

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 12/31/2004  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**IRF4/DUSP22 (6p25) Gene Rearrangement by FISH**

ARUP test code 3001568

IRF4 FISH Reference Number 1234

IRF4 FISH Source Lymph Node

IRF4 FISH Result Negative

Controls were run and performed as expected.  
This result has been reviewed and approved by Timothy Hanley,  
M.D., PhD.

**METHODOLOGY AND TEST INFORMATION:**

IRF4/DUSP22 fluorescent in situ hybridization (FISH) analysis is designed to detect 6p25 (IRF4/DUSP22) translocations regardless of rearrangement partners. Differentially labelled probes targeting the upstream (5') and downstream (3') flanking regions of the IRF4/DUSP22 gene were used (Kreatech).

A result of 12 percent or more of the cells evaluated showing an abnormal signal pattern is considered positive. Some signal patterns other than the classic abnormal pattern may also be present and may be considered abnormal.

IRF4/DUSP22 rearrangements can be found in both B-cell and T-cell non-Hodgkin 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 B: aruplab.com/CS.

Total Cell Count 100

Scoring Method Manual

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

VERIFIED/REPORTED DATES

| Procedure                  | Accession     | Collected        | Received         | Verified/Reported |
|----------------------------|---------------|------------------|------------------|-------------------|
| IRF4 FISH Reference Number | 19-126-151704 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| IRF4 FISH Source           | 19-126-151704 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| IRF4 FISH Result           | 19-126-151704 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| Total Cell Count           | 19-126-151704 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| Scoring Method             | 19-126-151704 | 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