

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 7/25/1956  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**FGFR1 Gene Amplification by FISH**

ARUP test code 3004075

FGFR1/CEP8 FISH Ratio 9.0

Average FGFR1 Signal Number per Cell 20.0

Average CEP8 Signal Number per Cell 2.23

**FGFR1 FISH Result**

**Amplified**

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

**INTERPRETIVE INFORMATION: FGFR1 Gene Amplification by FISH**

Fluorescence in situ hybridization (FISH) analysis for FGFR1 gene amplification was performed on a section from a paraffin embedded tissue block using differentially labeled fluorescent probes targeting the FGFR1 gene and the chromosome 8 centromere (CEP 8) (ZytoVision). Cells were evaluated from regions of tumor identified on histopathologic review of a matching hematoxylin and eosin stained section. Controls performed appropriately.

Based on the preclinical validation of this assay, FGFR1 gene amplification is defined as either a FGFR1/CEP8 ratio of 2.0 or greater, or an average FGFR1 signal number per cell of 6.0 or greater. FGFR1 gene amplification is observed in a variety of tumor types. FGFR1 amplification status may be useful as a prognostic marker or to predict tumor response to targeted therapy.

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.

FGFR1 CELLCOUNT 40

Scoring Method Manual

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

FGFR1 FISH Reference Number

Tissue B

FGFR1 FISH Source

DEF 456

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
FGFR1/CEP8 FISH Ratio	23-207-101004	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Average FGFR1 Signal Number per Cell	23-207-101004	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Average CEP8 Signal Number per Cell	23-207-101004	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
FGFR1 FISH Result	23-207-101004	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
FGFR1 CELLCOUNT	23-207-101004	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Scoring Method	23-207-101004	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
FGFR1 FISH Reference Number	23-207-101004	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
FGFR1 FISH Source	23-207-101004	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:

ARUP LABORATORIES | 800-522-2787 | aruplab.com  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 23-207-101004  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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