



LABORATORY REPORT

QC ACCOUNT (WARDE)
300 W. TEXTILE
ANN ARBOR MI 48108

EXAMPLE, REPORT
WX0000000237 F 12/05/1988 36 Y

Molecular

Collected: 10/14/2025 10:29 Received: 10/14/2025 10:29

Test Name Result Flag Ref-Ranges Units Site

HLA-B27 Identification by PCR

HLA-B27 Allele DETECTED AB WMRL

BACKGROUND: Presence of the HLA-B27 allele is strongly associated with ankylosing spondylitis (AS), Reiter syndrome, anterior uveitis, psoriatic arthritis, and inflammatory bowel disease.

PREVALENCE: The HLA-B27 allele can be found in 8% of Caucasians but varies regionally. The allele frequency is 25% in Northern Scandinavia, 2-8% in Southern Europe, North Africa and China, and <0.5% in Japanese.

INCIDENCE: >90% of patients with AS are HLA-B27 positive compared to 5-10% of the general population.

PENETRANCE: 2-8% of individuals with at least one copy of the HLA-B27 allele will develop AS.

METHODOLOGY: Polymerase chain reaction (PCR) and melt curve analysis (MCA).

ASSAY PERFORMANCE: >95% clinical sensitivity. >99% clinical specificity. LOD >1 ng gDNA. No cross-reactivity with any other HLA-B alleles has been observed.

LIMITATIONS: The primers are expected to miss the following HLA-B27 allele subtypes: B*27:04:03, B*27:07:01, B*27:07:02, B*27:07:03, B*27:07:04, B*27:102, B*27:11, B*27:125, B*27:14, B*27:19, B*27:20, B*27:21, B*27:24, B*27:30, B*27:32, B*27:33, B*27:34, B*27:36, B*27:43, B*27:70, B*27:81, B*27:90:01, B*27:90:02.

This test was developed and its performance characteristics determined by Warde Medical Laboratory. 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.

Reported Date: 10/14/2025 10:29 B27M

Performing Site:

WMRL: WARDE MEDICAL LABORATORY 300 West Textile Road Ann Arbor MI 48108

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

E214000002
WX0000000237
Printed D&T: 10/14/25 10:29

Ordered By: CLIENT CLIENT
WX00000000000336

Kajal V. Sitwala, MD, PhD - Medical Director
Form: MM RL1
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