

Fluorescence in-situ Hybridization (FISH)

PDGFRB Gene Rearrangement

Specimen :

Clinical Indication :

Result :

Interpretation :

Interphase nuclei analyzed	Normal nuclei 2 yellow signals	Abnormal nuclei 1 yellow 1 orange 1 green signals
200		

Note: Cut off for the normal individual is 3%.

PHOTO

Method: FISH analysis performed on 200 Interphase nuclei.

Probe : Spec 5q32-33 dual colour breakapart probe.

Comments: Myeloid neoplasms with PDGFRB usually present as chronic myelomonocytic leukemia, but may also present as atypical chronic myeloid leukemia (aCML), Chronic Eosinophilic Leukemia, Myeloproliferative neoplasm with eosinophilia, AML and juvenile myelomonocytic leukemia (JMML). Rearrangement is usually cryptic in routine cytogenetics.