<table>
<thead>
<tr>
<th>Lab Dept:</th>
<th>Serology</th>
</tr>
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<tbody>
<tr>
<td>Test Name:</td>
<td>TOXOPLASMA GONDII IGG ANTIBODY</td>
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</table>

**General Information**

- **Lab Order Codes:** TXOG
- **Synonyms:** Toxoplasma Antibody, IgG only, serum; Toxoplasma Ab, IgG, Serum; *Toxoplasma gondii*, Toxoplasmosis; *T. gondii*
- **CPT Codes:** 86777 – Antibody; Toxoplasma
- **Test Includes:** Toxoplasma IgG antibody level reported in IU/mL.

**Logistics**

- **Test Indications:** This test is useful for indication of past or recent infection with *Toxoplasma gondii*. A single positive specimen is only indicative of a prior infection. Seroconversion indicates infection subsequent to the first negative specimen.
- **Lab Testing Sections:** Serology - Sendouts
- **Referred to:** Mayo Medical Laboratories (Test: TOXGP)
- **Phone Numbers:** MIN Lab: 612-813-6280
  
  STP Lab: 651-220-6550
- **Test Availability:** Daily, 24 hours
- **Turnaround Time:** 1 - 3 days, test set up Monday - Saturday
- **Special Instructions:** Indicate if ocular toxoplasmosis is suspected. Specimens that have been heat-treated should not be used.

**Specimen**

- **Specimen Type:** Blood
- **Container:** SST (Gold, marble or red) tube
- **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 specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.

**Patient Preparation:** None

**Sample Rejection:** Specimens that have been heat-treated or have obvious microbial contamination should not be used. Specimens other than serum, mislabeled or unlabeled specimens. Gross hemolysis; gross lipemia

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**Interpretive**

<table>
<thead>
<tr>
<th>Reference Range</th>
<th>Reference Value (IU/mL)</th>
<th>Interpretation</th>
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<tbody>
<tr>
<td></td>
<td>&lt; or = 9 IU/mL</td>
<td>Negative</td>
</tr>
<tr>
<td></td>
<td>10 – 11 IU/mL</td>
<td>Equivocal</td>
</tr>
<tr>
<td></td>
<td>&gt; or = 12 IU/mL</td>
<td>Positive</td>
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**Critical Values:** N/A

**Limitations:** IgG is not useful for diagnosing infection in infants <6 months of age. IgG antibodies in that age group are usually the result of passive transfer from the mother. A single toxoplasma IgG antibody assay cannot be used to diagnose recent infection.

The IgM assay should be used to diagnose an acute infection with *Toxoplasma gondii*.

**Methodology:** Multiplex Flow Immunoassay (MFI)

**References:** [Mayo Medical Laboratories](#) November 2017

**Updates:** 9/14/2004: This test has been changed at MML from a qualitative to a quantitative test. Please note that reference ranges have been changed to numeric values to aid in the level of antibody level.

6/11/2013: Method change, previously listed as ELFA. Note reference value change.

11/7/2017: Updated collection container