

Patient ID <b>SA00096732</b>	Patient Name <b>TESTINGRNV, SAMPLEREPORT-GLIOF</b>	Birth Date <b>1981-03-18</b>	Gender <b>M</b>	Age <b>36</b>
Order Number <b>SA00096732</b>	Client Order Number <b>SA00096732</b>	Ordering Physician <b>CLIENT, CLIENT</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>30 Aug 2017 08:01</b>		

## 1p/19q Deletion, Glioma, FISH, Ts

### Result Summary

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**Abnormal**

### Interpretation

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The results are abnormal and consistent with a co-deletion of 1p and 19q. Similar results have been observed in glioma specimens, especially oligodendrogliomas (Jenkins et al., Am J Clin Oncol 24:506–8, 2001).

A chromosomal microarray (test CMAPT) may be of benefit to further characterize this co-deletion as whole 1p and 19q arm loss vs. a smaller deletion of these regions. In addition, CMAPT can also evaluate for additional acquired alterations associated with the molecular classification of glioma (Eckel-Passow et al., NEJM 372:2499–2508, 2015). For more information regarding this test, please call 800–533–1710.

### Result

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nuc ish(TP73x1,ABL2x2),(D19S221x2,EHD2x1)

The probes for 1p/1q and 19q/19p were enumerated in 100 nuclei. The 1p to 1q ratio was 0.50. The 19q to 19p ratio was 0.50. A normal ratio is approximately 1.0. Any ratio <0.80 is consistent with deletion of the region of interest.

### Reason For Referral

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r/o 1p/19q deletion

### Specimen

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Tissue, Paraffin

### Source

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Brain

### Tissue ID

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17-123456789

### Method

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Locus and probes	[Strategy;#Nuclei;Class]
1p36(TP73), 1q25(ABL2)	[COPY#;100;ASR]
19p13(D19S221), 19q13(EHD2)	[COPY#;100;ASR]

Probe strategy: COPY#=region gain and loss.

### Disclaimer

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Analyte Specific Reagent (ASR). This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. It has not been cleared or approved by the U.S. Food and Drug Administration and is to be used as an adjunct to existing clinical and pathologic information. This FISH assay does not rule out other chromosome abnormalities.

### Released By

MCR

Robert Jenkins, M.D.,Ph.D

**Received:** 30 Aug 2017 09:29

**Reported:** 30 Aug 2017 10:56

### Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292