

Hypereosinophilic Syndrome (HES)

Analysis	Quantity/Material	Pre-analytics/Notes	Frequency Test duration	Method
Fluorescence in situ hybridization (FISH) 4q12 FIP1L1-PDGFR α rearrangement 5q32 PDGFR β rearrangement 8p11.2 FGFR1 rearrangement if applicable, 9p24 JAK2 rearrangement	5 ml heparinised bone marrow or 7.5 ml heparinised blood	For bone marrow use sterile heparin transport medium (available on request). Alternative: bone marrow in heparin monovette	daily Mo.-Fr. 5-7 days	FISH
Molecular genetics FIP1L1-PDGFR α fusion	5 ml blood (EDTA) or 3 ml bone marrow (EDTA)		2x / week as needed	PCR, gel electrophoresis
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.