Interpretation of Hepatitis B Serologic Test Results



Revised Version Available

CDC has revised this document. Please visit <u>Interpretation of Hepatitis B</u>

<u>Serologic Test Results | CDC</u> found on the <u>Division of Viral Hepatitis Website</u>.

Adapted from: A Comprehensive Immunization Strategy to Eliminate Transmission of Hepatitis B Virus Infection in the United States: Recommendations of the Advisory Committee on Immunization Practices. Part I: Immunization of Infants, Children, and Adolescents, MMWR 2005;54(No. RR-16)

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DEPARTMENT OF HEALTH & HUMAN SERVICES
Centers for Disease Control and Prevention

Division of Viral Hepatitis



HBsAg indicates that the person is infectious. The body normally produces antibodies to HBsAg as part of the normal immune response to infection.
HBsAg is the antigen used to make hepatitis B vaccine.

- Hepatitis B surface antibody (anti-HBs): The presence of anti-HBs is generally interpreted as indicating recovery and immunity from hepatitis B virus infection. Anti-HBs also develops in a person who has been successfully vaccinated against hepatitis B.
- Total hepatitis B core antibody (anti-HBc):
 Appears at the onset of symptoms in acute hepatitis B and persists for life. The presence of anti-HBc indicates previous or ongoing infection with hepatitis B virus in an undefined time frame.
- IgM antibody to hepatitis B core antigen (IgM anti-HBc):
 Positivity indicates recent infection with hepatitis B virus (≤6 mos). Its presence indicates acute infection