Acute Lymphocytic Leukemia (ALL) Panel by FISH, Pediatric

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 [redacted], Ph.D., FACMG

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