

Technical Data

Kit Size	96 wells
Plate Format	'Break apart' wells
Sample Dilution	1:100
Assay Timing	30/30/15 min at room temperature
Standards	Total 0, 25, 50, 100, 200 & 500 U/ml IgA/IgM 0, 25, 100, 200 & 400 IU/ml IgG 0, 40, 100, 200 & 400 U/ml
Normal Values	Total < 40 U/ml IgM < 16 U/ml IgA < 20 U/ml IgG < 70 U/ml
Reagents	Color coded and ready to use
Typical CVs	4 - 12%
Quality Control	Positive and negative controls are included in the kits.
Microplate Photometer	Optical density read at 450 nm.
Product code	GD06

Rheumatoid factor Total

Genesis produces three class specific kits for detecting RF: IgG, IgA and IgM. The Genesis Total RF screening kit detects all Ig classes of RF. The assays show excellent reproducibility and provide improved accuracy over agglutination methods.

Microplates are coated with purified rabbit IgG. All kits have a shelf life of up to 18 months.

Rheumatoid factors (RF) are autoantibodies which are directed against the Fc fragment of IgG. Although named after the disease they were initially associated with, RF's are also found in various diseases and in the healthy population.

In health, RF producing cells have a physiological role in clearing immune complexes, enhancing the avidity of IgG antibodies and in presenting antigen to T cells. High concentrations of RF are principally associated with rheumatoid arthritis (RA) and Sjogren's syndrome. In RA, fluctuations in serum concentrations of different immunoglobulin classes of RF correlate with various symptoms of the disease, e.g. elevated IgA RF is associated with erosive lesions.

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Diagnos^tics

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