Lab Dept:	**Serology**
Test Name:	**RUBELLA IMMUNE STATUS IGG ANTIBODY**

General Information

Lab Order Codes:	RUBIS
Synonyms:	German Measles Immune Status, Rubella IgG Antibody
CPT Codes:	86762 – Antibody; rubella
Test Includes:	Rubella immune status. Results are reported as positive or negative and include the Rubella IgG antibody index value.

Logistics

Test Indications:	Determination of immunity to rubella.
Lab Testing Sections:	Serology - Sendouts
Referred to:	Mayo Medical Laboratories (MML Test: RBPG)
Phone Numbers:	MIN Lab: 612-813-6280
	STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	1 – 3 days, performed Monday - Saturday
Special Instructions:	N/A

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
	Note: Submission of the minimum volume does not allow for repeat analysis and may result in a QNS (quantity not sufficient) test result.
Collection:	Routine blood collection

Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Excessive hemolysis; warm specimens; chylous serum; gross specimen contamination; gross lipemia; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Vaccinated: Positive (>=1.0 AI) Unvaccinated: Negative (<=0.7 AI) By early adulthood, approximately 80-90% if the population of the United States show serologic evidence of having experienced rubella diseases. Rubella vaccine is recommended for all children, many adolescents, and some adults (particularly females) unless it is specifically contraindicated. These facts indicate that the expected number of negative rubella serologies will be very low. A positive result indicates prior exposure to the virus and immunity against rubella.
Critical Values:	N/A
Limitations:	This assay should be used only as a means of determining the immune status of an individual through the detection of anti-rubella antibodies. The presence of anti-rubella IgG antibodies does not exclude the possibility of a recent or ongoing infection. Testing for IgM-class antibody to rubella antibody should be performed at a state health laboratory or at the Centers for Disease Control and Prevention (CDC) if the clinical presentation is suggestive of acute rubella infection.
Methodology:	Multiplex Flow Immunoassay (MFI)
References:	Mayo Medical Laboratories November 2017
Updates:	3/4/2004: Test moved from Lab Corp (Viromed) to Mayo Medical Laboratories. 5/12/2004: Method change from Automated Microparticle Enzyme Immunoassay (MEIA) to ELFA. Reference range change from immune to positive. 4/19/2011: Ref range changed from Positive to Negative by MML. 6/11/2013: Method change, previously listed as Enzyme-Linked Fluorescence Assay (ELFA). New inclusion of a reported index value. 10/16/2013: Added AI values to reference ranges. 11/6/2017: Updated draw container