

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 6/27/1950  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Leukocyte Alkaline Phosphatase (Test on Delay as of 7/21/2023)**

ARUP test code 0049000

Leukocyte Alkaline Phosphatase

**0 L (Ref Interval: 22-124)**

**TEST INFORMATION:** Leukocyte Alkaline Phosphate (LAP) Stain Access complete set of age- and/ or gender specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com). The LAP stain determines cytoplasmic LAP enzyme activity in segmented neutrophils and bands. An increased/decreased LAP score can occur in various disease conditions. A frequent use of this test is to differentiate between Chronic Myelogenous Leukemia (CML) and a leukemoid reaction. CML has a decreased LAP score; leukemoid reaction has an increased LAP score.

**Methodology:** Enzyme cytochemistry - The LAP enzyme present in neutrophils hydrolyzes the substrate Naphthol AS-BI Phosphate. The hydrolyzed product couples with the dye (fast red violet salt L.B.) to form an insoluble red-brown precipitate in the cytoplasm. Smears are counterstained with hematoxylin. The smears are examined microscopically. Results of this test must be interpreted within the clinical context. This test should not be used alone to determine diagnosis.  
Test developed by ARUP Laboratories.

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Leukocyte Alkaline Phosphatase	23-182-106394	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

**H=High, L=Low, \*=Abnormal, C=Critical**

Unless otherwise indicated, testing performed at: