

Fluorescence in-situ Hybridization (FISH)

PDGFRA 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 4q12 dual colour breakapart probe.

Comments: FIP1L1-PDGFRA rearrangement is generally found in Chronic Eosinophilic Leukemia (CEL), but the presentation can be as AML, T-lymphoblastic lymphoma, or both simultaneously. Rearrangement is usually cryptic by routine cytogenetics.