

## RaPET<sup>®</sup> RF

**METHOD:** Latex Agglutination

**SPECIMEN:** Serum

**ASSAY TEMPERATURE:** Room Temperature

**CONTROLS:** A Positive and a Negative Control each time of testing.

**LIMITATIONS:**

- A) Reactions should be read exactly at two (2) minutes following addition of the latex reagent to the serum specimen. A longer reaction time may cause false results due to a drying effect.
- B) Under normal usage, latex reagents may contain some dried latex flakes in the dropper tip. These should not be mistaken for agglutination.
- C) Due to possible prozone effects, the strength of agglutination in the screening test is not indicative of the actual titer of CRP.
- D) Hemolytic, lipemic or turbid sera may cause incorrect results and should not be used.

**PRINCIPLE:** The Stanbio RaPET<sup>®</sup> RF Test uses a stabilized buffered suspension of polystyrene latex particles that have been coated with a layer of absorbed human gamma globulin (IgG). When the latex reagent is mixed with a serum specimen containing Rheumatoid Factors, agglutination will occur.

**STORAGE:** Store RaPET<sup>®</sup> RF reagents at 2-8°C (Refrigerated Temperature)  
Do Not Freeze.

**PROCEDURE:**

- 1) Bring all reagents to room temperature and mix gently prior to use.
- 2) Place in separate divisions (cells) of the same slide; one drop of patient specimen, one drop of positive control and one drop of negative control using separate pipette/mixers.
- 3) Add one drop of RF latex reagent to each cell and mix with the flat end of the appropriate pipette/mixer, spreading the fluid evenly over each cell.
- 4) Rock slide back and forth slowly for exactly two (2) minutes and then observe for agglutination.
- 5) Record results.
- 6) Wash glass slide with a mild detergent and then rinse with distilled water.

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**RESULTS:** Any degree of agglutination visible within two (2) minutes is to be interpreted as positive. Test is considered CRP negative when no difference in agglutination is observed between specimen and negative control.

**REFERENCE:** Stanbio RaPET® RF Product Insert, Procedure #1155

Date of Review/Revision

Reviewed by \_\_\_\_\_  
Lab Director/Supervisor