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serologic tests are blood tests that look for antibodies in your blood they can involve a number of laboratory techniques different types of serologic tests are used to diagnose various disease serology is the scientific study of serum and other body fluids in practice the term usually refers to the diagnostic identification of antibodies in the serum what are immunology and serology immunology is the study of the body s immune system and its functions and disorders serology is the study of blood serum the clear fluid that separates when blood clots immunology and serology laboratories focus on the following identifying antibodies antibody serology tests check for the presence or level of specific antibodies in the blood the results can show if your immune system can fight off certain diseases they may also look for signs of an autoimmune disease serological test any of several laboratory procedures carried out on a sample of blood serum the clear liquid that separates from the blood when it is allowed to clot for the purpose of detecting antibodies or antibody like substances that appear specifically in association with certain diseases serology refers to using antigen antibody reactions in the laboratory for diagnostic purposes its name comes from the fact that serum the liquid portion of the blood where antibodies are found is used in testing another way to use serological testing is for the identification of the antigen itself using a known specific antibody for that antigen you will see 2 methods in lab the older more reliable way of identifying strep and staph bacteria is by growth on agar media as well as biochemical or antibiotic testing this chapter outlines commonly ordered blood chemistry immunology and serology tests and other common laboratory investigations normal values and a guide to the diagnosis of common abnormalities are provided serological methods are used for measuring the antibody response while the presence of virus can be demonstrated by cultivation or demonstration of specific antigens or gene sequences for the latter molecular diagnostic methods have become more and more widely applied immunology serology in laboratory medicine fifth edition is the go to resource for everything from mastering automated techniques to understanding immunoassay instrumentation and disorders building on a solid foundation of knowledge and skills this classic text from trusted author mary louise turgeon clearly explains everything from basic immunologic mechanisms and serologic concepts to the theory behind procedures performed in the lab serology is the science of blood serum and other body fluids in the context of medicine the term is traditionally used to describe the detection of antibodies in the blood serum but it can also be used to describe antibody measurements in other clinical samples of body fluids e g saliva a medical science dealing with blood serum especially in regard to its immunological reactions and properties also the testing of blood serum to detect the presence of antibodies against a specific antigen serological ,sir ə 'lə ji kəl adjective or serologic ,sir ə 'lə i:k

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