Rubella RSVP® (Rubella Spike Viral Protein) Antigen

Rubella viral infection (German Measles) is typically a mild and self-limiting disease that is most often contracted during childhood. Primary rubella infections are not common in adults, but if they occur, the infection may have serious consequences in pregnant women.

Product #	Description	Buffer	Protein Concentration	Storage	Packaging
6200 RSVP	Purified Rubella RSVP Antigen Viral Strain: HPV77 Propagated in Vero Cells UV Inactivated	0.1M Na Carbonate; 0.1M NaCl pH 8.0 - 8.4	0.2 - 0.8mg/mL (~ 90% Viral Protein)	-65°C or Below	0.5, 1, 5, 10mL Aliquots HDPE Plastic Bottles Shipped on Dry Ice

Previous experience with Rubella Western Blot assays of IgM serum samples showed that false positive reactivity frequently is due to the reaction with Rubella capsid antigens. This may be due to cross-reactivity. The Rubella RSVP product was designed to be free of capsid proteins to address potential IgM cross-reactivity issues.

The Rubella RSVP antigen is the envelope spike protein comprised of E1 and E2 in the native configuration. These antigens give greater specificity in the detection of Rubella IgM antibodies. Specific Rubella IgM antibodies appear early after infection and react with the envelope proteins (spike protein) in the acute stage of the Rubella viral (German Measles) infections.

The Rubella RSVP antigens are prepared by a patented process (Patent #6,670,117 and #6,872,396 B2) of extraction of Rubella antigens from cells infected with Rubella Virus strain HPV77. Although the primary intent for this antigen is for the detection of IgM antibodies it can also be used for IgG if desired.

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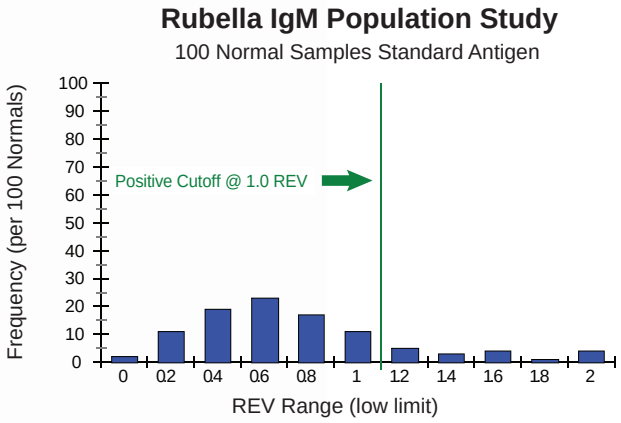
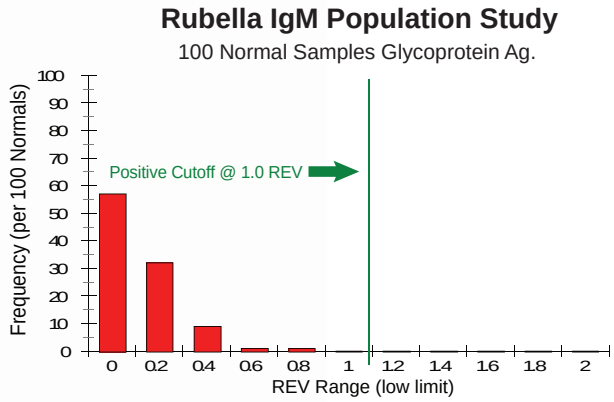
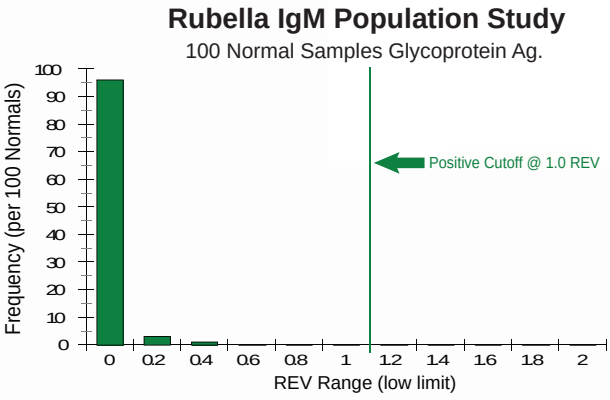
It has been suggested that the rubella virus capsid protein is responsible for a number of false positive rubella results.



In-house ELISA using purified Rubella Antigen, Product #6076.



In-house ELISA using RSVP Antigen, Product #6200.



In-house ELISA using RSVP Antigen, Product #6200, Serum Diluent with urea.

Use of urea increases the stringency of binding removing reactivity from low affinity antibodies.

VA-RSVP 06/09/09

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