
Lab Dept: Serology

Test Name: TOXOPLASMA GONDII IGG ANTIBODY

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

Interpretive

Reference Range:	Reference Value (IU/mL):	Interpretation:
	< or = 9 IU/mL	Negative
	10 – 11 IU/mL	Equivocal
	> or = 12 IU/mL	Positive

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