

Client: ARUP Example Report Only  
500 Chipeta Way  
Salt Lake City, UT 84108  
UNITED STATES

Physician: arup, arup

**Patient: Test, HLAB27 PCR 2**

**DOB**

**Sex:** Female

**Patient Identifiers:** 46922

**Visit Number (FIN):** 47260

**Collection Date:** 3/3/2023 11:17

**Ankylosing Spondylitis (HLA-B27) Genotyping**

ARUP test code 0050392

Ankylosing Spondylitis (HLAB27) Specimen whole Blood

Ankylosing Spondylitis (HLAB27) Negative

Indication for testing: Assess genetic risk for ankylosing spondylitis.

The sample is negative for HLA-B27.

This result has been reviewed and approved by [REDACTED]

**BACKGROUND INFORMATION: Ankylosing Spondylitis (HLA-B27) Genotyping**

**CHARACTERISTICS:** Ankylosing spondylitis (AS) is a chronic inflammatory disease that primarily causes pain and inflammation of the joints between the vertebrae of the spine and the sacroiliac joints. Inflammation and pain may occur in other parts of the body as well. HLA-B27 is strongly associated with ankylosing spondylitis (AS) as well as with Reiter syndrome, anterior uveitis, psoriatic arthritis, and inflammatory bowel disease.

**INCIDENCE:** Greater than 90 percent of patients with AS are HLA-B27 positive compared to 5-10 percent of the general population.

**PENETRANCE:** Two to eight percent of individuals with HLA-B27 will develop AS.

**METHODOLOGY:** Polymerase chain reaction (PCR) and fluorescence monitoring.

**ANALYTICAL SENSITIVITY and SPECIFICITY:** 99 percent

**LIMITATIONS:** This test does not rule out the B\*27:06 and 27:09 alleles, which are not associated with spondyloarthropathies. Certain rare alleles present in less than 1 percent of the population will not be detected. Other rare, or uncharacterized alleles may occur which may lead to false positive or false negative results.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

Counseling and informed consent are recommended for genetic testing. Consent forms are available online.

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

Unless otherwise indicated, testing performed at:

**ARUP LABORATORIES | 800-522-2787 | aruplab.com**  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Test, HLAB27 PCR 2  
ARUP Accession: 23-062-105602  
Patient Identifiers: 46922  
Visit Number (FIN): 47260  
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VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Ankylosing Spondylitis (HLAB27) Specimen	23-062-105602	3/3/2023 11:17:00 AM	3/3/2023 11:17:41 AM	4/6/2023 3 26:00 PM
Ankylosing Spondylitis (HLAB27)	23-062-105602	3/3/2023 11:17:00 AM	3/3/2023 11:17:41 AM	4/6/2023 3 26:00 PM

END OF CHART

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

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