

### 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:** Praveen Rohatgi  
**Sex:** Male  
**Date of Birth/Age:** 60 Years  
**Disease:** Metastatic Well Differentiated Adenocarcinoma rectum

### Clinician

**Clinician Name:** Dr Amit Verma  
**Medical Facility:** Max Hospital  
**Pathologist:** Not Provided

### Specimen

**Site:** Rectal biopsy  
**Sample Type:** FFPE block TB 8189  
**Date of Collection:** 16-03-2020  
**Date of Booking:** 17-03-2020

## 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 18, 2020

Dr Gulshan Yadav, MD, Consultant Pathology

Date