

Fluorescence in-situ Hybridization (FISH)

LSI MLL gene breakapart

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 MLL Dual color, Break Apart Rearrangement probe.

Comments: .11q23 chromosomal abnormalities and rearrangement of the mixed lineage leukemia (MLL) gene are important prognostic factors in Acute Myelogenous Leukemia (AML) and Myelodysplastic Syndrome (MDS). Rearrangements involving 11q23 (MLL) are also seen in T-ALL, a neoplastic disorder of lymphoblasts comprising 15-20% of Acute Leukemias and their presence is associated with a poor prognosis.