

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 12/31/1752  
**Gender:** Unknown  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 01/01/2017 12:34

**Chromosome Analysis, Skin Biopsy**

ARUP test code 2002286

Chromosome Analysis, Skin Biopsy

See Note (Ref Interval: Normal)

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Specimen received

Specimen type: Skin  
Reason for referral: Confirm trisomy 18 vs. mosaic trisomy 18  
Test performed: Chromosome Analysis

Laboratory analysis

Number of cells counted: 20  
Number of cells analyzed: 11  
Number of cells karyotyped: 11  
ISCN Band level: 400  
Banding Method: G-Banding

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Chromosome results: 47,XX,+18[2]/46,XX[18]  
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Diagnostic Impression:

Two cell lines were detected in multiple cultures of skin (biopsy) from this patient. One cell line showed a gain of chromosome 18 (trisomy 18) in 2/20 (10%) cells.

The remaining 18/20 (90%) cells showed a normal female chromosome complement.

This result is consistent with mosaicism for a trisomy 18 cell line. The clinical phenotype associated with mosaicism for trisomy 18 is variable, the severity of which is thought to be associated with the level of mosaicism in various tissues. Clinical correlation is recommended.

Recommendation:  
Genetic counseling

This result has been reviewed and approved by [REDACTED], Ph.D., FACMG

INTERPRETIVE INFORMATION: Chromosome Analysis, Skin Biopsy

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement C: aruplab.com/CS

**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: 20-134-103616  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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EER Chromosome Analysis, Skin

See Note

Access ARUP Enhanced Report using the link below:

-Direct access:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Chromosome Analysis, Skin Biopsy	20-134-103616	5/13/2020 9:55:00 AM	5/14/2020 2:16:40 PM	5/14/2020 2:38:00 PM
EER Chromosome Analysis, Skin	20-134-103616	5/13/2020 9:55:00 AM	5/14/2020 2:16:40 PM	5/14/2020 2:38:00 PM

END OF CHART

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

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