

## Fluorescence in-situ Hybridization (FISH)

### PML / RARA t(15;17) Translocation Assay

**Specimen** :

**Clinical Indication** :

**Result** :

:

**Interpretation** :

Interphase nuclei analyzed	Normal nuclei	Abnormal nuclei
	2 Orange 2 Green signals	1 Orange 1 Green 2 Yellow signals
200	00	00

Cut off for the normal individual is 3%

## PHOTO

**Method** FISH analysis performed on 200 Interphase nuclei.

**Probe** LSI PML (15q22) Orange/LSI RARA (17q21.1) Green, DC-DF DNA probe.

**Comments:** Vast majority of cases of Acute Promyelocytic Leukemia (APL) have a translocation t(15;17)(q22;q12-21) which fuses the Promyelocytic gene (PML) on chromosome band 15q22 to the Retinoic acid receptor alpha (RARA) gene at 17q12-21. This PML / RARA fusion is associ