Tissue Transglutaminase Antibody (IgA)

**CPT Code:** 83516  
**Order Code:** C1370  
**ABN Requirement:** No  
**Synonyms:** tTG IgA; Anti-tTG; Transglutaminase IgA Abs; Celiac Disease tTG IgA; Transglutaminase; Tissue Antibody IgA; Dematitis Herpetiformis

**Specimen:** Serum  
**Volume:** 1.0 mL  
**Minimum Volume:** 0.5 mL  
**Container:** Gel-barrier tube (SST, Tiger Top)

**Collection:**

1. Collect and label sample according to standard protocols.
2. Gently invert tube 10 times immediately after draw. DO NOT SHAKE.
3. Allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.

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

**Stability:**

- **Ambient (15-25°C):** 4 days  
- **Refrigerated (2-8°C):** 7 days  
- **Frozen (-20°C):** 30 days  
- **Deep Frozen (-70°C):** 30 days

**Causes for Rejection:** Grossly hemolyzed or lipemic samples; specimens other than serum; improper labeling; samples not stored properly; samples older than stability limits

**Methodology:** Immunoassay (IA)

**Turn Around Time:** 3 – 4 days
Reference Range:

<table>
<thead>
<tr>
<th>All Ages</th>
<th>U/mL</th>
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</thead>
<tbody>
<tr>
<td>No antibody detected</td>
<td>&lt;4</td>
</tr>
<tr>
<td>Antibody detected</td>
<td>≥4</td>
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</tbody>
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Use: The tissue transglutaminase antibody test is used for the diagnosis of gluten-sensitive enteropathies, including Celiac Sprue disease, and dermatitis herpetiformis, an associated skin disorder.

Limitations: Affected individuals who have been on a gluten-free diet prior to testing may have negative results.

Additional Information: The tissue transglutaminase antibody test should not be used as the sole determinant of a diagnosis of celiac disease, but should be used to identify individuals at risk in whom a small bowel biopsy is recommended.

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.