



## HLA-B27 StripAssay®

Confirm early diagnosis of ankylosing spondylitis  
by HLA-B27 genotyping

**Ankylosing spondylitis,  
reactive arthritis and HLA-B27 allele**

The allelic variant HLA-B27 is well known as genetic risk factor for spondyloarthropathies, such as ankylosing spondylitis (AS), reactive arthritis, juvenile rheumatoid arthritis, and anterior uveitis.

Ankylosing spondylitis, also known as Morbus Bechterew, is the most prevalent spondyloarthropathy affecting 0.1 - 1% of the general population. Up to 96% of patients with AS and up to 80% of patients with reactive arthritis carry the HLA-B27 allele.

Patients suffer from chronic pain and stiffness in the back and pelvis and, with progressing disease, often develop spinal fusion. The disease usually manifests between 15-30 years of age and is three times more prevalent in males than in females.

Often a time period of 5-10 years elapses between early, nonspecific symptoms and a definite diagnosis.

Differentiating between HLA-B27 positive and negative patients is therefore an important parameter for diagnosing spondyloarthropathies.

**ViennaLab HLA-B27 StripAssay® detects disease-relevant HLA-B27 subtypes**

- **Simple protocol for complex diagnostic questions**
- **Manual or automated**
- **No expensive lab equipment required**
- **Ready-to-use reagents**
- **CE-labelled complete kit - DNA extraction included**

## ViennaLab HLA-B27 StripAssay® meets customer requirements



Requirement	ViennaLab's offer
Easy	Three simple steps. 6 h. Done.
Reliable	Probes for HLA-B27 and control combined on one teststrip.
Versatile	Automated or manual processing.
Affordable	Incubator. Thermocycler. Shaker. That is all you need. Software for interpretation of results is optional.

### HLA-B27 StripAssay®

- is based on reverse-hybridization of biotinylated PCR products
- combines probes for HLA-B27 and control in a parallel array of allele-specific oligonucleotides
- works with immobilized oligos on a teststrip
- generates test results by enzymatic color reaction easily visible to the naked eye

### HLA-B27 alleles detected

The HLA-B27 StripAssay® detects all currently known HLA-B27 variants except for a few, very rare alleles.

Gene	Function	B27 allele	Impact	Therapy
HLA-B27	Involved in „self“ and „foreign“ recognition	Present	Predispose to spondyloarthropathies	✓

## The three steps of the StripAssay®

Step	Requirement
<b>1. Amplification:</b> Multiplex PCR. Simultaneous biotin-labeling	Thermocycler
<b>2. Hybridization:</b> Directly on the StripAssay® teststrips	Incubator
<b>3. Identification:</b> Labeled products detected by streptavidin-alkaline phosphatase	Naked eye or scanner & software

**Order Information:**  
HLA-B27 StripAssay®:

4-320 (20 tests/kit)



Manufacturer:

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More details available at [www.viennalab.com](http://www.viennalab.com)