



Institut für Immunologie und Genetik, Postfach 2565, 67613 Kaiserslautern | Pfaffplatz 10, 67655 Kaiserslautern

**Physician information:**

**Patient:**

**Diagnosis:**

- |                                |  |
|--------------------------------|--|
| <input type="checkbox"/> CML   | <input type="checkbox"/> B-NHL           |
| <input type="checkbox"/> MPN   | <input type="checkbox"/> T-NHL           |
| <input type="checkbox"/> MDS   | <input type="checkbox"/> B-ALL           |
| <input type="checkbox"/> AML   | <input type="checkbox"/> T-ALL           |
| <input type="checkbox"/> B-CLL | <input type="checkbox"/> Plasmocytoma/MM |
| <input type="checkbox"/> _____ |  |

**Level of therapy:**

- suspected diagnosis
- initial diagnosis
- remission control
- recurrence
- control after BMT/PBSCT
- control after chemotherapy

**Type of sample:**

- peripheral blood
- bone marrow

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**Request form for oncological laboratory diagnosis**

**CHROMOSOME ANALYSIS**

- microscopic banding analysis

**FISH / PCR**

**NHL**

- FISH: del 6q21/6q23, 11q23 KMT2A(MLL)-rearr., del 13q14.2/13q34, 14q32 IgH-rearr., del 17p13.1 (TP53)/17q11.2
- B-Cell Clonality                       T- Cell Clonality

**CLL**

- FISH: del 6q21/6q23, del 11q22.3 (ATM), +12 del 13q14.2/13q34, del 17p13.1 (TP53)

**Multiple Myeloma / Plasmocytoma**

- FISH: del/dup 1p32/1q21, +5, +7, 11q23 KMT2A(MLL)-rearr., del 13q14.2/13q34, 14q32 IgH-rearr., del 17p13.1 (TP53)/17q11.2, in case of pos. IgH-rearr. further FISH diagnosis

**Mantle Cell-Lymphoma / B-PLL**

- t(11;14) BCL1/IGH                       PCR                       FISH

**Follicular Lymphoma**

- FISH: 3q27 (BCL6-rearr.), del 6q21/6q23, t(14;18) IGH/BCL2
- PCR: t(14;18) IGH/BCL2

**DLBCL**

- FISH: 3q27 BCL6-rearr., 8q24 MYC-rearrangement, 11q23 KMT2A(MLL)-rearrangement, del 13q14.2/13q34, 14q32 IgH-rearrangement, del 17p13.1 (TP53)/17q11.2

- NHL / CLL**     PCR TP53 mutation analysis (exons 4-9)

**CML / ALL**

- t(9;22) BCR/ABL     PCR-qual.                       PCR-quant.                       FISH

**MPN / CMPL**

- FISH: del 7q22/7q36/-7, +8, t(9;22)/+9, del 17p13.1 (TP53)/17q11.2, del 20q12/20qter
- PCR:     JAK-2 (V617F)                       PRV-1                       Calreticulin  
           JAK-2 (exon12)                       MPL W515K/L

**MDS**

- FISH: del 5q31/-5, del 7q22/7q36/-7, +8, del 20q12/20qter

**ANLL / CMML**

- FISH: del 5q31/-5, del 7q22/7q36/-7, +8, 11q23 KMT2A(MLL)-rearrangement, del 20q12/20qter

**ALL / ANLL / CML**

- FISH: 12p13.2 ETV6-rearrangement

**ANLL**

- PCR FLT3                       PCR NPM1

**ANLL-**

- M2**    t(8;21) RUNX1/RUNX1T1                       PCR                       FISH
- M3/APL** t(15;17) PML/RARA                       PCR                       FISH
- M4<sub>EO</sub>** inv(16) MYH11/CBFB                       PCR                       FISH

**ALL / pre B-ALL**

- PCR t(1;19) PBX1/E2A

**B-ALL**

- PCR t(4;11) AF4/MLL

**HES**

- PCR:     FIP1L1-PDGFR $\alpha$
- FISH:     PDGFR $\alpha$                        PDGFR $\beta$                        FGFR1

**sys. Mastocytosis**

- PCR c-Kit

**Other clinical comments:**

Sampling date / time:

Signature:

**Type of sample:**    **Chromosome analysis/FISH:** at least 5ml heparinised blood or 3ml heparinised bone marrow  
**PCR application:**                      **3ml peripheral blood (EDTA) or 3ml bone marrow (EDTA)**