

# Hemolytic Anemias Testing

[Click here for topics associated with this algorithm](#)

Abbreviations	
aHUS	Atypical hemolytic uremic syndrome
DIC	Disseminated intravascular coagulation
LDH	Lactate dehydrogenase
HHA	Hereditary hemolytic anemia
HELLP	Hemolysis, elevated liver enzymes, low platelet count
HPLC	High-performance liquid chromatography
HUS	Hemolytic uremic syndrome
PCH	Paroxysmal cold hemoglobinuria
PNH	Paroxysmal nocturnal hemoglobinuria
RBC	Red blood cell
TMA	Thrombotic microangiopathy
TTP	Thrombotic thrombocytopenic purpura
WBC	White blood cell

**INDICATIONS FOR TESTING**  
Anemia and evidence of hemolysis

- ORDER**
- [CBC with Platelet Count and Automated Differential](#)
  - [Reticulocytes, Percent and Number](#)
  - [Lactate Dehydrogenase, Serum or Plasma](#)
  - [Haptoglobin](#)
  - [Bilirubin, Total, Serum or Plasma](#)

Presence of the following may provide clues to the etiology of the anemia:

- Increased reticulocyte count, LDH, bilirubin
- Decreased haptoglobin
- Abnormal peripheral smear (eg, polychromasia, spherocytes, schistocytes, sickle cells, stomatocytes, Heinz bodies, basophilic stippling, unusual RBC inclusions, and agglutination)

Note: Lack of any of the above does not rule out hemolytic anemia

Consider [Hereditary Hemolytic Anemia Cascade](#) if HHA is suspected (eg, thalassemias, hereditary spherocytosis, G6PD deficiency)

