INSTITUTE OF IMMUNOLOGY AND GENETICS
HUMAN GENETICS I PATHOLOGY

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Physician information:

Patient:

Diagnosis:
- ❑ CML
- ❑ MPN
- ❑ MDS
- ❑ AML
- ❑ B-CLL
- ❑ B-NHL
- ❑ T-NHL
- ❑ B-ALL
- ❑ T-ALL
- ❑ Plasmocytoma/MM
- ❑ _____

Level of therapy:
- ❑ suspected diagnosis
- ❑ initial diagnosis
- ❑ remission control
- ❑ recurrence
- ❑ control after BMT/PBSCT
- ❑ control after chemotherapy

Type of sample:
- ❑ peripheral blood
- ❑ bone marrow
- ❑ _____

Request form for oncological laboratory diagnosis

CHROMOSOME ANALYSIS

❑ microscopic banding analysis

FISH / PCR

NHL

❑ FISH: del 6q21/6q23, 11q23 KMT2A-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, +9, +15, 11q23 KMT2A-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-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) ❑ JAK-2 (exon12) ❑ Calreticulin ❑ MPL W515K/L ❑ PRV-1 (only from peripheral blood!)

MDS / ANLL

❑ FISH: inv(3)/t(3;3), del 5q31/-5, del 7q22/7q36/-7, +8, 11q23 KMT2A-rearr., del 17p13.1 (TP53)/17q11.2, del 20q12/20qter

CMML

❑ FISH: del 5q31/-5, del 7q22/7q36/-7, +8, 11q23 KMT2A-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
$M4_{EO}$	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-PDGFRα
FISH: ❑ PDGFRα ❑ PDGFRß ❑ FGFR1

syst. 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)**