

Painful Facts

2.7 millions adults have AK

3 times more common in Men than Women

17-40 This condition usually starts between ages

Microarray HLA - B27 Molecular Genetic Test

About

The HLA- B27 molecule is one of the most fascinating in medicine. Among the numerous autoimmune diseases associated with various HLA alleles, the one with the highest relative risk so far reported has been Ankylosing Spondylitis (AK) with HLA- B27.

The microarray test detects all HLA-B27 subtypes & indicates the possible presence of the non- disease associated subtypes HLA-B27 27:06 & HLA b27 29:09

99.9%

Human leukocyte antigens (HLA) are tissue antigens of the human major histocompatibility complex (MHC). HLA-B belongs to the HLA antigens of class I (also called MHC I antigens). Due to an extreme genetic polymorphism there are a large number of HLA phenotypes. For HLA-B over 1000 different alleles have been described. The HLA-B*27 allele alone has 77 subtypes (B*27:01 to B*27:65N). The membrane protein HLA-B27 is associated with the occurrence of several autoimmune diseases. When HLA-B27 is present, the relative risk of Bechterew's disease(AK) is 87.4 %

Technical Details

Specimen : EDTA Blood
Cut off Time : 1:00pm
Transport at : 2-8 C
Schedule : Daily
TAT : Next Day Evening

Diseases associated with HLA-B 27

1. Ankylosing spondylitis
2. Uveola oculo articular syndrome
3. Reiter's Disease
4. Reactive Arthrities
5. Acute uveitis anterior
6. Juvenile idiopathic arthritis
7. Enteropathies

Applications

- HLA-B27 can be determined accurately and precisely with Molecular Genetics
- competes with the lymphocytotoxicity tests used up until now.
- Euro Array HLA-B27 is IVD validated & CE registered molecular test.
- Fully automated standardized evaluation, interpretation & archiving of results(EuroArray Scan Software).
- Because of cross reactions with antibodies (with e.g. HLA-B7) and potential false-negative results in immunophenotyping, when HLA-B*27 expression is low, molecular genetic determination of HLA-B*27 is more specific and sensitive than serological methods.

Contact Us

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