

# Cyclic Citrullinated Peptide (CCP) Antibody (IgG)

**CPT Code:** 86200

**Order Code:** 11173

**ABN Requirement:** No

**Synonyms:** Citrullinated Peptide (CCP) IgG; CCP; Anti-Cyclic Citrullinated Peptide (CCP) Antibody IgG

**Specimen:** Serum

**Volume:** 1.0 mL

**Minimum Volume:** 0.5 mL

**Container:** Gel-barrier tube (SST, Tiger Top)

## Collection:

### Serum:

1. Collect and label sample according to standard protocols.
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
3. Let tube stand in a vertical position to allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.

**Transport:** Store serum at 2-8°C after collection and ship the same day per packaging instructions included with the provided shipping box.

## Stability:

**Ambient (15-25°C):** 4 days

**Refrigerated (2-8°C):** 7 days

**Frozen (-20°C):** 30 days

**Causes for Rejection:** Specimens other than serum; improper labeling; samples not stored properly; samples older than stability limits; grossly hemolyzed or grossly lipemic specimens; microbially contaminated serum; serum containing visible particle matter; heat treated specimens

**Methodology:** Immunoassay (IA)

**Turn Around Time:** 3-4 days

**Reference Range:**

Age	Units
All Ages	<20, Negative
All Ages	20-39, Weak Positive
All Ages	40-59, Moderate Positive
All Ages	>59, Strong Positive

**Clinical Significance:** A synthetic circular peptide containing citrulline called CCP IgG (cyclic citrullinated peptide) has been found to be better at discriminating Rheumatoid Arthritis patients from patients with other diseases such as hepatitis C infection. Rheumatoid Arthritis Classification Criteria include CCP IgG Antibody, rheumatoid factor, C-reactive protein and erythrocyte sedimentation rate (ESR). Approximately 70% of patients with Rheumatoid Arthritis are positive for Anti-CCP IgG, while only about 2% of random blood donors and disease controls subjects are positive.

**Limitations:** The presence of immune complexes may cause false-positive results due to increased non-specific binding.

*The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.*