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**Lab Dept:** Serology

**Test Name:** RUBEOLA (IGG) IMMUNE STATUS

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***General Information***

**Lab Order Codes:** RUBES

**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.

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***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:** Serology - Sendouts

**Referred to:** Mayo Medical Laboratories (Test: ROPG)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1-3 days, test setup Monday – Saturday

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** SST (Gold, marble or red) tube

**Draw Volume:** 1.5 mL (Minimum: 1.2 mL) blood

**Processed Volume:** 0.5 mL (Minimum: 0.4 mL) serum

<b>Collection:</b>	Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures.
<b>Special Processing:</b>	Routine venipuncture
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Specimens other than serum, mislabeled or unlabeled specimens; gross hemolysis; gross lipemia; heat-inactivated specimen

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### ***Interpretive***

<b>Reference Range:</b>	Vaccinated: Positive ( $\geq 1.1$ AI)  Unvaccinated: Negative ( $\leq 0.8$ AI)  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.
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	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.  Serum samples drawn early during acute phase of infection may be negative for IgG-class antibodies to this virus.
<b>Methodology:</b>	Multiplex Flow Immunoassay (MFI)
<b>References:</b>	<a href="#">Mayo Medical Laboratory Web Page</a> November 2017
<b>Updates:</b>	4/6/2004: Test moved from Viomed 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