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Datasheet for ABIN996997

Mycoplasma Pneumoniae IgG ELISA Kit

Overview

Quantity:	96 tests
Target:	Mycoplasma Pneumoniae IgG
Reactivity:	Mycoplasma pneumoniae
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Mycoplasma IgG Test System provides a means for the qualitative detection of IgG antibodies to Mycoplasma pneumoniae in human sera. When performed according to these instructions, the results of this test may aid in the diagnosis of M. pneumoniae infections in the adult population, or the determination of the patient's serological status. Potential cross-reactivity has not been assessed, nor were studies performed on very young and/or elderly patients.
Sample Type:	Serum
Analytical Method:	Qualitative
Detection Method:	Colorimetric
Specificity:	95%
Sensitivity:	87.5%

Target Details

Target:	Mycoplasma Pneumoniae IgG
Abstract:	Mycoplasma Pneumoniae IgG Products

Target Details

Target Type: Antibody

Background: Mycoplasma pneumoniae is the most common cause of pneumonia and febrile upper-respiratory tract infections in the general population (except for influenza A). Other nonrespiratory complications may also develop with the disease in virtually any organ system, with insult ranging from mild to life-threatening. Mycoplasma pneumoniae, a prokaryote, is the smallest (10 x 200nm), and simplest self-replicating microorganism known, and more closely resembles a bacterium rather than a virus. However, because it lacks a cell-wall, a resistance to cell-wall-active antibiotics is obvious (i.e., penicillin, cephalosporins). This concern for diagnostic, or at least therapeutic accuracy in the early management of community-acquired infections is particularly critical in very young or elderly patients where very little temporal margin of error exists. Until recently, the routine laboratory diagnosis of this infection has been limited to insensitive and/or non-specific assays (i.e., cold agglutinins, complement-fixation, and culture isolation). Species-specific antibodies to surface antigens are now known to exist. They are protective, and are readily detected by ELISA, even in the early stages of the disease. The diagnosis therefore, is best achieved serologically.

Application Details

Sample Volume: 10 µL

Assay Time: 1 h

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: 4 °C

Expiry Date: 12-14 months