

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB** 8/1/2005  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Chromosome Analysis, Rule Out Mosaicism**

ARUP test code 2002287

Chromosome Analysis, Rule Out Mosaicism      See Note      (Ref Interval: Normal)

H=High, L=Low, \*=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 20-247-124136  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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4848

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Specimen received

Specimen type: Peripheral Blood (Mosaic Study)  
Reason for referral: Short stature  
Test performed: Chromosome Analysis

Laboratory analysis

Number of cells counted: 50  
Number of cells analyzed: 6  
Number of cells karyotyped: 6  
ISCN Band level: 550  
Banding Method: G-Banding

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Chromosome Results: 46,XX  
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Diagnostic Impression:

Metaphase cells analyzed revealed a normal female chromosome complement. The standard cytogenetic methodology used in this analysis may not detect small rearrangements or low level mosaicism, and cannot detect submicroscopic deletions or duplications that are detectable by microarray analysis.

A total of 50 metaphase cells were evaluated. This should exclude mosaicism of greater than 9 percent with 99 percent confidence in this tissue (Hook et al., Am J Hum Genet 1977, 29:94-97).

If mosaicism is still of concern, consider testing an alternative tissue sample as levels of mosaicism may vary across different tissues.

NOTE: Further analysis of this patient by genomic microarray may prove informative. Genomic microarray analysis is recommended as a first-tier test for the detection of genomic imbalances causing autism spectrum disorders, intellectual disability / developmental delay, and multiple congenital anomalies. Information regarding this test may be found at <http://www.aruplab.com/guides/ug/tests/2003414.jsp>. For additional information or questions, please contact an ARUP genetic counselor at (800)242-2787 x2141.

This result has been reviewed and approved by [REDACTED]

A portion of this analysis was performed at the following location(s):

[REDACTED]

INTERPRETIVE INFORMATION: Chromosome Analysis,  
Rule Out Mosaicism  
Test developed and characteristics determined by ARUP  
Laboratories. See Compliance Statement C: aruplab.com/CS

EER Chromosome Analysis, R/O Mosaicism

See Note

H=High, L=Low, \*=Abnormal, C=Critical

Access ARUP Enhanced Report using either link below:

-Direct access: [REDACTED]

-Enter Username, Password: [REDACTED]

Username: [REDACTED]  
Password: [REDACTED]

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Chromosome Analysis, Rule Out Mosaicism	20-247-124136	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EER Chromosome Analysis, R/O Mosaicism	20-247-124136	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, \*=Abnormal, C=Critical

Unless otherwise indicated, testing performed at: