

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** Unknown  
**Gender:** Male  
**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**

**Positive**

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

**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 (Abbott Molecular).

When 10 percent or more of the cells evaluated show a classic (typical) abnormal signal pattern, it is considered a positive result. If this signal pattern is less than 10 percent, then a combination of other rearranged signal patterns with the classic abnormal pattern may be considered positive if equal to or greater than 20 percent. 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.

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

**MYC FISH Reference Number**

123456

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

Unless otherwise indicated, testing performed at:

MYC FISH Source LN

Total Cell Count 100

Scoring Method  
Computer Assisted

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
MYC FISH Result	20-365-112110	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
MYC FISH Reference Number	20-365-112110	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
MYC FISH Source	20-365-112110	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Cell Count	20-365-112110	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Scoring Method	20-365-112110	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