MVZ Städtisches Klinikum Dessau · Auenweg 38 · 06847 Dessau-Roßlau Tel.: 0340/501-1341 Fax: 0340/501-1029

Analyseauftrag für Molekulare Diagnostik - Hämatologie Teil 1 / 2

Patientendaten:

☐ stationär ☐ KV ☐ Privat ☐ ASV

Krankenkasse bzw. Kostenträger: _____

Name: _____

Geburtsdatum: _____

Diagnose:

Materialnummer:

Probentyp:

FFPE (Block, Schnitte)

EDTA-Blut (Peripher, Knochenmark)

Anderes (spezifizieren)

Myeloische Erkrankungen (MPN, MDS, AML etc.)

- ☐ **NGS-Panel Myeloid** (ABL1, ASXL1,CALR, CBL, CEBPA, CSF3R, DNMT3A, EZH2, FLT3, IDH1/2, JAK2/3, KIT, KRAS, MPL, NPM1, PTPN11, RUNX1, SETBP1, SF3B1, SRSF2, TET2, TP53, U2AF1)
- ☐ **NGS-Panel AML-Groß** (ASXL1, CEBPA, DNMT3A, FLT3, KIT, IDH1/2, NOTCH1, NPM1, RUNX1, SETBP1, SF3B1, SRSF2, TET2, TP53)
- ☐ **NGS-Panel AML-Klein** (CEBPA, FLT3, IDH1/2, NPM1)
- ☐ **MDS-Genpanel - IPSS-M (Groß)** (ASXL1, BCOR, CBL, EZH2, ETV6, DNMT3A, FLT3, IDH1, IDH2, KRAS, MLL/KMT2A, NPM1, NRAS, RUNX1, SF3B1, SRSF2, TP53, U2AF1)
- ☐ **MDS-Genpanel - IPSS-M (Klein)** (CBL, DNMT3A, ETV6, KRAS, NRAS)
- ☐ **Genfusionen** (**AMLplex**: AML1-ETO, BCR-ABL, CALM-AF10, CBFB- MYH11, DEK-CAN, MLL-AF6/AF9/ELL/PTD, NPM1-MLF1, PML-RARA) (nur am Blut)

Einzelgentests

AML - Akute myeloische Leukämie

- ☐ IDH1-Mutation (Hotspots) - Sequenz.
- ☐ RUNX1_RUNX1T1-Fusion [t(8;21)] - Realtime-PCR
- ☐ FLT3-Duplikation/Mutation - Fragmentanalyse/RFLP
- ☐ KMT2A/MLL-Translokation - FISH

MPN - Myeloproliferative Neoplasie

- ☐ JAK2-Mutation (V617F) - Sequenz./Droplet PCR
- ☐ JAK2-Mutation (Exon 12) - Sequenz.
- ☐ BCR-ABL t(9;22) -Translokation - FISH
- ☐ MPL-Mutation (W515L, W515K) - Sequenz./ Droplet-PCR
- ☐ Calreticulin-Mutation - Fragmentanalyse
- ☐ FGFR1-Translokation - FISH
- ☐ FIP1L1-PDGFRA-Translokation - FISH

MDS - Myelodysplastische Neoplasie

- ☐ 5q (EGR1)-Deletion - FISH
- ☐ PDGFRB-Translokation - FISH

MRD-Diagnostik

- ☐ BCR-ABL p210 -Translokation - Droplet PCR

MM - Multiples Myelom (Plasmozytom)

- ☐ BRAF (V600Mutation) - Sequenz.
- ☐ KRAS-/NRAS-Mutation (Exon 2, 3, 4) - Sequenz.
- ☐ 17p (TP53)-Deletion - FISH
- ☐ CCND1-IGH-Translokation - FISH
- ☐ CDKN2C-Deletion - FISH
- ☐ CKS1B-Gain - FISH
- ☐ FGFR3-IGH-Translokation - FISH
- ☐ MAF-IGH-Translokation - FISH
- ☐ MAFB-IGH-Translokation - FISH

HZL - Haarzell-Leukämie

- ☐ BRAF (V600-Mutation) - Sequenz.

Hämochromatose

- ☐ HFE-Mutation (C282Y, H63D, S65C) - Sequenz.

CLL - Chronische Lymphatische Leukämie

- ☐ **NGS-Panel CLL** (ATM, BCOR, BIRC3, BRAF, BTK, EGR2, FBXW7, KRAS, NRAS, MYD88, NOTCH1, PLCG2, POT1, SAMHD1, SF3B1, TP53, XPO1)

Einzelgentests

- ☐ TP53-Mutation - Sequenz.
- ☐ 17p (TP53) / 11q (ATM) - Deletion - FISH
- ☐ IGHV-Mutationsstatus - Sequenz./Lymphotrack
- ☐ 13q14-Deletion - FISH
- ☐ Trisomie 12 - FISH

Lymphomdiagnostik

- ☐ **NGS-Panel B-Zelle** (CARD11, CD79B, CREBBP, CXCR4, EZH2, GNA13, MYD88, PIM1, PRDM1, SOCS1, STAT6, TNFAIP3, TNFRSF14)
- ☐ **NGS-Genpanel TCL** (ABCC9, ARID1A, ATM, BCOR, CARD11, CD28, DNMT3A, FYN, IDH2, JAK1/3, KMT2D, MSC, NCOR, PLCG1, PTEN, RHOA, SETD1B, SETD2, STAT3/5B, TET2, TP53)
- ☐ **NGS-Genpanel CTCL** (ARID1A, BCOR, CARD11, CD28, DNMT3A, MSC, NCOR, PLCG1, RHOA, SETD2, STAT3/5b, TET2, TP53)
- ☐ **NK-Zell-Panel (NK-LGLL)** (ASXL1, ATM, CCL22, DNMT3A, STAT3/5b, TET2, TNFAIP3)

Einzelgentests

- ☐ STAT3/5b - Sequenz.
- ☐ B-Zell-Klonalität - Fragmentanalyse
- ☐ T-Zell-Klonalität - Fragmentanalyse
- ☐ κ/λ-Leichtketten - CISH

FL - Follik. Lymph. & DLBCL - Diff. großzell. B-Zell-Lymph.

- ☐ BCL2-IGH-Translokation - FISH
- ☐ BCL6 -Translokation - FISH
- ☐ MYC-IGH-Translokation - FISH
- ☐ MYC-Translokation - FISH

MALT-Lymphom

- ☐ BIRC3-MALT1-Translokation - FISH

MCL - Mantelzell-Lymphom

- ☐ CCND1-IGH-Translokation - FISH
- ☐ 17p (TP53)-Deletion - FISH

Mb. Waldenström (Lymphoplasmozyt. Lymphom)

- ☐ MYD88-Mutation - Droplet-PCR
- ☐ CXCR4-Mutation (Codon 338) - Droplet-PCR

Mastozytose

- ☐ **NGS-Panel Mastozytose** (ASXL1, CBL, EZH2, IDH1/2, JAK2, KIT, KRAS, NRAS, RUNX1, SF3B1, SRSF2, TET2)

Einzelgentests

- ☐ KIT-Mutation (D816V) - Droplet-PCR, RT-PCR
- ☐ KIT-Mutation (Ex. 8-11, 13, 17, 18) - Sequenz.

HES - Hypereosinophiles Syndrom

- ☐ FIP1L1-PDGFRA-Translokation - FISH
- ☐ PDGFRB-Translokation - FISH
- ☐ FGFR1-Translokation - FISH
- ☐ CBFB-Translokation - FISH

Tel. für Rücksprache: _____ Unterschrift: _____