
Lab Dept: Serology

Test Name: CYCLIC CITRULLINATED PEPTIDE ANTIBODY, IGG

General Information

Lab Order Codes: CCPA

Synonyms: Anti-CCP; CCP; Anti-Citruline; Citrullinated Antibody

CPT Codes: 86200 – CCP antibody

Test Includes: CCP antibody as negative, weak positive, positive or strong positive.

Logistics

Test Indications: Useful for evaluating patients suspected of having rheumatoid arthritis (RA) and differentiating RA from other connective tissue diseases that may present with arthritis.

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: CCP)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 3 days, test performed Monday – Saturday

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red)

Draw Volume: 1.5 mL (Minimum: 1.2 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.4 mL) serum

Collection: Routine blood collection

Special Processing: Lab Staff: Centrifuge and aliquot serum into a screw-capped round bottom plastic vial. Store and ship refrigerated temperatures.

Patient Preparation: None

Sample Rejection: Gross hemolysis, warm specimens or gross lipemia; mislabeled or unlabeled specimens

Interpretive

Reference Range:

Reference values apply to all ages:	
<20.0 U	Negative
20.0 – 39.9 U	Weak positive
40.0 – 59.9 U	Positive
≥60.0 U	Strong positive
Interpretation: A positive result for CCP antibodies indicates a high likelihood of rheumatoid arthritis.	

Critical Values: N/A

Limitations: Positive results for CCP antibodies may occur in some patients with lupus erythematosus or other autoimmune, connective tissue diseases.

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.

Methodology: Enzyme-Linked Immunosorbent Assay (ELISA)

References: [Mayo Medical Laboratories Web Page](#) January 2018

Updates: 1/19/2006: CPT 2006 update
9/29/2008: Reference range and Units change
1/17/2018: Collection container update.