
Lab Dept: Hematology

Test Name: CBC, PLATELET, WITHOUT DIFFERENTIAL

General Information

Lab Order Codes: ABC

Synonyms: Hemogram; Blood Cell Count; Automated Cell Count; CBC and Platelet Count

CPT Codes: 85027 – Hemogram and platelet, automated

Test Includes: WBC, RBC, Hct, Hgb, MCV, MCH, MCHC, RDW, Platelet Count, MPV

Logistics

Test Indications: Useful as a screen for the evaluation of anemia, leukemia, reaction to inflammation and infection, state of hydration, and dehydration, polycythemia, hemolytic disease of the newborn, and ABO incompatibilities.

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: **Do Not** collect specimen while lipids are being infused.

Optimally, specimen should arrive in the lab within 4 hours of collection. Specimens can be stored at room temperature up to 24 hours.

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: Minimum: 0.5 mL blood

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: Routine venipuncture or blood collection

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

Patient Preparation: None

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

Interpretive

Reference Range: Age and Sex Dependent; [Refer to CBC Reference Value Table](#)

Critical Values:

Test Name:	Value	Hem/Onc Clinics
Hematocrit:	<21% or >65%	None
Hemoglobin:	<7 gm/dL	<5.0 gm/dL
Platelets:	<50,000 or >1,000,000	<5,000
WBC:	Newborn: <5,000 or >35,000	None
	Others: <2,000 or >25,000	None

Limitations: Lipemia, elevated WBC and cold agglutinins will prolong the turn around time of an occasional specimen.

Methodology: Automated Cell Counter

References: Nathan DG, et al (1987) Hematology of Infancy and Childhood, WB Saunders pp1680, 1688

Normal Reference Range Study (1994) Children's Hospitals and Clinics, Minneapolis and St Paul, MN, Hematology Laboratory