

Document number: PSM MOLECULAR BIOLOGY IMMUNOLOGY Issue number: 1.02	Effective date: 28/03/2024	Page 1 of 3
Title: Primary Sample Manual: Molecular Biology - Immunology		

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Changes made since previous version: *Changed accreditation status from 'No' to 'Yes'. Colour-coded accreditation status.*

Note: *Please refer to the document record on QPulse for the revision history of this document*

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1. HLA-B27	
<p>HLA-B27 is a class I surface antigen strongly associated with seronegative spondyloarthropathies, such as ankylosing spondylitis. Ankylosing spondylitis is a type of arthritis characterised by long-term inflammation of the joints of the spine. 90% of patients diagnosed with Ankylosing spondylitis (AS) test positive for HLA-B27, thus genotyping is suitable for the differential diagnosis of AS. However, only 1-2% of those who test positive for HLA-B27 develop AS. Therefore, the test is not indicated as a screening test.</p> <p>HLA-B27 has a frequency of approximately 8% in the general Caucasian population.</p>	
Preparation of patient: There is no physical preparation for the HLA-B27 test.	
Precautions: None.	
Accredited	Yes
Method	Molecular Biology – Real-time PCR SOP: MB54
Sample Requirements	Tube Type: Whole blood EDTA Temperature: + 4°C Miscellaneous: Non fasting
Turnaround Time	5 working days from sample receipt
Stability	Whole blood at room temperature: 7 days. Long term storage (>10 days) of blood samples intended for nucleic acid isolation should be in EDTA tubes at 4 °C. DNA extracts: 3 Months at -20°C Primary EDTA tube: 3 Months at 4°C
Units - Reference Ranges	HLA-B27 Positive HLA-B27 Negative Invalid

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