sequencing-by-synthesis, amplicon based, JSI)	AA-M-141-18
DNMT3A[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	digital PCR	AA-M-148-11
DPYD[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	Melting curve analysis	AA-M-176-03
FLT3[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	digital PCR	AA-M-148-11

Analyte (measured variable)	Test material (matrix)	Testing Technique	Instruction / Version
HFE[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	Next Generation Sequencing (sequencing-by-synthesis, amplicon based, JSI)	AA-M-141-18
IDH1[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	digital PCR	AA-M-148-11
IDH2[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	digital PCR	AA-M-148-11
SF3B1[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	digital PCR	AA-M-148-11
TP53[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	digital PCR	AA-M-148-11
TPSAB1[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	digital PCR CNV Analysis	AA-M-186-04

Analyte (measured variable)	Test material (matrix)	Testing Technique	Instruction / Version
Gen-Panel "Hämatologische Neoplasie" (APC, ARID1A, ASXL1, ASXL2, ATM, ATRX, BCL2, BCOR, BCORL1, BIRC3, BRAF, BRCC3, BTK, CALR, CARD11, CBL, CCND1, CD79A, CD79B, CDH23, CDKN2A, CEBPA, CHEK2, CREBBP, CSF3R, CSNK1A1, CTCF, CUX1, CXCR4, DDX3X, DDX41, DDX54, DHX29, DIS3, DNMT3A, EP300, ETNK1, ETV6, EZH2, FAM46C, FANCL, FAS, FAT4, FBXW7, FLT3, FLT3-ITD, FOXO1, GATA1, GATA2, GNAS, GNB1, GPR98, ID3, IDH1, IDH2, IKBKB, IL2RG, JAK1, JAK2, JAK3, KDM5A, KDM6A, KIT, KLF2, KLHL6, KMT2D, KRAS, LRP1B, MAP2K1, MAPK1, MEF2B, MPL, MYBBP1A, MYC, MYD88, NF1, NFKBIE, NOTCH1, NOTCH2, NPM1, NRAS, PHF6, PIGA, PLCG2, POT1, PPM1D, PRPF8, PTPN11, PTPRD, RAD21, RB1, RPS15, RUNX1, SETBP1, SF1, SF3A1, SF3B1, SH2B3, SMC1A, SMC3, SRSF2, STAG2, STAT3, STAT5B, SUZ12, TBL1XR1, TCF3, TET2, TLR2, TNFAIP3, TNFRSF14, TP53, TRAF3, U2AF1, U2AF2, UBR5, WHSC1, WT1, XPO1, ZBTB7A, ZMYM3, ZRSR2)[2]	DNA from bone marrow aspirate, peripheral blood	Next Generation Sequencing (sequencing-by-synthesis, Whole-Genome-Sequencing, Strelka/Pindel)	AA-M-145-08

Analyte (measured variable)	Test material (matrix)	Testing Technique	Instruction / Version
Gen-Panel "Hämatologische Neoplasie" (APC, ARID1A, ASXL1, ASXL2, ATM, ATRX, BCL2, BCOR, BCORL1, BIRC3, BRAF, BRCC3, BTK, CALR, CARD11, CBL, CCND1, CD79A, CD79B, CDH23, CDKN2A, CEBPA, CHEK2, CREBBP, CSF3R, CSNK1A1, CTCF, CUX1, CXCR4, DDX3X, DDX41, DDX54, DHX29, DIS3, DNMT3A, EP300, ETNK1, ETV6, EZH2, FAM46C, FANCL, FAS, FAT4, FBXW7, FLT3, FLT3-ITD, FOXO1, GATA1, GATA2, GNAS, GNB1, GPR98, ID3, IDH1, IDH2, IKBKB, IL2RG, JAK1, JAK2, JAK3, KDM5A, KDM6A, KIT, KLF2, KLHL6, KMT2D, KRAS, LRP1B, MAP2K1, MAPK1, MEF2B, MPL, MYBBP1A, MYC, MYD88, NF1, NFKBIE, NOTCH1, NOTCH2, NPM1, NRAS, PHF6, PIGA, PLCG2, POT1, PPM1D, PRPF8, PTPN11, PTPRD, RAD21, RB1, RPS15, RUNX1, SETBP1, SF1, SF3A1, SF3B1, SH2B3, SMC1A, SMC3, SRSF2, STAG2, STAT3, STAT5B, SUZ12, TBL1XR1, TCF3, TET2, TLR2, TNFAIP3, TNFRSF14, TP53, TRAF3, U2AF1, U2AF2, UBR5, WHSC1, WT1, XPO1, ZBTB7A, ZMYM3, ZRSR2)[2]	DNA from bone marrow aspirate, peripheral blood	Next Generation Sequencing (sequencing-by-synthesis, Exome-Sequencing, sequence capture, Pisces, Pindel)	AA-M-154-18, AA-M-158-18

