

500 Chipeta Way, Salt Lake City, Utah 84108-1221

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Tracy I. George, MD, Chief Medical Officer

Patient Age/Sex: 5 years Female

Specimen Collected: 10-Dec-21 10:55**DNA Analysis - Ploidy and S-Phase | Received: 10-Dec-21 10:55 Report/Verified: 10-Dec-21 10:58**

Procedure	Result	Units	Reference Interval
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Source: Whole blood

DNA Analysis -Ploidy and S-Phase Aneuploid ^{f1}

DNA Analysis S-Phase Percent 3.5 %

DNA Analysis -Index. 1.30 ⁱ¹

EER DNA,Ploidy and S-Phase See Note

Result Footnote

f1: DNA Analysis - Ploidy and S-Phase

In 750 patients with acute lymphoblastic leukemia (ALL), 36-40 percent of children and 18-38 percent of adults were aneuploid. Aneuploid ALL (DNA Index >1.16) in pediatric patients correlates with longer remission and disease-free survival, likely explained by increased sensitivity to antimetabolites. S-phase was not prognostic for treatment response or duration in ALL. [Blood 1995, 85:751-6; Cytometry, 1993, 14:492-496; Leuk Lymphoma, 1998, 31:507-19].

These results have been reviewed and approved by Leo Lin MD, PhD.

Test Information

i1: DNA Analysis - Index.

INTERPRETIVE DATA: DNA Analysis - Ploidy and S-Phase

The diagnostic and prognostic importance of tumor DNA content depends on the tumor type and source of tissue. Interpretive information, if available for the tumor type, is included with the DNA histogram.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H-High, i-Test Information, L-Low, t-Interpretive Text, @=Performing lab

Unless otherwise indicated, testing performed at:**ARUP Laboratories**

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Tracy I. George, MD

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