

Patient: [REDACTED]  
DOB: [REDACTED] Age: 9 Gender: F  
Patient Identifiers: [REDACTED]  
Visit Number (FIN): [REDACTED]

Client: [REDACTED]  
Physician: [REDACTED]

ARUP Test Code: 2002719  
Collection Date: 12/12/2018  
Received in Lab: 12/13/2018  
Completion Date: 12/15/2018

## Interpretation

Specimen Received  
Specimen Type: Bone Marrow  
Reason for Referral: Pre B-ALL End of Induction  
Test Performed: FISH P ALL

### NORMAL FISH RESULTS

4cen (CEP4): gain not detected  
t(9;22)(q34;q11.2) (ABL1;BCR): translocation not detected  
10cen (CEP10): gain not detected  
11q23 (KMT2A; also known as MLL): rearrangement / deletion not detected  
t(12;21)(p13;q22) (ETV6;RUNX1): translocation not detected  
12p13 (ETV6): deletion not detected  
21q22 (RUNX1): amplification not detected

### DIAGNOSTIC IMPRESSION:

Fluorescence in situ hybridization (FISH) analysis was performed with chromosome 4 and 10 centromere probes, BCR/ABL1/ASS1 Tricolor, ETV6/RUNX1 (also known as TEL/AML1), and KMT2A (MLL) probes (Abbott Molecular). 200 interphase cells were scored for each probe combination.

This analysis showed normal results with no evidence of trisomy 4, trisomy 10, t(9;22)(q34;q11.2) (BCR-ABL1 translocation), 11q23 deletion or rearrangement involving the KMT2A (MLL) locus, t(12;21)(p13;q22) (ETV6-RUNX1 translocation) or 12p13 deletion involving the ETV6 locus, or 21q22 amplification involving the RUNX1 locus.

ISCN:  
nuc ish(CEP4,ABL1,CEP10,KMT2A,ETV6,RUNX1,BCR)x2[200]

This result has been reviewed and approved by Erica F. Andersen, Ph.D., FACMG

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



Patient: [REDACTED]  
ARUP Accession: 18-346-118269  
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