Lab Dept:	**Hematology**
Test Name:	**MALARIA, RAPID ANTIGEN TEST**

General Information

Lab Order Codes:	RMAL
Synonyms:	BinaxNOW® Malaria Test; Malaria Antigen test; Rapid test for Plasmodium; Rapid Antigen Test for Malaria
CPT Codes:	87899 – Plasmodium falciparum 87899 – Plasmodium vivax
Test Includes:	Antigen testing for Plasmodium falciparum as well as pan-malarial antigen that is shared by other Plasmodium species causing human malaria.

Logistics

Test Indications:	Useful for providing a rapid result in diagnosing malaria.
Lab Testing Sections:	Hematology
Phone Numbers:	MIN Lab: 612-813-6280 STP Lab: 651-220-6550
Test Availability:	7 days a week, 24 hours per day
Turnaround Time:	1 hour after receipt in the laboratory
Special Instructions:	Rapid antigen testing should be followed up with examination of thick and thin peripheral blood smear.

Specimen

Specimen Type:	Whole blood
Container:	Lavender (EDTA) top tube , Lavender (EDTA) Microtainer®.
Draw Volume:	2 mL blood in a 2 mL Lavender top tube OR 0.5 mL in a EDTA Microtainer®
Processed Volume:	Same as Draw Volume
Collection:	Fill to mark on tube or Microtainer®. Mix thoroughly by gentle inversion.

Special Processing: Lab Staff: **Do Not** centrifuge

Patient Preparation: None

Sample Rejection: Improper tube; clotted sample; underfilled tube; mislabeled or unlabeled specimens

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Interpretive

Reference Range: Negative for Plasmodium antigen
Positives will be called

Critical Values: N/A

Limitations: A negative test does not exclude infection with malaria, particularly at low levels of parasitemia. As is often done in serial microscopy another sample can be collected and retested.

Positive test results should also be verified by examination of thick and thin peripheral blood smears.

Methodology: The BinaxNOW® Malaria Test is an immunochromatographic membrane assay that uses monoclonal antibodies to detect Plasmodium falciparum antigen and pan – malarial (an antigen shared by Plasmodium species causing human malaria) in venous and capillary whole blood specimens.

Contraindications: This test has not been established for monitoring the treatment of malaria. Residual plasmodium antigen may be detected for several days following the elimination of the parasite by anti-malaria treatment.

This test is not intended for use in screening asymptomatic populations.

References:

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