

Patient ID SA00150275	Patient Name TESTINGRNV, COGBL-ABNORMAL	Birth Date 2013-10-15	Gender F	Age 8
Order Number SA00150275	Client Order Number SA00150275	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 23 Jan 2022 12:13		

COG-Chromosomes, Hematologic, Blood

Result Summary

MCR

Abnormal

Interpretation

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The result is abnormal. Of 20 metaphases, 14 were normal and 6 were hyperdiploid, including trisomies 4, 10 and 17, and tetrasomy 21. B-ALL panel FISH studies confirmed a hyperdiploid clone (reported separately).

Hyperdiploidy is associated with a favorable prognosis in B-lymphoblastic leukemia/lymphoma (B-ALL) (Iacobucci et al., J Clin Oncol 35:975–983, 2017; Roberts et al., Nat Rev Clin Onc 12:344–357, 2015).

For monitoring response to therapy, FISH for chromosomes 4, 10, 17 and 21 is available, test BALMF (ALL (B-cell), Specified FISH).

Result

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56,XX,+X,+4,+6,+10,+14,+14,+16,+17,+21,+21[6]/46,XX[14]

Reason for Referral

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B-ALL, COG APEC14B1, #123456

Specimen

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Blood

Method

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Culture without mitogens

Banding Method

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Band Resolution: 400-549

Stain Name	Cells Analyzed	Cells Counted	Karyograms Prepared
GTL	20	0	2
TOTAL	20	0	2

Key to Stain Name: GTL=G-banding; QFQ=Q-banding; DAPI=DAPI-staining; CBL=C-banding; AGNOR=Silver-staining; NON=Non-banded

The sum of Cells Analyzed and Cells Counted equals the total cells examined.

Released By

MCR

Patricia T. Greipp, D.O.

Received: 24 Jan 2022 12:15

Reported: 04 Feb 2022 08:32

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292