Fluorescence in-situ Hybridization (FISH)

EosinophilicLeukemia Panel

Specimen :

Clinical Indication :

Result :

Interpretation :

Probe: Spec 4q12 dual colour breakapart probe

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

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

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

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 **PHOTO**

Probe: Spec FGFR1 dual colour breakapart probe.

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%.

Probe:LSI CBFB dual colour breakapart probe.

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%.

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Method: FISH analysis performed on 200 Interphase nuclei for each probe.

Comments: The eosinophilia FISH panel is used to aid in the diagnosis of myeloid and lymphoid neoplasms with eosinophilia and prediction of therapeutic response. The clinical and morphologic features of these diseases can overlap, but each mutation has a characteristic presentation. This panel includes: PDGFRA (4q12), PDGFRB (5q33), FGFR1 (8p12) and CBFB (inv 16).