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**Lab Dept:** Serology

**Test Name:** TRICHINELLA ANTIBODY

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***General Information***

**Lab Order Codes:** TRAB

**Synonyms:** Agglutination for Trichinosis; Latex test for trichinosis; Trichina agglutination; Trichinosis antibody; Trichinosis latex agglutination

**CPT Codes:** 86784 – Antibody; trichinella

**Test Includes:** Trichinella Antibody level reported as positive or negative

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***Logistics***

**Test Indications:** Useful as an adjunct in the diagnosis of trichinosis.

Diarrhea is the most common symptom associated with intestinal infection with adult worms. Subsequently, during systemic invasion by the larvae, fever, periorbital swelling, muscle pain and swelling, pulmonary symptoms and rash development are other possible symptoms.

**Lab Testing Sections:** Serology - Sendouts

**Referred to:** Mayo Medical Laboratories (MML Test: STRIC)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 – 7 days, setup Tuesday and Thursday

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** SST (Gold, marble or red)

**Draw Volume:** 1.5 mL (Minimum: 0.75 mL) blood

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|-----------------------------|--|
| <b>Processed Volume:</b>    | 0.5 mL (Minimum: 0.25 mL) serum  |
| <b>Collection:</b>          | Routine venipuncture   |
| <b>Special Processing:</b>  | Lab Staff: Centrifuge specimen, remove serum into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly. |
| <b>Patient Preparation:</b> | None   |
| <b>Sample Rejection:</b>    | Specimens other than serum; warm/thawed specimens; mislabeled or unlabeled specimens   |

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### ***Interpretive***

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|-------------------------|--|
| <b>Reference Range:</b> | Negative (reported as positive or negative)<br><br>A positive enzyme-linked immunosorbent assay (ELISA) suggests current infection with <i>Trichinella spiralis</i> . Serology should be used in conjunction with clinical, epidemiologic, and other laboratory tests to establish the correct diagnosis.<br><br>The number of individuals showing positive results may vary significantly between populations and geographic regions. |
| <b>Critical Values:</b> | N/A  |
| <b>Limitations:</b>     | Antibodies to <i>Trichinella spiralis</i> may not be detectable until three weeks after the onset of infection. Therefore, negative results in suspicious cases should be followed by repeat testing in several weeks.   |
| <b>Methodology:</b>     | Enzyme-Linked Immunosorbent Assay (ELISA)  |
| <b>References:</b>      | <a href="#">Mayo Medical Laboratories</a> April 2017   |