

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

Physician: Doctor, Example

Patient: Patient, Example

DOB

Sex:

Patient Identifiers: 01234567890ABCD, 012345

Visit Number (FIN): 01234567890ABCD

Collection Date: 01/01/2017 12:34

BRAF Codon 600 Mutation Detection with Reflex to MLH1 Promoter Methylation

ARUP test code 0051750

BRAF codon 600 Mutation Detection

Positive *

A mutation in BRAF codon 600 was detected: c.1799T>A, p.V600E
This result has been reviewed and approved by [REDACTED]

INTERPRETIVE INFORMATION: BRAF codon 600 Mutation Detection with Reflex to MLH1 Promoter Methylation

Presence of a BRAF c.1799T>A, p.Val600Glu (V600E) mutation in a microsatellite unstable colorectal carcinoma indicates that the tumor is probably sporadic and not associated with Lynch syndrome (HNPCC). However, if a BRAF mutation is not detected, the tumor may either be sporadic or Lynch syndrome associated. It should be noted that there have been rare reports of BRAF mutations in Lynch syndrome associated tumors, so the presence of a BRAF mutation does not completely exclude the possibility of Lynch syndrome.

Methodology:

DNA is isolated from microdissected tumor tissue and amplified for exon 15 of the BRAF gene. Mutation status is determined by pyrosequencing.

Limitations: Mutations in other locations within the BRAF gene or in other genes will not be detected.
Limit of detection: 10 percent 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 a diagnosis of malignancy. This test is not intended to detect minimal residual disease.

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.

Block ID

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
BRAF codon 600 Mutation Detection	21-320-401476	11/6/2021 1:12:00 PM	11/17/2021 4:34:20 AM	11/19/2021 5:17:00 PM

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: 21-320-401476
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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Block ID	21-320-401476	11/6/2021 1:12:00 PM	11/17/2021 4:34:20 AM	11/17/2021 6:07:00 AM
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END OF CHART

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

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
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