

1-800-533-1710

PATIENT NAME			PATIENT NU	MBER		AGE	SEX	ACCESSION #
TESTING, FNMYC			L3MRNG91	64238		12M	М	G9164238
ORDERING PHYSICIAN			CLIENT ORD	ER#				ACCOUNT # LIAISONS
COLLECTION 02/07/11 11:53 A	RECEIVED 02/07/11 1	1·52 A	REPORT PRI 03/22/11	NTED 07:36 A	SPECIMEN INFORMA			
DATE TIME	DATE	TIME	DATE	TIME	DATE OF BIRTH. 1	/13/2010	,	
Test Client								
Attn: Mayo Liaisons								
200 First Street SW								
Rochester, MN 55905								
507-284-8202								

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TEST REQUESTED LO REF RANGE PERFORM SITE *

MYCN, 2p24, FISH REPORTED: 03/21/11 03:44 P

SpecimenTissue-SlidesMCRSpecimen ID1053378MCRSourceMCR

Left facial DS10 4895 CB

Order Date 07 Feb 2011 11:57 MCR
Reason for Referral neuroblastoma MCR
Method MCR

FISH for MYCN amplification with probes for MYCN at 2p24.1 and chromosome 2 centromere (D2Z1).

Result MCR

nuc ish (D2Z1x1-2, ampMYCN)

The MYCN and D2Z1 signals were enumerated in 60 nuclei from the tumor. The MYCN to D2Z1 ratio was 12.4. A MYCN to D2Z1 ratio greater than 4.0 usually indicates MYCN oncogene amplification.

Interpretation MCR

The result is abnormal. The tumor nuclei demonstrated MYCN gene amplification. Most nuclei have 1-2 copies of the chromosome 2 centromere and 21+ copies of the MYCN gene. MYCN oncogene amplification is an unfavorable prognostic marker and is associated with aggressive behavior in neuroblastoma.

This FISH assay should not be used for diagnostic purposes since MYCN oncogene amplification has been reported in a variety of other tumor types including medulloblastoma, astrocytoma, retinoblastoma and small cell lung cancer. Schwab. Cancer Lett 204:179-187, 2004.

DISCLAIMER: This test was developed and its performance characteristics determined by Laboratory Medicine and Pathology, Mayo Clinic Rochester. It has not been cleared

* Perform Site Legend on last page of report

PATIENT NAME	ORDER STATUS	COLLECTION DATE AND TIME				
TESTING, FNMYC	Final	02/07/11 11:53 A				



1-800-533-1710

PATIENT NAME TESTING, FNMYC		PATIENT NU L3MRNG91			AGE 12M	SEX M	ACCESSION # G9164238
ORDERING PHYSICIAN		CLIENT ORD			12101] IVI	ACCOUNT # LIAISONS
COLLECTION 02/07/11 11:53 A DATE TIME Test Client Attn: Mayo Liaisons 200 First Street SW Rochester, MN 55905 507-284-8202	RECEIVED 02/07/11 1 DATE	REPORT PR 03/22/11 DATE	INTED 07:36 A TIME	SPECIMEN INFORMA DATE OF BIRTH: 1)	<u> </u>

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or approved by the U.S. Food and Drug Administration. This test does not rule out other chromosome abnormalities.

Consultant Heather Lynn Owen MCR
Released Date 21 Mar 2011 15:42 MCR

* PERFORMING SITE

MCR Mayo Clinic Dpt of Lab Med & Pathology
200 First Street SW Rochester, MN 55905

Lab Director: Franklin R. Cockerill, III, M.D.

PATIENT NAME	ORDER STATUS	COLLECTION DATE AND TIME
TESTING, FNMYC	Final	02/07/11 11:53 A