

Notification of Test Change
HLA B27 disease association typing by PCR
Histocompatibility and Immunogenetics (HLA) Laboratory

Effective April 12, 2016, the Detroit Medical Center University Laboratories will be changing the platform for assessment of HLA B27 for disease association from flow Cytometric serology testing to PCR-based molecular typing. This PCR based screening test will define the presence or absence of the B27:XX antigen. Allele level typing will be available upon request as a high resolution reflex test SBTB.

“Human leukocyte antigen (HLA) B*27 is a susceptibility allele to ankylosing spondylitis (AS). There are over 100 B*27 alleles reported to date, the major AS-associated subtypes of HLAB27 vary in frequency in different ethnic populations. HLAB* 27:02 was reported in AS patients of Europeans, especially more frequent in Southern European. HLAB* 27:03 appeared in Black African populations. HLAB*27:04 is the most common AS-risk allele in Chinese Han, Taiwanese and Japanese. HLA-B*27:05, the “parent” HLA-B27 allele, is present in almost all populations, and is the major AS allele in Caucasians, American Indians and Koreans. HLA-B*27:07 may play a protective role. HLA-B*27:09 described only in Sardinia and southern Italy, and has not been observed to data in AS patients.” *The Open Rheumatology Journal, 2013, 7, 51-54.*

Testing will no longer be performed in the Immunodiagnostics Laboratory. Testing will move to the Histocompatibility and Immunogenetics (HLA) laboratory located in the ground floor of the Hutzel building at 4707 St. Antoine on the Kresge Campus.

Ordering Information:

Specimen Requirements: Whole Blood (ACD, 10ml) Room temperature. Whole Blood (heparin, 10ml) can be accepted, but inconclusive results may occur due to heparin interference, and is strongly discouraged.

Acceptance Criteria: Name, patient unique identifier (SS#, Donor#, recipient#, etc.), date drawn, phlebotomist initials

Rejection Criteria: Hemolyzed, frozen, partially identified specimen

Days Performed: Monday – Friday

Test TAT: 5 days.

Ordering Codes:	NEW	Discontinued
CIS Description	HLAB27 genetic disease association	Human Leukocyte Antigen B27
ANTRIM unit code	336230	34280
ANTRIM report title	HLA B27 Disease Association	
SUNQUEST test code	B27TYP	HLA B27
SUNQUEST test name	HLA B27 Disease Association	

Technical inquiries:

DMCUL Histocompatibility and Immunogenetics (HLA) Laboratory, (313) 745-7308, FAX (313) 745-7320
 Omar Fagoaga, Technical Director, phone (313) 966-2580