

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 2/18/1949  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

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

ARUP test code 3001299

IGH-MYC FISH Result

Positive

Controls were run and performed as expected.  
This result has been reviewed and approved by [REDACTED]

Total Cell Count

158

Scoring Method

Computer Assisted

IGH-MYC FISH Reference Number

SGS23-16872 A1

IGH-MYC FISH Source

Not Provided

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

**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 (Agilent Technologies).

Fused signals within a cell are considered abnormal signal patterns and are consistent with IGH-MYC fusion. If a sample contains fused signals in 21 percent or more of the cells 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.

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.

**VERIFIED/REPORTED DATES**

Procedure	Accession	Collected	Received	Verified/Reported
IGH-MYC FISH Result	23-318-400523	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Cell Count	23-318-400523	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Scoring Method	23-318-400523	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
IGH-MYC FISH Reference Number	23-318-400523	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
IGH-MYC FISH Source	23-318-400523	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

**END OF CHART**

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

*Unless otherwise indicated, testing performed at:*