

SmartEIA RF IgM

EAN Code: 8595635306105 Catalog number: SK-RFM096 Package size: 96 tests Storage: 2-8 °C Producer: TestLine Clinical Diagnostics s.r.o.



Description:

- Microtitre wells are coated with the purified human immunoglobulin IgM as an antigen.
- If specific antibodies are present, they bind to the antigen, are labeled by the Conjugate in the following steps and are detected by color reaction with a single component substrate (TMB-Complete).
- The kit allows 96 tests, including controls in a split microtiter plate with color-coded strips and breakable wells.

Advantages:

- The total assay time is about 2 hours.
- High sensitivity and specificity of the test.
- Kit includes CUT-OFF, Positive Control, Negative Control and Calibrators (5, 20, 80, 320 U/ml).
- Semi-quantitative evaluation in the Index of Positivity (IP) or quantitative evaluation in U/ml.
- Ready-to-use, color-coded components.
- Single-component substrate.
- Interchangeable components with the exception of kit specific components (Controls, Conjugate, Plate).



Application:

- Detection of rheumatoid factor in serum of patients with rheumatoid arthritis and, at lower frequency, also in case of other diseases (e.g. Sjögren's syndrome, SLE or bacterial endocarditis).
- Checking of therapy results using the quantitative determination.

Brief assay procedure:

- 1. Dilute samples (1:101).
- 2. Pipette Controls and diluted Samples.
- 3. Incubate at 37°C for 30 min.
- 4. Aspirate and wash the wells $5 \times$
- 5. Pipette Conjugate.
- 6. Incubate at 37°C for 30 min.
- 7. Aspirate and wash the wells $5 \times$
- 8. Pipette Substrate (TMB-Complete).
- 9. Incubate at 37°C for 30 min.
- 10. Pipette Stop Solution.
- 11. Read color intensity at 450 nm.
- 12. Evaluate the test.

SmartEIA kits are specifically designed for automated processing on the Agility[®] instrument, Dynex Technologies, Inc.