Biomaghreb

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CRP LATEX

Serological detection on latex particles
of protein C Reactive

IN VITRO DIAGNOSTIC USE

IVD

REF	**45010**	50 Tests
REF	**45027**	100 Tests

CLINICAL SIGNIFICANCE

CRP is an acute-phase protein present in normal serum, which increases significantly after most forms of tissue injuries, bacterial and virus infections, inflammation and malignant neoplasia. During tissue necrosis and inflammation resulting from microbial infections, the CRP concentration can rise up to 300 mg/L in 12-24 hours.

PRINCIPLE

The CRP LATEX is a rapid latex test for the search for C Reactive Protein (CRP). Latex particles, sensitized with antibodies specific for human CRP, are agglutinated in the presence of patient serum containing CRP.

REAGENT COMPOSITION

Anti-CRP latex (Ready to use)	Aqueous suspension of sensitized latex particles. Dropper bottle: (1 drop = 50 µl) Homogenize before use
Positive control (Ready to use)	Dropper bottle: (1drop :50µl)
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

Sera fresh 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 anti- CRP.
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) :***

Clear agglutination in 2 minutes. The sensitivity of the CRP LATEX test is 6 mg/l. Sera giving a positive reaction have a concentration higher than 6mg/l of CRP.

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

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

2) Semi quantitative test

Prepare serial two-fold dilutions in physiological saline and observe the presence or absence of agglutination.
The approximate C-Reactive protein level in serum sample can be calculated by the following formula:
CRP mg/l = Highest dilution with positive reaction X
reagent sensitivity (6 mg/l).

NORMAL VALUE

Up to 6-8 mg/l

INTERPRETATION

The CRP concentration increases in acute inflammatory diseases and malignant tumors.

Continuous monitoring of patients with high CRP concentrations provides a good indication of the therapeutic response of these patients.

BIBLIOGRAPHIE

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Singer, J.M. et al.
Amer. J. Clin. Path. 28.611 (1957).


Manufacturer


Use by

In Vitro Diagnostic


Temperature Limitation

Catalogue number


See insert


Keep away from light

Sufficient for < n > essais

Batch number