
Lab Dept: Serology

Test Name: RUBEOLA (IGG) IMMUNE STATUS

General Information

Lab Order Codes: ROGM

Synonyms: Measles Immune Status; Rubeola IgG Antibody

CPT Codes: 86765 - Antibody; rubeola

Test Includes: Rubeola IgG Antibody reported as positive, negative or equivocal and includes an index value.

Logistics

Test Indications: To determine immunity to measles (rubeola) virus. Documentation of previous infection with measles virus in an individual without a previous record of immunization to measles virus.

Lab Testing Sections: Chemistry (Performed on the St. Paul campus)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2-10 hours, test is performed daily

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red) tube

Draw Volume: 1.2 mL (Minimum: 0.6 mL) blood

Processed Volume: 0.4 mL (Minimum: 0.2 mL) serum

Collection: Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures.

Special Processing:	Routine venipuncture
Patient Preparation:	None
Sample Rejection:	Specimens other than serum, mislabeled or unlabeled specimens; gross hemolysis; gross lipemia; heat-inactivated specimen

Interpretive

Reference Range:	Vaccinated: Positive (>30 Au/mL) Unvaccinated: Negative (<25.0 Au/mL) Equivocal (25 – 29.9 Au/mL)
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Interpretation:

Positive - The presence of detectable IgG-class antibodies indicated prior exposure to the measles virus through infection or immunization. Individuals testing positive are considered immune to measles.

Equivocal – Submit an additional sample for testing in 10 to 14 days to demonstrate IgG seroconversion if recently vaccinated or if otherwise clinically indicated.

Negative – The absence of detectable IgG-class antibodies suggests the lack of a specific immune response to immunization or no prior exposure to the measles virus.

Critical Values:	N/A
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Limitations:	IgG-class antibodies to measles virus may be present in serum specimens from individuals who have received blood products within the past several months, but have not been immunized or experienced past infection with the virus.
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Serum samples drawn early during acute phase of infection may be negative for IgG-class antibodies to this virus.

Methodology:	Chemiluminescent Immunoassay (CLIA)
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References:	DiaSorin IFU – Liason Measles IgG Ref 318810
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Updates:	4/6/2004: Test moved from Viromed Laboratories to Mayo Medical Laboratories. 6/12/2013: Method update, previously listed as Enzyme Immunoassay 10/16/2013: Added AI values to reference range. 11/6/2017: Updated draw container 8/13/2019: Testing moved inhouse, to be performed at Children's, updated for method. Note new ref ranges and specimen info.
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