

Patient: [REDACTED]  
DOB: [REDACTED] Age: [REDACTED] Gender: [REDACTED]  
Patient Identifiers: [REDACTED]  
Visit Number (FIN): [REDACTED]

Client: [REDACTED]  
Physician: [REDACTED]

ARUP Test Code: 2007131  
Collection Date: 10/31/2016  
Received in lab: 11/01/2016  
Completion Date: 11/09/2016

## Interpretation

Specimen received

Specimen type: Peripheral Blood  
Reason for referral: B-ALL  
Test performed: Chromosome Analysis

Laboratory analysis

Number of cells counted: 5  
Number of cells analyzed: 5  
Number of cells karyotyped: 3  
ISCN Band level: 375  
Banding Method: G-Banding

Chromosome results: 46,XY,t(9;22)(q34;q11.2)[2]/46,XY[3]  
\*Suboptimal Mitotic Index

### Diagnostic Impression:

Two cell lines were detected in multiple cultures from this patient. One cell line showed a male chromosome complement with the Philadelphia (Ph) translocation between chromosomes 9 and 22 in 2/5 (40%) cells. The remaining 3/5 (60%) cells showed a normal male chromosome complement.

This result is consistent with a diagnosis of a Ph-positive leukemia.

Only 5 metaphase cells were available for analysis. This poor mitotic yield may have prohibited the detection of additional clonal abnormalities.

Since this analysis revealed an abnormal result, the cytogenomic microarray analysis, which was ordered as a reflex study, will not be performed unless we are notified otherwise. Please contact ARUP Client Services at 1-800-242-2787 if you want to pursue the microarray analysis.

This result has been reviewed and approved by [REDACTED], MD, FACMG  
Electronic Signature

NOTE: Only the **Chromosome Analysis, Leukemic Blood** results are reported on this enhanced report. When the result



Patient: [REDACTED]  
ARUP Accession: 16-305-400931

# Chromosome Analysis, Leukemic Blood with Reflex to Genomic Microarray

Patient: [REDACTED] | Date of Birth: [REDACTED] | Gender: M | Physician: [REDACTED]  
Patient Identifiers: [REDACTED] | Visit Number (FIN): [REDACTED]

of Cytogenetics Result is either "no growth" or "normal," **Cytogenomic SNP Microarray - Oncology** is performed. If the cytogenomic microarray is performed, those results can be accessed via a patient report or electronic medical records system after the genomic microarray has been completed.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement C: [aruplab.com/CS](http://aruplab.com/CS)



Patient: [REDACTED]  
ARUP Accession: 16-305-400931

# Chromosome Analysis, Leukemic Blood with Reflex to Genomic Microarray

Patient: [redacted] | Date of Birth: [redacted] | Gender: M | Physician: [redacted]  
Patient Identifiers: [redacted] | Visit Number (FIN): [redacted]

Slide ID: 0012



# Chromosome Analysis, Leukemic Blood with Reflex to Genomic Microarray

Patient: [redacted] | Date of Birth: [redacted] | Gender: M | Physician: [redacted]  
Patient Identifiers: [redacted] | Visit Number (FIN): [redacted]

Slide ID: 0043

