

Technical Data

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| 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 | Colour 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 | GD37 |

Rheumatoid factor IgG

Genesis produces three class specific kits for detecting RF: IgG, IgA and IgM. A Total RF screening kit is also available to detect 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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