

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 9/30/1960
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

IGH-MYC Fusion t(8;14) by FISH

ARUP test code 3001299

IGH-MYC FISH Result

Negative

This result has been reviewed and approved by Kristin Hunt Karner, M.D. Controls stained appropriately.

INTERPRETIVE INFORMATION: IGH-MYC, FISH

IGH-MYC fluorescence in situ hybridization (FISH) analysis is designed to detect the IGH-MYC fusion associated with t(8;14)(q24;q32). Differentially labelled fluorescent probes directed against IGH, MYC, and the centromere of chromosome 8 were used (Abbott Molecular).

Fused signals within a cell are considered abnormal signal patterns and are consistent with IGH-MYC fusion. If a sample contains single fused signals in 24 percent or more of the cells, or two or more fused signals in 11 percent or more of the cells evaluated, it is considered a positive result. Based on the assay performance during test validation, the test is expected to detect 100 percent of IGH-MYC rearrangements in patients with IGH-MYC-rearranged lymphomas, except for rare instances of cryptic rearrangements. Assay range and limit of detection were generated using normal and known positive cases respectively.

IGH-MYC fusion is seen in a variety of B-cell lymphomas including diffuse large B-cell lymphomas (DLBCL), Burkitt lymphoma, and "double hit" or "triple hit" lymphomas. Results should be correlated with clinical, morphologic, and immunophenotypic data.

Fluorescence in situ hybridization (FISH) analysis was performed on a section from a paraffin-embedded tissue block. The area(s) for analysis were selected by histopathologic review of a matching hematoxylin- and eosin-stained section.

Controls performed appropriately.

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

IGH-MYC FISH Reference Number 1234

IGH-MYC FISH Source Lymph Node

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 20-210-153877
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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4848

Total Cell Count 100

Scoring Method
Computer Assisted

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
IGH-MYC FISH Result	20-210-153877	7/28/2020 2:45:00 PM	8/17/2020 2:52:37 PM	8/17/2020 4:48:00 PM
IGH-MYC FISH Reference Number	20-210-153877	7/28/2020 2:45:00 PM	8/17/2020 2:52:37 PM	8/17/2020 4:48:00 PM
IGH-MYC FISH Source	20-210-153877	7/28/2020 2:45:00 PM	8/17/2020 2:52:37 PM	8/17/2020 4:48:00 PM
Total Cell Count	20-210-153877	7/28/2020 2:45:00 PM	8/17/2020 2:52:37 PM	8/17/2020 4:48:00 PM
Scoring Method	20-210-153877	7/28/2020 2:45:00 PM	8/17/2020 2:52:37 PM	8/17/2020 4:48:00 PM

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

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