
Lab Dept: Hematology

Test Name: HEMOGLOBIN S, QUANTITATIVE

General Information

Lab Order Codes: HGBS

Synonyms: Sickle cell screen, rapid

CPT Codes: 83021 – Hemoglobin fractionation and quantitation; chromatography (e.g., A₂, S, C and/or F)

Test Includes: Hemoglobin S reported as positive or negative.

Logistics

Test Indications: Useful for monitoring therapy for sickle-cell disease.

Lab Testing Sections: Hematology – Sendouts

Referred to: Fairview University Diagnostic Laboratories (Test HGBS)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: Performed Monday - Friday; results are reported same day

Special Instructions: N/A

Specimen

Specimen Type: Whole blood

Container: Lavender (EDTA) top tube

Draw Volume: 1 mL (Minimum: 0.5 mL) EDTA blood

Processed Volume: Same as Draw Volume

Collection: Routine venipuncture. Mix thoroughly by gentle inversion.

Special Processing: Lab Staff: **Do Not** centrifuge. Send specimen in original collection container. Store and ship at refrigerated temperatures.

Patient Preparation: None

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

Interpretive

Reference Range: Negative

Reported as positive or negative

Critical Values: N/A

Limitations: N/A

Methodology: Automated High Performance Liquid Chromatography

References: Harmening DH (1997) Clinical Hematology and Fundamentals of Hemostasis, 3rd ed

[Fairview University Diagnostic Laboratories](#) July 2013

Updates: 11/3/2006: Test moved from Mayo Medical Laboratories to Fairview.