

Guide to Interpretation HLA-B27

- 1) HLA-B27 is present in 80 – 95% of Caucasians of western European descent with Ankylosing Spondilitis.
- 2) HLA-B27 is present in 60 – 80% of western European Caucasians with Reactive Arthritis.
- 3) 10% of individuals with HLA-B27 positivity now develop Ankylosing Spondylitis. The risk increases to 30% with a positive family history among first degree relatives compared to normal HLA-B27 controls. Note that these are significant differences regarding these risks according to ethnic or geographic differences.
- 4) The normal frequency of HLA-B27 in various races is as follows:

Whites	8%
Chinese	8%
Japanese	1%
African Americans	4%