

Patient ID SA00150258	Patient Name TESTINGRNV, CHRCB-ABNORMAL	Birth Date 1992-04-25	Gender M	Age 29
Order Number SA00150258	Client Order Number SA00150258	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 23 Jan 2022 09:09		

Chromosomes, Congenital, Blood

Result Summary

MCR

Abnormal

Interpretation

MCR

The result is abnormal. Each metaphase had an apparently balanced 2;4 translocation. The same rearrangement was observed in this patient's child. Approximately 1 in 175 phenotypically normal individuals carries a balanced rearrangement. Translocation carriers have an increased reproductive risk, including miscarriage and pregnancies with abnormal clinical outcomes due to unbalanced versions of the rearrangement. Some male translocation carriers have reduced fertility (Gardner and Sutherland, Chromosome Abnormalities and Genetic Counseling, 5th ed., New York: Oxford University Press, pp 69–112, 2018). Chromosome studies of first-degree relatives may be of interest to determine if they also carry this translocation. A genetic consultation is recommended.

Result

MCR

46,XY,t(2;4)(p25.1;p15.2)

Reason for Referral

MCR

familial chromosome anomaly

Specimen

MCR

Blood

Method

MCR

72 hour culture w/mitogens

Banding Method

MCR

Band Resolution: 550
-849

Stain Name	Cells Analyzed	Cells Counted	Karyograms Prepared
GTL	5	15	2
TOTAL	5	15	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 09:13

Reported: 04 Feb 2022 08:18

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