Assay Information

On March 3, 2015 we will change the method used to test for the HLA B27 Antigen from complement mediated antigen/antibody reaction (cytotoxicity) to a PCR - reverse SSO methodology. The new method is more robust with regard to specimen sample acceptability and is consistent with other HLA typing performed in our laboratory and other HLA laboratories throughout the United States.

Clinical Application:

**Disease Association**

1. Ankylosing Spondylitis. Useful component in a diagnostic work-up.
2. Acute Anterior Uveitis. Association is not 100%. Useful in diagnosing previously undiagnosed or misdiagnosed spondylarthropathy in patients with Uveitis
3. Reactive Arthritis (Reiter’s Syndrome)
4. Psoriatic Arthritis
5. Inflammatory Bowel Disease

**Method**

The testing uses sequence specific oligonucleotide probes (SSO) bound to fluorescently coded microspheres to identify alleles encoded by the sample DNA using the reverse SSO DNA typing method.
# TEST METHOD CHANGE — JANUARY 2015

**Test Name:** HLA B27 Screen DNA  
**Test Code:** MB27  
**CPT Code:** 81374  
**Price:** Contact Laboratory Customer Service for pricing information 847-5121 or 1-800-991-2799.  
**Method:** PCR-rSSO  
**Sample Requirements:** Collect 4 mL **EDTA (Purple Top) tube**, submit whole blood unspun. Minimum volume 2.5 mL. Store sample at room temperature. Specimen must be labeled with collection date. Specimen should be received in the laboratory within 24-hours.  
**Days Performed:** Monday—Friday  
**Analytical Time:** 2 Days  
**Instrument:** Luminex  
**NY Certified:** Yes

## Specimen Information

<table>
<thead>
<tr>
<th>Test Name</th>
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## References:

LABType SSO Typing Tests package insert, One Lambda, Canoga Park, CA.,


Histocompatibility and Immunogenetics, A Collection of Brief Revision Notes, 2011, Kallon, Delordson


HLA-B27 Associated Uveitis, Waheed, Nadia