

## 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.

### Specimen Minimum Volume

5 mL

### Reject Due To

Preserved urine	Reject
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### Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated	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 28, 2023. 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 28, 2023. 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 milliliters 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

**Day(s) Performed**

Monday through Saturday

**Report Available**

1 to 4 days

**Specimen Retention Time**

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Until reported

**Performing Laboratory Location**

Rochester

**Fees & Codes****Fees**

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

**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	Test Result Name	Result LOINC® Value
SHUR	Schistosoma Exam, U	10715-1