



TEST: RUBELLA IgG ANTIBODY

PRINCIPLE:

Rubella (German or “3 day” measles) is a mild, contagious rash primarily of children and young adults. Acute rubella virus infection in a child or adult is usually a self-limited, benign disease, characterized by low-grade fever, mild upper respiratory symptoms, an erythematous maculopapular rash and suboccipital lymphadenopathy. However, rubella can be a very serious disease early in pregnancy, leading to miscarriages, stillbirths or birth defects.

This test is to aid in the assessment of the patient’s immunological response to rubella and in the determination of the immune status of the individual, including females. The presence of IgM antibody or a significant rise in IgG for acute and convalescent specimens is evidence of acute rubella infection. The acute phase specimen should be drawn as soon after rash onset as possible; the convalescent-phase serum should be drawn 10 or more days after acute-phase specimen.

SPECIMEN REQUIREMENTS:

2ml collected in a serum separator tube (gel barrier). Separate serum from cells ASAP or within 2 hours of collection by centrifugation. Stability after separation from cells: Ambient: 4 Days; Refrigerated: 1 week; Frozen: 30 Days (avoid repeated freeze/thaw cycles).

REJECTION CRITERIA: Plasma or other body fluids. Gross hemolysis

METHOD: Enhanced Chemiluminescence

REFERENCES:

1. Herman, K.L. 1985 Rubella Virus, In: Manual of Clinical Microbiology. Lennette, E.H., Balows, A., Hausler, W. J. Jr. and Shadomy, H. J. (eds). 4th Edition, American Society of Microbiology, Washington, DC, p.779-784.
2. Turgeon, M.L. 1996. Rubella Infection. In: Immunology and Serology in Laboratory Medicine. 2nd Edition. Mosby. P. 275-286.
3. Diseases and Immunizations. Rubella Prevention: Recommendations of the Immunization Practices Advisory Committee (ACIP). Vol. 39. 1995. MedAccess Corp.

NORMAL RANGE:

Clinical Interpretation of immune status:

Negative for Rubella IgG: < 10 IU/mL

Equivocal for Rubella IgG: 10.0 to <15 IU/mL

Positive for Rubella IgG: ≥ 15.0 IU/mL

Turnaround time: 7 business days