A section was cut from the block ..BX..... and hybridized by Fluorescence in situ Hybridization (FISH). Probe set one includes the Vysis loci-specific identifier (LSI) 1p36 probe that hybridizes to the 1p target on chromosome 1, producing an orange signal while LSI 1q25 serves as a reference probe for 1q, producing a green signal. Likewise, probe set two includes LSI 19q13 that hybridizes to the 19q target on chromosome 19, producing an orange signal, and a 19p reference probe LSI 19p13 that produces a green signal.

After FISH, multiple areas on the section were examined. Enumeration of the 1p, 1q, 19p and 19q signals was conducted.

Results:

- Ratio of 1p to 1q: .....

- Percent of cells with 1q to 1p ratio >= 2.0: .....

- Ratio of 19q to 19p: .....

- Percent of cells with 19p to 19q ratio >= 2.0: ......

Reference range:

- No deletion: Ratio of test probe to reference probe > 0.9

- Deletion: Ratio of test probe to reference probe <=0.9 AND >=20% of cells showing reference: target ratio of at least 2:1.

DIAGNOSIS:

Brain, tumor, FISH analysis for 1p/19q co-deletion

- Positive / Negative for 1p/19q co-deletion