MAYO CLINIC LABORATORIES

Test Definition: FRGAM

Rheumatoid Factor (RF); IgG, IgA and IgM

Overview

Method Name
Enzyme Linked Immunosorbent Assay (ELISA)

NY State Available
Yes

Specimen

Specimen Type
Serum

Specimen Required
Container/Tube: Red-top tube
Acceptable: SST tube
Specimen Volume: 1.50 mL
Collection Instructions: Draw blood in a plain, red-top tube(s) or a serum-gel tube(s). Spin down and send 1.50 mL of serum refrigerated in a plastic vial.

Specimen Minimum Volume
0.50 mL

Reject Due To

Hemolysis	Mild OK
Lipemia	Mild OK
Icterus	Mild OK
Other	Whole blood unspun greater than 5 days old

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	5 days	
	Frozen	365 days	
	Ambient	5 days	

Clinical & Interpretive

Reference Values

Rheumatoid Factor (RF) levels IgG:
Negative: <20 EU/mL
Borderline/Equivocal: 20-25 EU/mL
Positive: >25 EU/mL

Rheumatoid Factor (RF) levels IgA:
Negative: <20 EU/mL
Borderline/Equivocal: 20-25 EU/mL
Positive: >25 EU/mL

Rheumatoid Factor (RF) levels IgM:
Negative: <10 IU/mL
Borderline/Equivocal: 10-12.5 IU/mL
Positive: >12.5 IU/mL

Interpretation

The presence of abnormal levels of all three rheumatoid factor (RF) isotypes has a specificity of 99% for Rheumatoid Arthritis. IgA-RF alone can occur in Henoch Schoenlein purpura. RF in any isotype combination may be found in hepatitis C, Sjogren Syndrome, and other chronic infections.

Borderline/Equivocal RF results warrant redraw & retesting to confirm.

Performance

PDF Report

No

Day(s) Performed

Once per week

Report Available

7 to 18 days

Performing Laboratory Location

IMMCO Diagnostics, Inc.

Fees & Codes

Fees

- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.

- Prospective clients should contact their account representative. For assistance, contact Customer Service.

Test Classification

This test has been developed and performance parameters have been validated by IMMCO Diagnostics, Inc. This test has not been approved by the U.S. Food and Drug Administration (FDA); however, US FDA approval is not required for clinical use. It is not intended that clinical diagnosis and patient management decisions be made using these results alone.

This test has been validated using serum samples. The manufacturer has not determined the efficacy of this when performed on CSF, plasma, joint or pleural fluid specimens. The performance characteristics of this test were determined by IMMCO Diagnostics Inc.

CPT Code Information

86431 x 3

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FRGAM	Rheumatoid Factor IgG, IgA, IgM	Not Provided

Result ID	Test Result Name	Result LOINC® Value
Z5623	Rheumatoid Factor IgG	33314-6
Z5624	Rheumatoid Factor IgA	33313-8
Z5625	Rheumatoid Factor IgM	11573-3