



## 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
BAX <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	Next Generation Sequencing (Illumina)	AA-M-141-19
BCR <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	Fragment length analysis	AA-M-006-13
CUX1 <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	Next Generation Sequencing (Illumina)	AA-M-141-19
DNMT3A <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	digital PCR	AA-M-148-11
DPYD <sup>2</sup>	DNA from peripheral blood	Melting curve analysis	AA-M-176-03
FLT3 <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	digital PCR	AA-M-148-11
HFE <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	Next Generation Sequencing (Illumina)	AA-M-141-19
IDH1 <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	digital PCR	AA-M-148-11
IDH2 <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	digital PCR	AA-M-148-11



SF3B1 <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	digital PCR	AA-M-148-11
TP53 <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	digital PCR	AA-M-148-11
TPSAB1 <sup>3</sup>	DNA from peripheral blood	digital PCR CNV Analysis	AA-M-186-04
UBA1 <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	Next Generation Sequencing (Illumina)	AA-M-141-19
Gene-Panel "Lymphatic diseases" (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, IL7R, 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) <sup>2</sup>	DNA from bone marrow aspirate, peripheral blood, body fluids, tissue <sup>1</sup>	Next Generation Sequencing (sequencing-by-synthesis, sequence capture, Pises)	AA-M-154-19, AA-M-158-20



<p>Gene-Panel "Myeloid diseases" (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)<sup>2</sup></p>	<p>DNA from bone marrow aspirate, peripheral blood, body fluids, tissue<sup>1</sup></p>	<p>Next Generation Sequencing (sequencing-by-synthesis, sequence capture, Pisces, Pindel)</p>	<p>AA-M-154-19, AA-M-158-20</p>
<p>Gene-Panel "ITP - Myeloid diseases" (ASXL1, ASXL2, ATRX, BCOR, BCORL1, BRAF, CALR, CBL, CEBPA, CSF3R, CSNK1A1, CUX1, DIS3, DDX41, DNMT3A, ETNK1, ETV6, EZH2, FAT1, 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, RELN, RUNX1, SETBP1, SF1, SF3A1, SF3B1, SH2B3, SMC1A, SMC3, SRSF2, STAG2, SUZ12, TET2, TP53, U2AF1, U2AF2, UBA1, WT1, ZEB2, ZRSR2)<sup>2</sup></p>	<p>DNA from bone marrow aspirate, peripheral blood, body fluids, tissue<sup>1</sup></p>	<p>Next Generation Sequencing (sequencing-by-synthesis, sequence capture, Pisces, Pindel)</p>	<p>AA-M-154-19, AA-M-158-20</p>
<p>Expression analysis for group classification for B-ALL</p>	<p>RNA from bone marrow aspirate, peripheral blood</p>	<p>Next Generation Sequencing (sequencing-by-synthesis, RNA-Sequencing, Cufflinks)</p>	<p>AA-M-146</p>



<sup>1</sup>Tissue samples that do not require morphological selection and evaluation for DNA extraction prior to genetic analysis

<sup>2</sup>Identification of clonality markers or genetic alterations in hematologic neoplasms

<sup>3</sup>Detection of hereditary alterations