

Patient ID <b>321</b>	Patient Name <b>TESTRNV, IMPLEMENTATION</b>	Birth Date <b>1968-02-19</b>	Sex <b>M</b>	Age <b>55</b>
Order Number <b>X100412653</b>	Client Order Number <b>X100412653</b>	Ordering Physician <b>Test,Atlas</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>29 Mar 2023 06:33</b>		

## B-Catenin Mutations Analysis, Tumor

<p><b>Result</b> <span style="float: right;">MCR</span></p> <p><b>Provided diagnosis:</b> breast adenocarcinoma</p> <p>No reportable sequence variants were detected within the analyzed regions of the tested genes listed in the method description.</p> <p><b>Interpretation</b> <span style="float: right;">MCR</span></p> <p>This result does not provide evidence for a diagnosis of desmoid-type fibromatosis or beta-catenin activated hepatocellular adenoma or hepatocellular carcinoma, in which CTNNB1 mutations are common.</p> <p><b>Additional Information</b> <span style="float: right;">MCR</span></p> <p><b>CLINICAL TRIALS</b></p> <p>Possible clinical trials of benefit for this patient can be found at the following sites:</p> <p>1) ClinicalTrials.gov: <a href="http://www.clinicaltrials.gov/ct2/search/advanced">www.clinicaltrials.gov/ct2/search/advanced</a></p> <p>2) Mayo Clinic: <a href="http://www.mayo.edu/research/clinical-trials/">www.mayo.edu/research/clinical-trials/</a></p> <p>3) National Cancer Institute: <a href="http://www.cancer.gov/clinicaltrials/search">www.cancer.gov/clinicaltrials/search</a></p> <p><b>Specimen</b> <span style="float: right;">MCR</span></p> <p>Tissue, Tumor</p> <p><b>Tissue ID</b> <span style="float: right;">MCR</span></p> <p>1234</p>	<p><b>Method</b> <span style="float: right;">MCR</span></p> <p>Microscopic examination is performed by a pathologist to identify areas of tumor for enrichment by macrodissection. DNA is extracted from FFPE or cytology slides, and next generation sequencing is performed to evaluate the presence of a mutation in all coding regions and exon/intron boundaries of the BCAT (CTNNB1) gene.</p> <p>Variant nomenclature is based on build GRCh37 (hg19). For details about gene transcripts (RefSeq accession numbers), specific targeted regions of each gene, and additional information on this test, see <a href="http://www.mayocliniclabs.com">www.mayocliniclabs.com</a> (Test ID CTNBT).</p> <p><b>Disclaimer</b> <span style="float: right;">1 MCR</span></p> <p>This test cannot differentiate between somatic and germline alterations. Additional testing may be necessary to clarify the significance of results if there is a potential hereditary risk.</p> <p>DNA variants of uncertain significance may be identified.</p> <p>A negative result does not rule out the presence of a variant that may be present but below the limits of detection of this assay. The analytical sensitivity of this assay for sequence reportable alterations is 5% mutant allele frequency with a minimum coverage of 500X in a sample with =20% tumor content.</p> <p>Point mutations and small insertion/deletion mutations will be detected in the BCAT (CTNNB1) gene only. This test may detect single exon deletions but does not detect multi-exon deletions, duplications or genomic copy number variants.</p> <p>Rare polymorphisms may be present that could lead to false-negative or false-positive results.</p> <p>The presence or absence of a variant may not be predictive of response to therapy in all patients.</p> <p>Test results should be interpreted in the context of clinical, tumor sampling, histopathological, and other laboratory data. If results obtained do not match other clinical or laboratory findings,</p>
--	--

### Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292



Patient ID <b>321</b>	Patient Name <b>TESTRNV, IMPLEMENTATION</b>	Birth Date <b>1968-02-19</b>	Sex <b>M</b>	Age <b>55</b>
Order Number <b>X100412653</b>	Client Order Number <b>X100412653</b>	Ordering Physician <b>Test,Atlas</b>	Report Notes	
Account Information <b>C7028846 DLMP Rochester</b>		Collected <b>29 Mar 2023 06:33</b>		

contact the laboratory for discussion. Misinterpretation of results may occur if the information provided is inaccurate and/or incomplete.

Reliable results are dependent on adequate specimen collection and processing. This test has been validated on cytology slides and formalin-fixed, paraffin-embedded tissues; other types of

fixatives are discouraged. Improper treatment of tissues, such as decalcification, may cause PCR failure.

**Released By**

Theresa Smedberg

MCR

**Received:** 30 Mar 2023 11:16

**Reported:** 30 Mar 2023 11:58

Test Environment  
ETBM Template

**Laboratory Notes**

- 1 This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

**Performing Site Legend**

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292