Biomaghreb

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RHEUMATOID FACTORS LATEX

Latex serology test for detection
of Rheumatoid Factor

IN VITRO DIAGNOSTIC USE

IVD

REF	**46017**	50 Tests
REF	**46024**	100 Tests

CLINICAL SIGNIFICANCE

Rheumatoid factors are a group of antibodies directed to determinants in the Fc portion of the immunoglobulin G molecule. Although rheumatoid factors are found in a number of rheumatoid disorders, such as systemic lupus erythematosus (SLE) and Sjögren's syndrome, as well as in nonrheumatic conditions, its central role in clinic lies its utility as an aid in the diagnosis of rheumatoid arthritis (RA). An study of the "American College of Rheumatology" shows that the 80,4% of RA patients were RF positive.

PRINCIPLE

RHEUMATOID FACTORS LATEX is a rapid latex agglutination test kit for the detection of Rheumatoid Factor (RF) in human serum.
The RF latex particles are coated with specially purified human gamma globulin.
When the latex suspension is mixed with serum containing elevated RF levels on a slide, clear agglutination is seen within 2 minutes

REAGENT COMPOSITION

Latex reagent (Ready to use)	Aqueous suspension of particles of sensitized latex. Dropper bottle (1 drop 50 µl). Shake well before use.
Positive control (Ready to use)	Dropper bottle : (1 drop 50 µl).
Negative control (Ready to use)	Dropper bottle (1goutte = 50 µl)
Card	Card for carrying out the test
Stirrers	Disposable stirrers for mixing reagents and samples

SAFETY CAUTIONS

Biomaghreb reagents are intended for use by qualified personnel for in vitro use (do not pipette by mouth).

- Refer to the current MSDS available on request or on www.biomaghreb.com.
- Check the integrity of the reagents before use.
- Disposal of waste: comply with applicable legislation.

For safety reasons, treat any specimen or reagent of biological origin as potentially infectious. Observe the applicable legislation.

SAMPLE PREPARATION

Fresh sera or stored at -20°C, showing complete coagulation.
Reject any lipemic or contaminated serum. Do not use plasma.

PRESERVATION AND STABILITY

Store at 2-8°C until the expiration date indicated on the box.

PROCEDURE

Bring reagents and test sera to room temperature (18-25°C).

1) Qualitative test

Place successively on the card :

- drop of the positive control
- 1 drop of negative control
- 1 drop of the serum to be tested

Next to each deposit; add, using the vertical dropper, 1 drop of well homogenized ASO Latex Reagent. Mix with a stirrer.
Make a slow rotational movement to the card. Note the appearance of agglutination in exactly 3 minutes.

◊ ***RESULT***

› ***Positive reaction (agglutination) :***

Presence of rheumatoid factors whose concentration can be estimated using the semi-quantitative technique.

› ***Negative reaction (homogeneous suspension) :***

Absence of antistreptolysin O antibodies or presence at a level lower than 200 UI/ml).

2) Semi quantitative test

In case of a positive reaction, titrate the serum with a series of dilutions of ratio 2 in 9 g/l saline solution.
Test each dilution according to the protocol described above.
The serum rheumatoid factor titer, expressed in UI/ml, is obtained by multiplying the inverse of the last dilution giving a weakly positive reaction by the sensitivity threshold of the technique (6UI/ml).

INTERPRETATION

In suspected clinical Rheumatoid arthritis, the Rhumatoid factors are detected in 80% patient's serum, seropositive forms are serious in compared with seronegative forms.

In positive test, confirm results by Waaler Rose reaction.

Rhumatoid factors are also found at 4 % of patients with lupus, hepatitis, syphilis and various other clinical conditions.

These positive results give very low titres compared to Rheumatoid arthritis.

BIBLIOGRAPHIE

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Manufacturer


Use by

In Vitro Diagnostic


Temperature Limitation

Catalogue number


See insert


Keep away from light

Sufficient for < n > essais

Batch number