

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

Physician: Doctor, Example

**Patient: Patient, Example**

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

**EGFR T790M Mutation Detection in Circulating Tumor DNA by Digital Droplet PCR**

ARUP test code 2012868

EGFR T790M Result

**Detected \***

This result has been reviewed and approved by Parisa Khalili, M.D.

A T790M mutation was detected in the EGFR gene. The mutant allele frequency is 7.93 percent.

**BACKGROUND INFORMATION:** EGFR T790M Mutation Detection in Circulating Cell-Free DNA by Digital Droplet PCR

Determining EGFR mutation status is useful in identifying patient eligibility for tyrosine kinase inhibitor (TKI) therapy. Clinical resistance to initial generation TKI's and subsequent response to newer generation TKI's have been associated with the T790M mutation.

**Methodology:** Circulating DNA is extracted and amplified. Mutation status and quantitation for EGFR T790M is determined by digital droplet PCR.

**Limitations:** Mutations in other locations within the EGFR gene or in other genes will not be detected.

**Limit of Detection:** Based upon amplifiable DNA, the limit of detection ranges from 0.5% to less than 0.02% mutant alleles.

**Clinical Disclaimer:** Results of this test must always be interpreted within the clinical context and other relevant data, and should not be used alone for the diagnosis of malignancy.

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

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

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
EGFR T790M Result	20-225-402052	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  
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 20-225-402052  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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