

Chronic Myelomonocytic Leukemia (CMML)

Analysis	Quantity/Material	Pre-analytics/Notes	Frequency Test duration	Method
Tumor Cytogenetics	at least 3 ml heparinised bone marrow or 5 ml heparinised blood	For bone marrow use sterile heparin transport medium (available on request). Alternative: bone marrow in heparin monovette	daily Mo.-Fr. 12-14 days	unstimulated and stimulated cultures; chromosome analysis (GTG bands)
Molecular Cytogenetics <u>CMML panel:</u> del 5q31 / -5 del 7q22 / 7q36 / -7 +8 11q23.3 KMT2A rearrangement del 20q12 / 20qter	at least 3 ml heparinised bone marrow or 5 ml heparinised blood	When performed with conventional chromosome analysis, no separate material is required.	daily Mo.-Fr. 5-7 days, 12-14 days with chromosome analysis	Fluorescence in situ hybridization (FISH)
Molecular Genetics ASXL1 ⁺ RUNX1 ⁺ TET2 ⁺ TP53 ⁺	3 ml blood (EDTA) or 3 ml bone marrow (EDTA)		2x / week as needed	Sequencing
Immunophenotyping leukemia panel	5 ml blood (EDTA) or 3 ml bone marrow (EDTA)	Limited stability of the sample. Storage at room temperature. Sample should be in the laboratory within 24 hours. Submission: Monday to Thursday	daily Mo.-Fr.	Flow cytometry

Request forms for the analyses are available in the download area of our homepage.