

## TEST CHANGE

### Rubella Antibodies, IgG and IgM

0050552, RUBE G/M

#### Specimen Requirements:

##### Patient Preparation:

Collect: Serum separator tube.

Specimen Preparation: Allow specimen to clot completely at room temperature. Separate serum from cells ASAP or within 2 hours of collection. Transfer 2 mL serum to an ARUP **standard transport tube**. ~~Standard Transport Tube~~. (Min: 0.5 mL) Parallel testing is preferred and convalescent specimens must be received within 30 days from receipt of the acute specimens. Mark specimens plainly as "acute" or "convalescent."

Transport Temperature: Refrigerated.

Unacceptable Conditions: Plasma or urine. Contaminated, heat-inactivated, **icteric**, or hemolyzed specimens.

##### Remarks:

Stability: After separation from cells: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 year (avoid repeated freeze/thaw cycles)

Methodology: Semi-Quantitative Chemiluminescent Immunoassay (**CLIA**)

Performed: Sun-Sat

Reported: Within 24 hours

##### Note:

CPT Codes: 86762 x2

New York DOH Approval Status: This test is New York DOH approved.

##### Interpretive Data:

Testing immediately post-exposure is of no value without a later convalescent specimen. While the presence of IgM antibodies suggests current or recent infection, low levels of IgM antibodies may occasionally persist for more than 12 months post-infection or immunization.

The best evidence for current infection is a significant change on two appropriately timed specimens, where both tests are done in the same laboratory at the same time.

The magnitude of the measured result is not indicative of the amount of antibody present.

Component	Reference Interval
Rubella Antibody, IgG	Less than 9 IU/mL: Not Detected. 9-9.9 IU/mL: Indeterminate; Repeat testing in 10-14 days may be helpful. 10 IU/mL or greater: Detected.
Rubella Antibody, IgM	19.9 AU/mL or less: Not Detected. 20.0 - 24.9 AU/mL: Indeterminate; Repeat testing in 10-14 days may be helpful. 25.0 AU/mL or greater: Detected; IgM antibody to rubella detected, which may indicate a current or recent infection or immunization.

Reference Interval:

Test Number	Components	Reference Interval
	Rubella Antibody IgM	19.9 AU/mL or less
	<u>Rubella Antibody IgG</u>	<u>&lt;=8.9</u>