

Patient Name SAMPLEREP,EGFR A	Patient ID SA00058916	Age 47 Y	Gender F	Order # SA00058916
Ordering Phys CLIENT,CLIENT				DOB 06/10/1966
Client Order # SA00058916	Account Information			Report Notes
Collected 06/09/1966 23:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 06/12/2013 09:47				

Test	Flag	Results	Unit	Reference Value	Perform Site*
EGFR Gene, Mutation Analysis, Tumor					
RECEIVED: 06/11/2013 13:13 REPORTED: 06/11/2013 17:07					
Specimen		Tissue-Tumor			MCR
Specimen ID		1062171			MCR
Order Date		11 Jun 2013 13:13			MCR
Reason for Referral		Evaluate tumor DNA for presence of a mutation in exons 18-21 of the EGFR gene.			MCR
Method		Microscopic examination was performed by a pathologist to identify areas of tumor for enrichment by macrodissection. A PCR based assay employing allele specific amplification was used to test for the presence of 29 mutations within exons 18-21 of the EGFR gene (G719A, G719S, G719C in exon 18; small deletions in exon 19; T790M, S768I, and small insertions in exon 20; and L858R and L861Q in exon 21). Mutation nomenclature is based on GenBank accession number; NM005228.3.			MCR
Result		Tumor type: Lung Adenocarcinoma EGFR status: Mutant: A mutation was detected at codon Gly719			MCR
Interpretation		Current data suggests that patients with non-small cell lung cancer with mutations in the tyrosine kinase domain (exons 18-21) of EGFR may respond to EGFR tyrosine kinase inhibitor therapies. Therefore, the detection of an EGFR mutation within this tumor specimen suggests that this patient may respond to such therapies.			MCR
		The predictive value of EGFR testing applies to EGFR tyrosine kinase inhibitor therapies, not to other therapeutic agents. Additionally, please note that not all patients that have mutant EGFR tumors respond to EGFR tyrosine kinase inhibitor therapies.			
		It is estimated that this panel detects greater than 95% of pathogenic mutations (exons 18-21) associated with response/resistance to EGFR-targeted therapies.			
		Consideration of these results, in light of other clinical information, may aid in clinical management decisions for this patient.			

Performing Site Legend on Last Page of Report

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CAUTIONS:
 Rare polymorphisms exist that could lead to false negative or false positive results. Test results should be interpreted in context of clinical findings, tumor sampling, and other laboratory data. If results obtained do not match other clinical or laboratory findings, please contact the laboratory for possible interpretation. Misinterpretation of results may occur if the information provided is inaccurate or incomplete.

Laboratory developed test.
 Reviewed By: Benjamin Robert Kipp
 Release Date: 11 Jun 2013 17:05

MCR
 MCR

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:
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