Lab Dept:	**Serology**
Test Name:	**RUBEOLA (IGG) IMMUNE STATUS**

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.

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

Specimen

Specimen Type:	Blood
Container:	Red top tube
Draw Volume:	1.5 mL (Minimum: 1.2 mL) blood
Processed Volume:	0.5 mL (Minimum: 0.4 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 (>=1.1 AI) Unvaccinated: Negative (<=0.8 AI) Interpretation: Positive - The presence of detectable IgG-class antibodies indicated prior exposure to the measles virus through infection or immunization. Indivuals 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
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. Serum samples drawn early during acute phase of infection may be negative for IgG-class antibodies to this virus.
Methodology:	Multiplex Flow Immunoassay (MFI)
References:	Mayo Medical Laboratory Web Page October 2013
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.