

## HLA-B27 PCR, QUALITATIVE

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(Real Time PCR)

### Note:

1. Test performed on EDTA / ACD whole blood
2. This is an in-house developed assay
3. In cases of HLA-B27 negative Spondyloarthritis, further testing recommended is HLA-C\*06 (Positive in Psoriatic arthritis) and HLA-B\*07 (Positive in Juvenile and Undifferentiated Spondyloarthritis).

### Comments

Certain inflammatory and non-inflammatory diseases are associated with the inheritance of HLA alleles. Ankylosing spondylitis and several postinfectious arthropathies are associated with the presence of HLA -B27. Individuals who inherit this class I allele have a 90 fold greater chance of developing the disease as compared to those who do not carry HLA- B27. It is postulated that the mechanism underlying this association most probably influences T cell response.

### Uses

DISEASE	STRENGTH OF ASSOCIATION
Ankylosing spondylitis	++++
Reiter's syndrome	++++
Reactive arthritis (Yersinia, Salmonella, Shigella & Chlamydia)	+++
Acute anterior uveitis	+++
Psoriatic spondylitis	+++