

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

Physician: Doctor, Example

**Patient: Patient, Example**

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

**MYC (8q24) Gene Rearrangement by FISH**

ARUP test code 3001300

MYC FISH Result	Negative  Controls were run and performed as expected. This result has been reviewed and approved by [REDACTED] M.D.
Total Cell Count	100
Scoring Method	Computer Assisted
MYC FISH Reference Number	ABC-1234
MYC FISH Source	Specimen

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

**INTERPRETIVE INFORMATION: MYC Rearrangement, FISH**

MYC fluorescence in situ hybridization (FISH) analysis is designed to detect 8q24 (MYC) translocations regardless of rearrangement partners. Differentially labeled probes targeting the upstream (5') and downstream (3') flanking regions of the MYC gene were used (Agilent Technologies).

When 12 percent or more of the cells evaluated show a classic (typical) abnormal signal pattern, it is considered a positive result. Based on the assay performance during test validation, the test is expected to detect 100 percent of MYC rearrangements in patients with 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.

MYC rearrangement 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.

The use of this assay on decalcified tissues has not been validated. Results should be interpreted with caution.

Controls performed appropriately.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. 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
MYC FISH Result	22-346-112776	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Cell Count	22-346-112776	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Scoring Method	22-346-112776	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
MYC FISH Reference Number	22-346-112776	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
MYC FISH Source	22-346-112776	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: