Fluorescence in-situ Hybridization (FISH)

1p & 19q co-deletion

Specimen :

Block No. :

Clinical Indication :

Result :

Deletion 1p36	
Total cells counted	50
Total 1p (2 Orange) signals counted	
Total 1q (2 Green) signals counted	
Ratio (1p/1q)	

Reference Ratio is: < 0.8

Deletion 19q13	
Total cells counted	50
Total 19q (2 Orange) signals counted	
Total 19p (2 Green) signals counted	
Ratio (19p/19q)	

Reference Ratio is: < 0.8

PHOTO

PHOTO

Method: FISH analysis performed on Interphase nuclei.

Probe: LSI 1p36 S.Orange, LSI 1q25 S.Green / LSI 19q13 S.Orange, LSI19p13 S.Green probe.

Comments: This test is used as an aid in diagnosing Oligodendroglioma tumors and predicting the response to therapy. It is especially useful in tumors with a complex "hybrid" morphology requiring differentiation from pure Astrocytomas to support the presence of oligodendroglial differentiation/lineage. The test is strongly recommended in mixed Oligoastrocytomas. It is also indicated when a diagnosis of Oligodendroglioma, both low-grade World Health Organization (WHO, grade II) and anaplastic (WHO, grade III) is rendered.