

Patient ID SA00150248	Patient Name TESTINGRNV, CHRBM-ABNORMAL	Birth Date 1987-12-15	Gender F	Age 34
Order Number SA00150248	Client Order Number SA00150248	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 23 Jan 2022 08:20		

Chromosomes, Hematologic, BM

Result Summary

MCR

Abnormal

Interpretation

MCR

The result is abnormal. Of 20 metaphases, 5 were normal and 15 had a t(3;21)(q26.2;q22).

The 3;21 translocation is typically therapy related and has been associated with therapy related myeloid malignancies, particularly MDS and AML, and has an unfavorable prognosis (Dohner et al., Blood, 129(4):424-447, 2017; Swerdlow et al., WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues. IARC Press:Lyon, 2017; NCCN Guidelines Version 1.2018, AML).

For monitoring response to therapy, FISH for MECOM/RUNX1 fusion is available, test AMLMF (AML, Specified FISH).

Result

MCR

46,XX,t(3;21)(q26.2;q22)[15]/46,XX[5]

Reason for Referral

MCR

acute myeloid leukemia/AML

Specimen

MCR

Bone Marrow

Source

MCR

Left posterior iliac crest

Method

MCR

Culture without mitogens

Banding Method

MCR

Band Resolution: 400
-549

Stain Name	Cells Analyzed	Cells Counted	Karyograms Prepared
GTL	20	0	3
TOTAL	20	0	3

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.

Additional Information

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Previous Studies

DATE	SPECIMEN	RESULT
07/13/2014	Marrow	No clonal abnormality was apparent

Released By

MCR

Patricia T. Greipp, D.O.

Received: 24 Jan 2022 08:23

Reported: 04 Feb 2022 08:11

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