

# HLA-B27

*A Complete System for Detection of HLA-B27 Antigen*

Becton Dickinson's HLA-B27 System

offers a complete walkaway flow

cytometric method useful in the

diagnosis of individuals suspected

of having certain rheumatic disorders

associated with the presence of

HLA-B27 antigen. Becton Dickinson

FACS™ brand flow cytometers and

specific monoclonal antibodies

provide a rapid approach to

HLA-B27 detection.

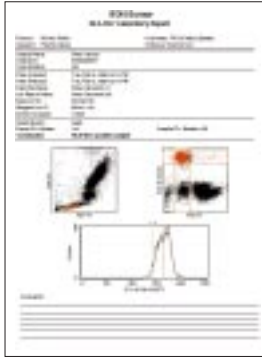


The Becton Dickinson HLA-B27 System offers a complete reagent and calibration kit, with walkaway software for instrument setup, calibration, acquisition, and analysis. The FACS Loader-compatible HLA-B27 software provides automated sample acquisition and analysis, and rapid test results reporting that improves laboratory efficiency and productivity.

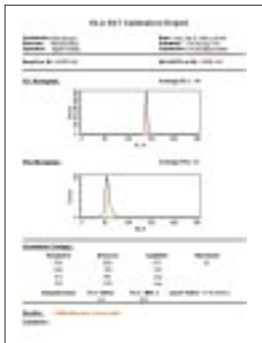
HLA-B27 is clinically relevant to the evaluation of seronegative spondyloarthropathies. There is a strong association of HLA-B27 with ankylosing spondylitis (AS) as well as with several other disorders, such as Reiter's syndrome, psoriatic arthritis, and inflammatory bowel disease. The HLA-B27 System provides quick, specific results useful in the diagnosis of individuals suspected of having disorders associated with the presence of HLA-B27 antigen. Time and labor savings can be achieved by replacing the tedious, time-consuming, and difficult-to-perform microcytotoxicity test with the fast and easy-to-use Becton Dickinson HLA-B27 System.

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*The HLA-B27 Laboratory Report contains sample information, date and time of sample acquisition, gated events, preset FL1 marker, sample FL1 median, and a conclusion (HLA-B27 positive sample, HLA-B27 negative sample, or an error message).*



*The HLA-B27 Calibration Report contains all items entered in the Sign In and Set Up views, FL1 and FSC histograms, the current instrument settings, and the calibration status.*

## A Complete In Vitro Diagnostic System

The HLA-B27 reagent kit contains HLA-B27 calibration beads, Anti-HLA-B27 FITC/CD3 PE and FACS Lysing Solution.\* FACS Loader-compatible FACSComp™ and HLA-B27 software provide walkaway setup and rapid acquisition and analysis to give quick results and to allow operators free time for other tasks.

## Productivity and Confidence in Discriminating HLA-B27 Samples

The Becton Dickinson HLA-B27 System contains a lot-specific decision marker for each lot of antibody reagent. This marker facilitates the identification of HLA-B27 positive and negative samples. During analysis, the software compares the median fluorescence intensity of T lymphocytes stained with Anti-HLA-B27 FITC of the sample to this predetermined decision marker. This automated method of analysis provides accurate, fast, and reproducible results.

## Meets Efficient Clinical and Routine Quality Assurance Requirements

FACS Loader-compatible FACSComp software provides the initial setup of the FACS brand flow cytometer (FACSCalibur™, FACSort™, or FACScan™) for HLA-B27 analysis using CaliBRITE™ beads. FACSComp provides a system to monitor instrument performance that ensures reproducible results.

When used with CaliBRITE beads and HLA-B27 calibration beads, FACSComp provides convenient, routine instrument setup for HLA-B27 determinations. Instrument settings and performance test results generated with FACSComp can be saved automatically to an export file, which can then be read by a third-party spreadsheet or statistics software to generate Levey-Jennings plots. This saves time and labor in tracking and reporting instrument performance.

The HLA-B27 system is IVD cleared. Therefore, only minimal validation is required. Laboratory productivity and efficiency is provided with this simple lysed whole blood sample preparation method, automated acquisition, analysis, and rapid test results that do not require confirmation.

For more information, contact your local BD representative or visit our website at [www.bdfacs.com](http://www.bdfacs.com).

\* US Patent Nos. 4,654,312; 4,902,613; and 5,098,849.  
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