Analyte (measured variable)	Test material (matrix)	Testing Technique	Instruction / Version
Gen-Panel "Lymphatische Erkrankungen" (ARID1A, ATM, ATR, BCL10, BCL2, BIRC3, BRAF, BTK, CARD11, CCL22, CCND1, CD28, CD79B, CREBBP, CXCR4, DIS3, DNMT3A, EGR1, EP300, ETV6, EZH2, FBXW7, FLT3, FOXO1, FYN, ID3, IDH2, IKZF1, IRF4, JAK1, JAK2, JAK3, KLF2, KLHL6, KMT2D, KRAS, MAP2K1, MEF2B, MYC, MYD88, NOTCH1, NOTCH2, NRAS, PAX5, PHF6, PLCG1, PLCG2, POT1, PTEN, RHOA, RPS15, RUNX1, SF3B1, SGK1, SOCS1, STAT3, STAT5B, STAT6, TET2, TNFAIP3, TP53, UBR5, VAV1, XPO1, ZEB2)[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	Next Generation Sequencing (sequencing-by-synthesis, sequence capture, Pisces)	AA-M-154-18, AA-M-158-18

Analyte (measured variable)	Test material (matrix)	Testing Technique	Instruction / Version
Gen-Panel "Myeloische Erkrankungen" (ASXL1, ASXL2, ATRX, BCOR, BCORL1, BRAF, CALR, CBL, CEBPA, CSF3R, CSNK1A1, CUX1, DDX41, DNMT3A, ETNK1, ETV6, EZH2, FBXW7, FLT3, FLT3-ITD, GATA1, GATA2, GNB1, IDH1, IDH2, IL6R, JAK2, KIT, KRAS, MPL, MYD88, NF1, NOTCH1, NPM1, NRAS, PDGFRA, PDGFRB, PHF6, PIGA, PPM1D, PRPF8, PTEN, PTPN11, RAD21, RUNX1, SETBP1, SF1, SF3A1, SF3B1, SH2B3, SMC1A, SMC3, SRSF2, STAG2, SUZ12, TET2, TP53, U2AF1, U2AF2, UBA1, WT1, ZEB2, ZRSR2)[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [1]	Next Generation Sequencing (sequencing-by-synthesis, sequence capture, Pisces, Pindel)	AA-M-154-18, AA-M-158-18

Analyte (measured variable)	Test material (matrix)	Testing Technique	Instruction / Version
Gen-Panel "ITP - Myeloische Erkrankungen" (ASXL1, ASXL2, ATRX, BCOR, BCORL1, BRAF, CALR, CBL, CEBPA, CSF3R, CSNK1A1, CUX1, DDX41, DIS3, DNMT3A, ETNK1, ETV6, EZH2, FBXW7, FLT3, FLT3-ITD, GATA1, GATA2, GNB1, IDH1, IDH2, IL6R, JAK2, KIT, KRAS, MPL, MYD88, NF1, NOTCH1, NOTCH2, NPM1, NRAS, PDGFRA, PDGFRB, PHF6, PIGA, PPM1D, PRPF8, PTEN, PTPN11, RAD21, RUNX1, SETBP1, SF1, SF3A1, SF3B1, SH2B3, SMC1A, SMC3, SRSF2, STAG2, SUZ12, TET2, TP53, U2AF1, U2AF2, UBA1, WT1, ZEB2, ZRSR2)[2]	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue [11]	Next Generation Sequencing (sequencing-by-synthesis, sequence capture, Pisces, Pindel)	AA-M-154-18, AA-M-158-18

[1]Gewebeproben, bei denen keine morphologische Auswahl und Beurteilung zur DNA-Extraktion vor genetischer Analyse erforderlich ist

[2]Identifikation von Klonalitätsmarkern oder genetischer Veränderungen bei hämatologischen Neoplasien