



LABORATORY REPORT

Example Client, XYZ123
1234 Warde Road
Ann Arbor MI 48108

EXAMPLE, REPORT W
WX0000003827 M 07/08/1978 45 Y

Referral Testing

Collected: 08/30/2023 11:17 Received: 08/30/2023 11:17

Test Name	Result	Flag	Ref-Ranges	Units	Site
ABL Kinase Domain Mutation in CML, Cell-based					
ABL Mutation, Cell-based	SEE NOTE				QCRL

This result was reviewed and interpreted by W. Zhou, M.D.

There is a 35-nucleotide insertion detected between exon 8 and exon 9, likely representing an alternative splicing product that would produce a truncated ABL protein that lacks the last 653 residues of the kinase domain. This altered transcript has been noted to be increased in kinase-resistant samples in some reports but may also be a normal variant.

ABL Possible Mutations	SEE NOTE				QCRL
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No additional ABL mutations were detected.

Extracted RNA from leukocytes was subjected to reverse transcription PCR in order to amplify the BCR-ABL fusion transcript. Subsequently, a nested PCR was performed to further selectively amplify the region corresponding to the ABL kinase domain (exons 4 to 9) and sequenced to detect mutations that have been reported to confer resistance to kinase inhibitors. Mutations present outside this region or in the PCR primer binding sites will not be detected. Mutations in rare BCR-ABL1 transcripts may also not be detected in this assay.

For additional information, please refer to <http://education.QuestDiagnostics.com/faq/FAQ113> (This link is being provided for informational/educational purposes only.)

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

Test Performed at:
Quest Diagnostics Nichols Institute
33608 Ortega Highway
San Juan Capistrano, CA 92675-2042 I Maramica MD, PhD, MBA

QCRL: QUEST DIAGNOSTICS REFERENCE LAB CAPISTRANO 33608 Ortega Highway San Juan Capistrano CA 92675

Reported Date: 2023.08.30 11:17 ABLKD

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

F230000021 Ordered By: KAJAL SITWALA, MD, PhD
WX0000003827 WX00000000002365
Printed D&T: 08/30/23 11:18

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
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