MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
TESTINGRNV,FMNB	SA00050979	61	M	SA00050979
Ordering Phys				**DOB** 10/10/1951
Client Order # SA00050979	**Account Information**			**Report Notes**
Collected 11/19/2012 08:00	C7028846-DLMP ROCHESTER 3050 SUPERIOR DRIVE ROCHESTER,MN 55901			
Printed 12/11/2012 08:56				

Test	Flag	Results	Unit	Reference Value	Perform Site*
MYCN, 2p24, FISH, B/BM			REPORTED 11/19/2012 10:57		
Specimen		Bone Marrow			MCR
Specimen ID		1059585			MCR
Order Date		19 Nov 2012 10:49			MCR
Reason For Referral		neuroblastoma			MCR
Method					MCR

FISH analysis of 60 nuclei for MYCN amplification with Analyte Specific Reagent (ASR) probes for MYCN at 2p24.1 and chromosome 2 centromere (D2Z1) on 60 nuclei.

Result — MCR

nuc ish(ampMYCN,D2Z1x2)[200]
The MYCN and D2Z1 signals were enumerated in 200 nuclei.
The MYCN to D2Z1 ratio was 11.2. A MYCN to D2Z1 ratio greater than 4.0 usually indicates MYCN oncogene amplification.

Interpretation — MCR

The result is abnormal. Metastatic tumor nuclei are identified in this bone marrow specimen which demonstrate MYCN gene amplification. Most nuclei have 3 copies of the chromosome 2 centromere and 8 copies of the MYCN gene. MYCN oncogene amplification is an unfavorable prognostic marker and is associated with aggressive behavior in neuroblastoma.

DISCLAIMER: This test was developed and its performance characteristics determined by Laboratory Medicine and Pathology, Mayo Clinic Rochester. It has not been cleared or approved by the U.S. Food and Drug Administration. This test does not rule out other chromosome abnormalities.

Consultant		Christina M Radtke			MCR
Released Date		19 Nov 2012 10:56			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,FMNB	11/19/2012 08:00	Final
Page 1 of 1		** End of Report **

* Report times for Mayo performed tests are CST/CDT