MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
TESTINGRNV,FROS1	SA00057136	67	M	SA00057136
Ordering Phys CLIENT,CLIENT				**DOB** 06/15/1945
Client Order # SA00057136	**Account Information**			**Report Notes**
Collected 05/06/2013 08:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 06/11/2013 14:35				

Test	Flag	Results	Unit	Reference Value	Perform Site*
Lung Cancer, ROS1 (6q22), FISH, Ts					
RECEIVED: **REPORTED:** 05/09/2013 08:13					
Specimen		Tissue-Paraffin			MCR
Specimen ID		1061707			MCR
Order Date		06 May 2013 10:35			MCR
Reason For Referral					MCR
r/o 6q22 ROS1 gene rearrangement					
Method					MCR
FISH for rearrangement of the ROS1 gene locus using probes for the 3' and 5' regions of the ROS1 gene at 6q22 in 100 nuclei.					
Result					MCR
nuc ish(ROS1x2)(3'ROS1 sep 5'ROS1x1)[100/100] 100% of 100 nuclei had a separation of the 3'ROS1 and 5'ROS1 signals. The normal cutoff is <9.0% for one 3'ROS1, one 5'ROS1 and one 3'ROS1/5'ROS1 signal.					
Interpretation					MCR
The result is abnormal and indicates 100% of nuclei had a rearrangement of the ROS1 locus. Rearrangement of the ROS1 gene at 6q22 has been observed in a subset of lung adenocarcinomas. Lung adenocarcinomas with ROS1 rearrangements may be sensitive to directed ALK inhibitors. Clinical and pathologic correlation is recommended. Bergethon et al., J of Clinical Oncol 8:863-870, 2012.					
DISCLAIMER: Applicable to Analyte Specific Reagent (ASR) and Laboratory Developed Tests (LDT). This test was developed and its performance characteristics determined by Mayo Clinic. It has not been cleared or approved by the U.S. Food and Drug Administration. This FISH test does not rule out other chromosome abnormalities.					
Reviewed by		Christina M Radtke			MCR
Released date		09 May 2013 08:11			MCR

* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director: Franklin R. Cockerill, III, M.D.

Patient Name	Collection Date and Time	Report Status
TESTINGRNV,FROS1	05/06/2013 08:00	Final
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* Report times for Mayo performed tests are CST/CDT