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**Overview****Useful For**

Aiding in the diagnosis of schistosomiasis infections involving the urinary tract

**Method Name**

Microscopic

**NY State Available**

Yes

**Specimen****Specimen Type**

Urine

**Specimen Required**

**Supplies:** Urine Tubes, 10 mL (T068)

**Collection Container/Tube:** Clean, plastic urine collection container

**Submission Container/Tube:** Plastic, 10-mL urine tube

**Specimen Volume:** 10 mL

**Collection Instructions:**

1. Collect a random urine specimen. Preferred time of collection between the hours of 12 noon and 3 p.m. but not required. A 24-hour urine collection is also acceptable.
2. No preservative.

**Reject Due To**

Preserved urine    Reject

**Specimen Minimum Volume**

5 mL

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**Specimen Stability Information**

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	7 days	

**Clinical & Interpretive****Clinical Information**

Schistosomiasis is an infection caused by several species of trematodes (flukes) in the genus *Schistosoma*. The adult worms of *Schistosoma haematobium* inhabit the venus plexus of the bladder and produce eggs that are typically passed in the urine. Peak egg excretion occurs between noon and 3 p.m. Identification of characteristic eggs in urine is diagnostic for infection with this organism.

**Reference Values**

Negative

If positive, organism identified

**Interpretation**

A positive result indicates the presence of *Schistosoma* species ova in urine.

A negative result does not rule out the presence of *Schistosoma* species since ova may be present at levels below the detection limits of this assay, or infection may not involve the urinary tract.

**Cautions**

No significant cautionary statements

**Clinical Reference**

1. Ash L, Orihel T: Atlas of Human Parasitology. 5th ed. American Society of Clinical Pathologists (ASCP) Press; 2007
2. Global Health, Division of Parasitic Diseases: Parasites- Schistosomiasis. Centers for Disease Control and Prevention. Reviewed April 11, 2018. Accessed August 18, 2020. Available at: [www.cdc.gov/parasites/schistosomiasis/index.html](http://www.cdc.gov/parasites/schistosomiasis/index.html)
3. World Health Organization (WHO): Schistosomiasis (Bilharzia). WHO. Accessed August 18, 2020. Available at: [www.who.int/health-topics/schistosomiasis#tab=tab\\_1](http://www.who.int/health-topics/schistosomiasis#tab=tab_1)

**Performance**

**Method Description**

Filter concentration of urine has been shown to increase recovery of *Schistosoma haematobium* eggs from urine. Ten mL of urine is passed through a membrane filter and the filter is examined under the microscope for the characteristic eggs. (Garcia L: Diagnostic Medical Parasitology. 6th ed. ASM Press, 2016)

**PDF Report**

No

**Specimen Retention Time**

Until reported

**Performing Laboratory Location**

Rochester

**Fees & Codes****Test Classification**

This test has been cleared, approved, or is exempt by the US Food and Drug Administration and is used per manufacturer's instructions. Performance characteristics were verified by Mayo Clinic in a manner consistent with CLIA requirements.

**CPT Code Information**

87210

87015

**LOINC® Information**

Test ID	Test Order Name	Order LOINC Value
SHUR	Schistosoma Exam, U	10715-1

Result ID	Reporting Name	LOINC®
SHUR	Schistosoma Exam, U	10715-1