MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
TESTINGRNV,FEWS	SA00055933	11	M	SA00055933
Ordering Phys CLIENT,CLIENT				**DOB** 10/10/2001
Client Order # SA00055933	**Account Information**			**Report Notes**
Collected 03/15/2013 06:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 03/25/2013 14:09				

Test	Flag	Results	Unit	Reference Value	Perform Site*
EWSR1, 22q12, FISH			REPORTED 03/15/2013 13:19		
Specimen		Tissue-Paraffin			MCR
Specimen ID		1061073			MCR
Order Date		15 Mar 2013 12:41			MCR
Reason For Referral					MCR
r/o 22q12 EWS gene rearrangement					
Method					MCR
Locus and probes		[Strategy;#nuclei;Class]			
22q12(5'EWSR1,3'EWSR1)		[BAP;200;ASR]			
Probe strategies include: BAP=break-apart probe.					
Results					MCR
nuc ish(EWSR1x2)(5'EWSR1 sep 3'EWSR1x1)[200/200] Of 200 nuclei, 100% had a separation of the 5'EWSR1 and 3'EWSR1 signals. The normal cutoff is <7% for one 5'EWSR1, one 3'EWSR1 and one 5'EWSR1/3'EWSR1 fusion signal.					
Interpretation					MCR
The result is abnormal and indicates a rearrangement involving the EWSR1 gene region. Rearrangement of the EWSR1 gene at 22q12 has been observed in various sarcomas including Ewing sarcoma (EWS)/primitive neuroectodermal tumors (PNET), desmoplastic small round cell tumor, clear cell sarcoma, myxoid chondrosarcoma, and myxoid liposarcoma. Clinical and pathologic correlation is recommended. Romeo and Dei Tos, Virchows Arch 456:219-234, 2010.					
DISCLAIMER: Analyte Specific Reagent (ASR). 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 test is intended to be used as an adjunct to existing clinical and pathologic information currently used for the differential diagnosis of Ewing sarcoma. This test does not rule out other chromosome abnormalities.					
Consultant		Christina M Radtke			MCR
Report Date		15 Mar 2013 13:17			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,FEWS	03/15/2013 06:00	Final
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* Report times for Mayo performed tests are CST/CDT