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| **Physician information:** | **Patient:** |
|---|---|
| | |

# Request form for oncological laboratory diagnostics

**Diagnosis:**

☐ CML ☐ B-CLL ☐ B-ALL
☐ MPN ☐ B-NHL ☐ T-ALL
☐ MDS ☐ T-NHL
☐ AML ☐ MM/Plasmocytoma
☐ _____

**Level of therapy:**

☐ Initial diagnosis
☐ Control
☐ Recurrence
☐ after BMT, donor ☐ ♀ ☐ ♂
☐ _____

**Type of sample:**

☐ Peripheral blood
☐ Bone marrow
☐ _____

**Other clinical comments:**

| **Sampling date / time:** | **Signature:** |
|---|---|
| | |

**Please prepare the following documents and samples for shipment:**

- **Request form**
- **Sample labeled with patient name and date of birth:**
  - **Karyogram and FISH: at least 5ml heparin blood resp. 3ml heparin bone marrow**
  - **Molecular genetics: 3ml EDTA blood resp. 3ml EDTA bone marrow**
- **Declaration of consent signed by the patient according to the German Genetic Diagnostics Act (GenDG) (only required for analyses under the heading "Other tests")**

**Patient name:** **Date of birth:**

**KARYOGRAM**

☐ Microscopic chromosome analysis

**B-NHL/CLL**

☐ FISH: NHL panel

☐ FISH: CLL panel

☐ SNP: Specific mutation analysis – Lymphoma panel (incl. BRAF(600), MYD88(265), NRAS(12/13/59/61/117/146), SF3B1(666), MYC(74/164))

☐ MG: TP53

☐ MG: IGHV (clonality (lymphoma), Hypermutation status (CLL))

☐ MG: TP53, BIRC3, NOTCH1, SF3B1, (e.g. for therapy indication)

**Multiple Myeloma / Plasmocytoma**

☐ FISH: MM panel

☐ SNP: MM panel (incl. BRAF(600), NRAS(12/13/59/61/117/146), KRAS(12/13/59/61/117/146))

**Waldenstrom's disease**

☐ MG: CXCR4, MYD88

**Burkitt's lymphoma**

☐ FISH: BL panel

**DLBCL**

☐ FISH: DLBCL panel

**Follicular lymphoma**

☐ FISH: FL panel (incl. t(14;18))

☐ FISH / ☐ PCR: t(14;18) IGH/BCL2

**Mantle cell lymphoma**

☐ FISH: MCL panel (incl. t(11;14))

☐ FISH / ☐ PCR: t(11;14) CCND1/IGH

**Marginal zone lymphoma**

☐ FISH: MZL panel

**Hairy cell leukemia**

☐ FISH: HCL panel

**T-cell lymphoma**

☐ FISH: TCL panel

**ALL**

☐ PCR / ☐ FISH: t(9;22) bcr-abl1 (qualitative, diagnostic)

☐ PCR: t(1;19) PBX1/E2A

☐ PCR: t(4;11) AF4/MLL

**CML**

☐ FISH / ☐ PCR: t(9;22) bcr-abl1 (qualitative, diagnostic)

☐ PCR: t(9;22) bcr-abl1 (quantitative, therapy monitoring)

☐ MG: abl1 sequencing (TKI resistance resp. therapy failure)

**MPN**

☐ FISH: MPN panel

☐ FISH: Eosinophilia panel (MPN/MDS)

☐ SNP: Specific mutation analysis - MPN panel (incl. JAK2(V617F), CALR(364fs), MPL(505/510/515), IDH1(132), IDH2(140/172), EZH2(646/690), SRSF2(95), U2AF1(34))

☐ MG: JAK2 stage diagnostics (V617F and Exon12) if PV is suspected

☐ MG: MPN panel (ASXL1, RUNX1, TP53)

**MDS**

☐ FISH: MDS panel

☐ MG: MDS panel (TET2, ASXL1, TP53, RUNX1)

☐ SNP: Specific mutation analysis – MDS panel (incl. CSF3R(615/618), IDH1(132), IDH2(140/172), NPM1(288fs), SF3B1(666/700), SRSF2(95), DNMT3A(525/714/735/736/749/860/882/904)

☐ MG: Myeloic panel (ASXL1, CBL, CSF3R, DDX41, DNMT3A, EZH2, IDH1, IDH2, JAK2, NRAS, RUNX1, SF3B1, SRSF2, STAG2, TET2, TP53, U2AF1, ZRSR2)

**AML**

☐ FISH: AML panel

☐ SNP: Specific mutation analysis – AML panel (incl. NPM1(288fs), FLT3(690/835), IDH1(132), IDH2(140/172), cKIT(541/816))

☐ MG: ASXL1, RUNX1, CEBPA, TP53

☐ MG: FLT3 (TKD and ITD)

☐ FISH / ☐ PCR: t(8;21) RUNX1/RUNX1T1

☐ FISH / ☐ PCR: t(15;17) PML/RARA

☐ FISH / ☐ PCR: inv(16) MYH11/CBFB

**Other tests** (declaration of consent is required)

☐ 5-FU toxicity screening (according to DGHO position paper)

☐ Hemochromatosis

☐ ß-thalassemia

☐ Sickle cell anemia

☐ Meulengracht's disease

☐ Hereditary pancreatitis

**Request for individual or special analyses:**