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

<table>
<thead>
<tr>
<th>Reference Range</th>
<th>Interpretation</th>
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<tbody>
<tr>
<td>&lt;20.0 U</td>
<td>Negative</td>
</tr>
<tr>
<td>20.0 – 39.9 U</td>
<td>Weak positive</td>
</tr>
<tr>
<td>40.0 – 59.9 U</td>
<td>Positive</td>
</tr>
<tr>
<td>≥60.0 U</td>
<td>Strong positive</td>
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**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](https://mayo.medlab.mayo.edu) January 2018

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