BRAF V600E Mutation Detection in Hairy Cell Leukemia by Real-Time PCR, Quantitative
ARUP test code 2007132

BRAF V600E Detection Hairy Cell, Result

**Detected** * 

A BRAF V600E mutation (c.1799T>A) was detected by quantitative PCR analysis.

This result has been reviewed and approved by Archana Agarwal, M.D.

**Test information: BRAF V600E Detection Hairy Cell**

This test is designed to detect the point mutation c.1799T>A in the BRAF gene. This point mutation changes the amino acid sequence resulting in p.Val600Glu (V600E). BRAF V600E mutations are present in the majority of cases of classic hairy cell leukemia.

**Methodology:**
Genomic DNA is isolated from the specimen. The BRAF V600E mutant allele is quantitated by allele-specific real-time PCR. Results are expressed as percent BRAF V600E mutant allele.

**Limitations:**
Mutations in other locations within the BRAF gene or mutations in other genes will not be detected. The limit of detection for this test is 0.2 percent mutant alleles, which corresponds to 0.4 percent heterozygous mutant 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.

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

BRAF V600E Detection Hairy Cell, Quant

5.9 %

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

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<thead>
<tr>
<th>Procedure</th>
<th>Accession</th>
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<th>Received</th>
<th>Verified/Reported</th>
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H=High, L=Low, *=Abnormal, C=Critical