

Fluorescence in-situ Hybridization (FISH)

Inv (16) / LSI CBFB

Specimen :

Clinical Indication :

Result :

Interpretation :

Interphase nuclei analyzed	Normal nuclei 2 Yellow signals	Abnormal nuclei 1 Orange 1 Green 1 yellow signals
200		

Cut off for the normal individual is 3%.

PHOTO

Method: FISH analysis performed on 200 Interphase nuclei.

Probe : LSI CBFB Dual color, Break Apart Rearrangement probe.

Comments: Acute Myeloid Leukemia (AML) is one of the commonest adult Leukemias. It also comprises 15% of paediatric Acute Leukemias. Several subtypes of AML have been recognized namely M0-M7 based on the malignant myeloid cell lineage involved. Several recurrent chromosomal anomalies have been linked to specific subtypes of AML. These recurrent anomalies like inv(16) have been identified in 60% of cases. Presence of inv(16) in a case of AML shows intermediate prognosis. This test not only helps in identifying known chromosomal anomaly in Myeloid malignancy but also helps in monitoring response to therapy.