

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 12/31/2010  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**IGH-CCND1 Fusion, t(11;14) by FISH**

ARUP test code 3001306

**CCND1 FISH Result**

**Positive**

Controls were run and performed as expected.  
This result has been reviewed and approved by Anton Rets, M.D.

**INTERPRETIVE INFORMATION: IGH-CCND1, FISH**

IGH-CCND1 fluorescent in situ hybridization (FISH) analysis is designed to detect the IGH-CCND1 fusion associated with t(11;14)(q13;q32). Differentially labelled fluorescent probes directed against IGH and CCND1 were used (Abbott Molecular).

Fused signals within a cell are considered abnormal signal patterns and are consistent with IGH-CCND1 fusion. If a sample contains single fused signals seen in 17 percent or more of the cells, or two or more fused signals in 6 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 95 percent of IGH-CCND1 rearrangements in patients with IGH-CCND1-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-CCND1 fusion is primarily found in mantle cell lymphoma, but this fusion is also found in other B-cell lymphoproliferative disorders including plasma cell neoplasms. 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

CCND1 FISH Reference Number

SP1234

CCND1 FISH Source

Lymph Node

Total Cell Count

150

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

Scoring Method

Computer Assisted

VERIFIED/REPORTED DATES

| Procedure                   | Accession     | Collected        | Received         | Verified/Reported |
|-----------------------------|---------------|------------------|------------------|-------------------|
| CCND1 FISH Result           | 20-150-144187 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| CCND1 FISH Reference Number | 20-150-144187 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| CCND1 FISH Source           | 20-150-144187 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| Total Cell Count            | 20-150-144187 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| Scoring Method              | 20-150-144187 | 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