
Lab Dept: Hematology

Test Name: HEMOGLOBIN

General Information

Lab Order Codes: HGB

Synonyms: Hgb; Hb

CPT Codes: 85018 – Blood count; hemoglobin

Test Includes: Hemoglobin reported in g/dL.

Logistics

Test Indications: Useful for evaluating anemia, blood loss, hemolysis, polycythemia, and other diseases of hematopoiesis.

Lab Testing Sections: Hematology

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 4 hours

Special Instructions: N/A

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

Stability: Optimal when run within in 4 hours of collection.
Stable for 24 hours at room temperature.
Stable for 36 hours at 2 – 8 degrees C.

Collection:	Fill to mark on tube or Microtainer®. Mix thoroughly by gentle inversions.
Special Processing:	Lab Staff: Do Not centrifuge. Process as whole blood.
Patient Preparation:	None
Sample Rejection:	Improper tube; clotted sample; underfilled tube; overfilled tube; mislabeled or unlabeled specimen

Interpretive

Reference Range:	Age and sex dependent, see CBC Reference Value Table
Critical Values:	<7.0 g/dL
Limitations:	Characteristics that may affect results include: lipemia (or patients receiving lipids), icterus and cold agglutinins. Hyperlipemic plasma or WBC >100,000/mm ³ may falsely elevate the hemoglobin result which may delay the turnaround time.
Methodology:	Cyanmethemoglobin - Automated Cell Counter Harmening DH (1997) Clinical Hematology and Fundamentals of Hemostasis, 3rd ed
References:	Oski and Nathan (1998) Hematology of Infancy and Childhood, 5 th ed
Updates:	2/17/2005: Critical values previously listed as 0-7 day: <11.5 g/dL, 8-28 days: <10.0 g/dL, >28 days: <8.0 g/dL. 9/26/2018: Update to lipemic specimen info.