

IBL-America Rf-Absorbent

To be used for any IgM ELISA test kit coded IB05xxx

Order No.: IB05998

1. Composition

1 vial containing 20 ml of processed anti-human-IgG immune serum from sheep or goats; preserved with < 0.1 % sodium azide; sufficient for 100 samples.

2. Description of the Reagent

This Rf-Absorbent is for the removal of IgM rheumatoid factors from serum and plasma samples or cerebrospinal fluid (CSF) which are to be prepared for the detection of specific IgM antibodies in indirect immunoassays.

Attention! Samples which are intended for the detection of pathogen-specific IgG antibodies are not to be treated with any Rf-Absorbent.

3. Stability and Storage

This Rf-Absorbent is liquid and ready-to-use. Storage: at +2 to +8°C; do not freeze!

Stability: see label.

4. Precautions

This reagent contains Sodium Azide for conservation. Do not swallow and do not bring in contact with skin or mucous membranes!

5. Principle of the Method

Rheumatoid factors are autoantibodies (anti-IgG) mainly of the IgM class. They can be detected in serum of approx. 5 % of healthy individuals. IgM rheumatoid factors preferably bind to IgG immune complexes; therefore, false positive results may appear in the pathogen-specific IgM detection. Furthermore, it is possible that weak-binding pathogen-specific IgM antibodies are displaced by stronger-binding IgG antibodies. In this case, IgM-detection can bring about false negative results. This Rf-Absorbent precipitates up to 15 mg IgG/ml (undiluted serum). The IgM rheumatoid factor binds to the precipitate. Consequently, the IgG antibodies as well as the IgM rheumatoid factors are not reactive in the immunoassay. The use of this Rf-Absorbent can minimize false positive as well as false negative results.

6. Test procedure (serum)

- Add 200 µl Rf-absorbent and 800 µl serum dilution buffer. Add 10 µl of the sample (yields in a serum dilution of 1+100). Mix well.
- Incubate 15 minutes at room temperature or overnight at +2 to +8 C. Mix again.
- Use 100 uL of these dilutions directly for pipetting into the wells of the microtiter plate of the ELISA.

7. Test Procedure (CSF)

- Predilution: Dilute Rf-absorbent with serum dilution buffer 1:5
- Dilute CSF 1:2 or 1:10 with predilution. Mix well! Incubate 15 minutes at room temperature or overnight at +2 to +8 degrees C. Mix again.
- Use 100 uL of these dilutions directly for pipetting into the wells of the microtiter plate of the ELISA.

The test procedure also is described in chapter 7.4 of the instructions for use of any IgM ELISA kit coded IB05xxx.

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