

Test Description

BRAF mutation test is an in vitro diagnostic test for the qualitative detection of mutations in codons 600 of BRAF oncogene.

Patient Demographic

Name: Naresh Malhotra
Sex: Male
Date of Birth/Age: 61 Years
Disease: Colorectal liver metastasis

Clinician

Clinician Name: Dr Bhuvan Chugh
Medical Facility: Medanta Hospital
Pathologist: Not Provided

Specimen

Site: Gall Bladder
Sample Type: FFPE block B 11630/19
Date of Collection: 05-03-2020
Date of Booking: 05-03-2020

BRAF Mutation Analysis

Result

No Mutation Detected in BRAF

GENOMIC FINDINGS

No mutation detected

INTERPRETATION

No Mutation detected in BRAF codons V600E/E2/D and V600K/R/M

METHODOLOGY

The BRAF Mutation Test, performed on the Biocartis Idylla™ system, is an *in vitro* diagnostic test for the qualitative detection of V600E/E2/D and V600K/R/M mutations in codon 600 of the BRAF oncogene. Formalin-fixed paraffin-embedded (FFPE) human cancer tissue is lysed liberate DNA for subsequent real-time PCR amplification using allele specific primers designed to specifically amplify either the BRAF Wild Type, V600E, V600E2, V600D, V600K, V600R and V600M mutations, each combined with an endogenous control gene that serves as a Sample Processing Control (SPC).

The analytic sensitivity of this assay has been determined at 1% mutant in wildtype background

REFERENCES

1. Allegra et al. J Clin Oncol (2016) 34:179-85
2. Boleij et al. BMC Cancer (2016) 16:825.



March 07, 2020

Dr Gulshan Yadav, MD, Consultant Pathology

Date