

Technical Data

Kit Size	96 Tests
Sample Dilution	1:100
Assay Timing	20 + 20 + 10 minutes
Standards	15, 25 and 100 IU/ml
Normal Values	<15 IU/ml
Typical CVs	<12%
Quality Control	Positive and Negative controls
Microplate Photometer	450nm
Product code	GD82

Rubella IgG

The Genesis Rubella IgG kit is a rapid ELISA designed for the qualitative/semi-quantitative detection of IgG antibodies to Rubella virus in human serum.

Rubella (German Measles) is a common and usually benign contagious disease of children and young adults. The primary medical significance comes from its teratogenic effects when contracted by childbearing women. Maternal infection, especially during the first trimester of pregnancy, can result in a range of congenital birth defects including deafness, cataracts, diabetes and cardiac and bone abnormalities. Because of the serious complications of the disease, it is important to determine the immune status of women of child bearing age, pregnant women, and individuals who may have close contact with them.

The presence of circulating maternal antibody indicates immunity to Rubella and virtually excludes the possibility of transmission of Rubella to the foetus. Acute Rubella infection can be confirmed by simultaneously testing paired acute and convalescent sera and looking for seroconversion, or by detecting Rubella specific IgM (GD83). The presence of Rubella specific IgM in the neonate or the persistence of a high titre of IgG antibody for longer than 6 months confirms a diagnosis of congenital Rubella.

A woman tested to be non-immune can be educated on the availability of vaccination. Pregnant women with current Rubella infection should be counselled on the consequences of congenital infection.

For research use.

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*Diagnos***tics**

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