**BCR-ABL1, Qualitative with Reflex to BCR-ABL1 Quantitative**

**ARUP test code 2005010**

**BCR-ABL1 Source** | Not Specified
---|---

**BCR-ABL1, t(9;22) Qual by RT-PCR** | Not Detected
---|---

This result has been reviewed and approved by Anna Matynia, M.D.

There is no evidence of major (p210 type) or minor (p190 type) BCR-ABL1 fusion transcripts by RT-PCR analysis. This result does not entirely exclude the possibility of a BCR-ABL1 fusion that is not detectable by the specific assay primers or one that is below the test limit of detection.

**INTERPRETIVE INFORMATION: BCR-ABL1, t(9;22) Qual by RT-PCR**

This assay is designed to detect the presence of BCR-ABL1 translocations with breakpoints in the major breakpoint cluster region (p210 fusion) or the minor breakpoint cluster region (p190 fusion).

**METHODOLOGY:**
RNA is isolated from whole blood or bone marrow and reverse transcribed. The resulting cDNA is subjected to separate PCR amplifications with primers designed to amplify fusions that give rise to either the p190 or p210 forms of BCR-ABL1. An additional RT-PCR amplification is directed at the ABL1 gene as a control for sample quality. The PCR products are resolved by electrophoresis and evaluated for the presence of amplicons that indicate a positive result.

**LIMITATIONS:**
Rare BCR-ABL1 fusions that give rise to the p230 form are not detected by this test. The limit of detection for this assay is 1 BCR-ABL1 positive cell in 100,000 normal cells. 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.

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

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**H=High, L=Low, *=Abnormal, C=Critical**
### VERIFIED/REPORTED DATES

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