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Datasheet for ABIN1326825

Chlamydia Trachomatis IgM ELISA Kit

Overview

Quantity:	96 tests
Target:	Chlamydia Trachomatis IgM
Reactivity:	Human
Method Type:	Competition ELISA
Application:	ELISA

Product Details

Purpose: Diluted patient serum (serum diluent contains sorbent to remove rheumatoid factor and human IgG interference) is added to wells coated with purified antigen. IgM specific antibody, if present, binds to the antigen. All unbound materials are washed away and the enzyme conjugate is added to bind to the antibody-antigen complex, if present. Excess enzyme conjugate is washed off and substrate is added. The plate is incubated to allow the hydrolysis of the substrate by the enzyme. The intensity of the color generated is proportional to the amount of IgM specific antibody in the sample

Sample Type:	Serum
Analytical Method:	Qualitative
Detection Method:	Colorimetric

Target Details

Target:	Chlamydia Trachomatis IgM
Abstract:	Chlamydia Trachomatis IgM Products

Target Details

Target Type: Antibody

Background: *C. trachomatis* is an intracellular parasite pathogen that is similar in cell wall structure to gram-negative bacteria. It is the most common sexually transmitted disease (STD) in the US with more than 4 million cases reported annually. The main sites of infection include the GU tract and rectum but conjunctivitis, perihepatitis and reactive arthritis may result. The infection is often asymptomatic, making it difficult to diagnose as many as 23 of infected women are asymptomatic. Women develop mucopurulent cervicitis, and irregular menstrual bleeding or abdominal pain may occur in about 40%. PID is found in about 5% of women. The infection is usually symptomatic in men with dysuria and whiteclear discharge occurring. The infection incubates in 7 to 21 days and is commonly found with a second STD pathogen. IgG and IgM antibodies to *C. trachomatis* can be detected with 2-4 weeks after exposure. IgG remains positive, but the antibody level can drop overtime. ELISA can detect *C. trachomatis* IgM antibody for many months after infection.

Application Details

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: 4 °C