

# SPONDYLOARTHRITIS

## A SILENTLY PROGRESSING DISEASE



### JOINT PAIN? >>> >>> >>>

People who have the gene **HLA-B27** are at a greatly increased risk of developing autoimmune and immune-mediated diseases



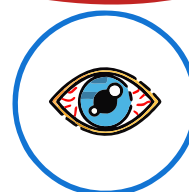
Ankylosing spondylitis (AS)



Reactive arthritis



Juvenile rheumatoid arthritis (JRA)



Acute anterior uveitis

## DISEASE RECOVERY begins with **PRECISE DIAGNOSIS**

### FLOW CYTOMETRY

#### Principle

Uses antibodies to detect the presence of the HLA-B27 antigen on white blood cells

#### Accuracy

Can give false negative if HLA-B27 is downregulated or "masked"

#### Sensitivity & Specificity

Can be affected by cross reactivity with other antigens such as HLA-B7 and HLA-B37

### REAL TIME PCR TESTING

Uses a polymerase chain reaction to amplify a DNA segment that contains the HLA-B27 gene

High accuracy than flow cytometry, not influenced by conformational antigenic changes

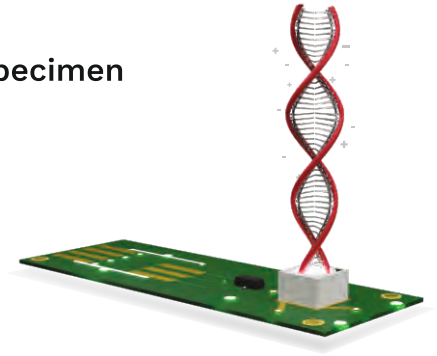
Highly sensitive and specific. No cross reactivity with other subtypes of HLA gene



# Truenat<sup>®</sup> HLA-B27

YOUR PARTNER IN DIAGNOSIS OF PREDISPOSITION TO SPONDYLOARTHRITIS

- Chip-based Real Time micro PCR test for HLA-B27
- Qualitative detection of HLA-B27 typing in the human blood specimen
- Target gene: exon 2 of HLA-B
- Sensitivity & Specificity: 100%
- Extensively validated and licensed by Indian FDA
- Internal control validating process from extraction to PCR
- Carry over amplicon contamination control



POINT OF CARE



RAPID



BATTERY-OPERATED



PORTABLE

## KEY IMPACT



Human Blood Specimen



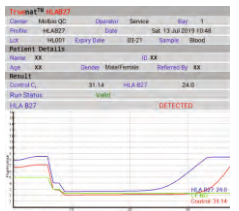
DNA Extraction using Trueprep<sup>®</sup> AUTO v2

20 MINS



DNA Quantification using Truelab<sup>®</sup> micro PCR Analyzer

35 MINS



Prompt results reporting for patient management

## SAMPLE-TO-RESULT



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Truenat<sup>®</sup> HLA-B27  
Now Performed At



SCAN TO



KNOW MORE

ANY WHERE, ANY TIME, REAL TIME PCR