



Rheumatoid Arthritis Panel, Serum

Test ID: RAPAN; performed at Mayo Clinic Laboratories Florida.

Useful for:

Evaluating patients suspected of having rheumatoid arthritis (RA)

Differentiating RA from other inflammatory arthritis or connective tissue diseases

Diagnosis and stratification of rheumatoid arthritis

Profile Information:

Test ID	Reporting Name	Available Separately	Always Performed
CCP	Cyclic Citrullinated Peptide Ab, S	Yes	Yes
RHUT	Rheumatoid Factor, S	Yes	Yes

Methods:

CCP: Enzyme-Linked Immunosorbent Assay (ELISA)

RHUT: Turbidimetry

Reference Values:

Cyclic Citrullinated Peptide Antibodies, IgG

<20.0 U (negative)

20.0-39.9 U (weak positive)

40.0-59.9 U (positive)

> or =60.0 U (strong positive)

Reference values apply to all ages.

Rheumatoid Factor

<15 IU/mL

Specimen Requirements:

Collection Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 2 mL

Collection Instructions: Centrifuge and aliquot serum into a plastic vial.

Minimum Volume: 1.2 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	14 days
	Frozen	14 days

Cautions:

Cyclic Citrullinated Peptide Antibodies:

Positive results for cyclic citrullinated peptide (CCP) antibodies may occur in some patients with systemic lupus erythematosus or other autoimmune, connective tissue diseases. In a Mayo Clinic study, the false-positive rate in this subgroup was approximately 10 %

Antirheumatic therapy should not be initiated based solely on a positive test for CCP antibodies, and changes in treatment should not be based upon the levels of CCP antibodies.

Rheumatoid Factor:

The presence of rheumatoid factor (RF) antibodies is not specific to rheumatoid arthritis. Antibodies may be found in other systemic autoimmune rheumatic diseases as well as nonrheumatic conditions, including infectious diseases. These diseases include Sjogren syndrome, mixed connective tissue disease, systemic lupus erythematosus, polymyositis, tuberculosis, syphilis, viral hepatitis, infectious mononucleosis, and influenza. RF antibodies have been observed in nonaffected individuals, particularly in patients 60 years of age or older.

CPT Code:

86200

86431

Day(s) Performed: Monday through Friday **Report Available:** 2 to 3 days

Questions

Contact Bonnie Meyers, Laboratory Resource Coordinator at 800-533-1710.