

**Fluorescence in-situ Hybridization (FISH)
IGH Gene Break Apart Rearrangement Assay**

Specimen :

Clinical Indication :

Result :

Interpretation :

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

Cut off for the normal individual is 3%

PHOTO

Method: FISH analysis performed on 200 Interphase nuclei.

Probe : LSI IGH (14q32) Dual color, Break Apart Probe.

Comments: Translocation having breakpoints within the IGH locus occur frequently in B-cell malignancies and involve a wide variety of translocation partners. This test can be useful for recurrent chromosomal aberrations associated with the tumorigenesis of subtypes of B-cell lymphomas involving the immunoglobulin heavy-chain (*IGH*) gene at 14q32. Several translocations represent the primary event producing the initial disease state.