

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: [REDACTED]/1985  
Gender: Female  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Collection Date: 00/00/0000 00:00

Ankylosing Spondylitis (HLA-B27) Genotyping

ARUP test code 3019466

Ankylosing Spondylitis (HLAB27) Specimen      whole Blood

Ankylosing Spondylitis (HLA-B27)      Positive

Indication for testing: Assess genetic risk for ankylosing spondylitis.

The sample is positive 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



| VERIFIED/REPORTED DATES                  |               |                  |                  |                   |
|--|---------------|------------------|------------------|-------------------|
| Procedure                                | Accession     | Collected        | Received         | Verified/Reported |
| Ankylosing Spondylitis (HLAB27) Specimen | 25-204-102607 | 00/00/0000 00:00 | 00/00/0000 00:00 | 00/00/0000 00:00  |
| Ankylosing Spondylitis (HLA-B27)         | 25-204-102607 | 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