Lab Dept: Serology

Test Name: STRONGYLOIDES ANTIBODY, IGG

General Information

Lab Order Codes:	STRNG
Synonyms:	N/A
CPT Codes:	86682 – Antibody, helminth, not elsewhere specified
Test Includes:	*Strongyloides* IgG antibody reported as Negative, Equivocal or Positive.

Logistics

Test Indications:	Screening for the presence of IgG-class antibodies to *Strongyloides* This test is not useful for monitoring patient response to therapy as IgG-class antibodies to *Strongyloides* may remain detectable following resolution of infection.
Lab Testing Sections:	Serology - Sendouts
Referred to:	Mayo Clinic Laboratories (MML Test: STRNG)
Phone Numbers:	MIN Lab: 612-813-6280 STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	1 - 4 days
Special Instructions:	N/A

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 venipuncture

Special Processing: Lab Staff: Centrifuge specimen. Remove serum and aliquot into a plastic screw-capped tube. Store and ship at refrigerated temperatures. Forward promptly.

Specimen stable refrigerated (preferred) or frozen for 30 days.

Patient Preparation: None

Sample Rejection: Warm specimens; gross lipemia, hemolysis or icterus; bacterially contaminated; heat-inactivated; mislabeled or unlabeled specimen

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Interpretive

Reference Range:

All ages:	Negative

Critical Values: N/A

Limitations:

- False positive results may occur with other heminth infections, including prior exposure to *Entamoeba histolytica, Ascaris, Taenia solium, Fasciola spp, Echinococcus spp, Shistosoma spp*, and *Toxocara* (per assay manufacturer).
- This assay should not be used alone to establish a diagnosis of strongyloidiasis. Results should be correlated with other laboratory findings and through clinical evaluation.
- False negative results may occur during acute or localized infection. A single negative result should not be used to rule out infection.
- This assay should not be used to monitor response to therapy.
- The seroprevalence of IgG-class antibodies to *Strongyloides stercoralis* ranges from 0 to 6.1% in the United States.

Methodology: Enzyme-Linked Immunosorbent Assay (ELISA)

References: Mayo Clinic Laboratories December 2024

Updates: 10/28/2015: Testing no longer forwarded to ARUP. Testing now performed onsite at MML. No longer reported with IV units, specimen requirements updated.
12/22/2017: Collection container update.
12/27/2024: Updated indications and sample rejection. Added specimen stability.