



Physician information:

Patient:

Diagnosis:

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

Level of therapy:

initial diagnosis
 control
 recurrence

Type of sample:

peripheral blood
 bone marrow

Request form for oncological laboratory diagnosis

KARYOGRAM

microscopic banding analysis

KARYOGRAM / FISH / MOLECULAR GENETICS (MG)

- NHL/CLL** Karyo/FISH-panel NHL
 Karyo/FISH-panel CLL
 MG-1: TP53, IgVH
 MG-2: NOTCH1, SF3B1, BIRC3 (with therapy indication)
- MM / Plasmocytoma** Karyo/FISH-panel MM
- M. Waldenström** MG: MYD88, CXCR4
- Mantle Cell-Lymphoma / B-PLL**
 Karyo/FISH/MG: t(11;14) BCL1/IGH
- Follicular Lymphoma**
 Karyo/FISH-panel FL
 MG: t(14;18) IGH/BCL2
- DLBCL** Karyo/FISH-panel DLBCL
- HCL** MG: BRAF V600E
- CML (ALL)** Karyo/FISH/MG: t(9;22) BCR/ABL
 t(9;22) BCR/ABL quantitative
 MG-1: abl1 mutations (TKI resistance)
 MG-2: TP53
- aCML** MG: SETBP1, ETNK1
- MPN / CNL** MG: CSF3R

- MPN / CMPL** Karyo/FISH-panel MPN
 MG-1: JAK2 (V617F, Exon12), CALR, MPL (W515K/L)
 MG-2: ASXL1, EZH2, TET2, IDH1, IDH2, SRSF2, SF3B1, TP53
- MDS** Karyo/FISH-panel MDS
 MG-1: DNMT3A, TET2, ASXL1, TP53
 MG-2: EZH2, SF3B1, SRSF2, U2AF1
- MDS Ring sideroblasts**
 MG: SF3B1
- CMML** Karyo/FISH-panel CMML
 MG: TET2, SRSF2, ASXL1, SETB1, DNMT3A, TP53
- AML** Karyo/FISH-panel AML
 MG-1: FLT3, NPM1, CEBPA, TP53, DNMT3A
 MG-2: ASXL1, TET2, IDH1, IDH2
- AML-M2** FISH/MG: t(8;21) RUNX1/RUNX1T1
- M3/APL** FISH/MG: t(15;17) PML/RARA
- M4_{EO}** FISH/MG: inv(16) MYH11/CBFB
- ALL / AML / CML** FISH: 12p13.2 ETV6-rearrangement
- ALL / pre-B-ALL** Karyo/MG: t(1;19) PBX1/E2A
- B-ALL** Karyo/MG: t(4;11) AF4/MLL
- HES** MG: FIP1L1-PDGFR α
 FISH: FIP1L1-PDGFR α , PDGFR β , FCGR1
- syst. Mastocytosis** MG: c-KIT

Other clinical comments / Single request:

Sampling date / time:

Signature:

Type of sample: **Karyogram and FISH:** **at least 5ml heparinised blood or 3ml heparinised bone marrow**
Molecular genetics: **3ml peripheral blood (EDTA) or 3ml bone marrow (EDTA)**