



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003826 F 12/05/1988 34 Y

Referral Testing

Collected: 10/03/2023 10:36 Received: 10/03/2023 10:36

| Test Name | Result | Flag | Ref-Ranges | Units | Site |
|---------------------|-----------|------|------------|-------|------|
| Cytogenetics | | | | | |
| FISH | SEE BELOW | | | | QARL |

SPECIMEN TYPE: Left Inguinal Lymph Node (Paraffin Block)
CLINICAL HISTORY: DLBCL

CYTOGENETICS LAB NUMBER:
PREVIOUS CASE: None Known

TESTS ORDERED
High Grade Lymphoma Profile [Interphase FISH]

INTERPRETATION

OVERALL INTERPRETATION
Partial High Grade Lymphoma Profile [Interphase FISH]

Abnormal Result - Gain of MYC/8q24; Negative for MYC rearrangement and MYC/IGH rearrangement.

Fluorescence in situ hybridization (FISH) analysis was performed with Vysis probes specific for break-apart rearrangement probes for MYC in chromosome 8 and for a MYC/IGH rearrangement with the pericentromeric region of chromosome 8.

Two hundred nuclei were examined for each probe or combination, and although all cells were negative for a MYC rearrangement and a MYC/IGH rearrangement, thirty-seven nuclei (18.5%) exhibited a signal pattern consistent with a gain of the entire 5'/3' segments from the break-apart MYC probes located in the long arm of chromosome 8, while thirty-three other cells (16.5%) displayed a pattern with an additional MYC signal from the MYC/IGH probes which are concordant with the break-apart MYC probes.

The results for the remaining probes are interpreted as negative.

Gains of MYC are observed in B-cell neoplasms, including diffuse large B-cell lymphoma. These findings, therefore, support a diagnosis of DLBCL, non-germinal center type.

Recent reports indicate that an extra copy of MYC/8q is associated with a less favorable prognosis in patients with DLBCL.

Clinicopathologic correlation is recommended.

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

F403000025
WX0000003826
Printed D&T: 10/03/23 10:39

Ordered By: KAJAL SITWALA, MD, PhD
WX00000000002353

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
PAGE 1 OF 3



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COMMENT

The FISH probes utilized in this analysis are specific for the detection parameters as indicated above. These FISH probes do not detect other chromosomal abnormalities that may be present. Correlate with other clinical and hematologic findings for significance.

This FISH test was developed and its analytical performance characteristics have been determined by AmeriPath Northeast. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

SIGNATURE

Director, Cytogenetics:
Electronic Signature:

RESULTS

ISCN RESULTS

nuc ish
8q24 (MYCx3) [37/200], 8cen (D8Z2x2), 8q24 (MYCx3), 14q32 (IGHx2) [33/200]

CELLS EXAMINED: 400

REFERENCES

REFERENCES:

Quesada A. E. et al. (2017) Increased MYC copy number is an independent prognostic factor in patients with diffuse large B-cell lymphoma. Modern Pathology 00:1-10.

FISH IMAGES

Partial High Grade Lymphoma Profile

Microscopic image is a symbolic representation of the key findings of your specific report. The image is not intended to replace a complete review and reading of the final diagnostic report.

CPT CODES

88275x2, 88271x5

The CPT codes provided are for information purposes only, and are based on AMA guidelines without regard to specific payor requirements.

END OF REPORT

FINAL REPORT-ACC FINAL

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AmeriPath Northeast, 1 Greenwich Place, Shelton, CT 06484. P(866)436-9632.
F(203)929-2344. Medical Director: Kamraan Z. Gill, M.D. CLIA
07D1035411, CT CL-0645

Specify probe(s) or profile(s) from AmeriPath N/A QARL

Reported Date: 2023.10.03 10:37 FISH

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