Lab Dept:	**Hematology**
Test Name:	**MORPHOLOGY**

General Information

Lab Order Codes:	MORPH
Synonyms:	Peripheral blood smear; Morphology-Pathology
CPT Codes:	85060 – Blood smear, peripheral, interpretation by physician with written report The following will be added based on protocol for appropriate morphology evaluation 85023 – Hemogram and platelet count, automated, and manual differential WBC count (CBC) OR 85025 – Hemogram and platelet count, automated, and automated complete differential WBC count (CBC) AND 85045 – Reticulocyte , automated
Test Includes:	Preparation and review of peripheral blood smears.

Logistics

Test Indications:	Useful for evaluation of RBC, WBC, and platelet morphology.
Lab Testing Sections:	Hematology
Phone Numbers:	MIN Lab: 612-813-6280 STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	1 - 5 days
Special Instructions:	Order a Complete Blood Count (CBC) with Differential and Reticulocte Count at the same time (additional charge). Patient's diagnosis with a brief clinical history, including drugs the patient is receiving or has recently received, transfusion history, etc., are requested to facilitate interpretation.

Specimen

Specimen Type:	Whole blood
Container:	Lavender (EDTA) top tube or 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. Process as whole blood.
Patient Preparation:	None
Sample Rejection:	Improper tube; clotted sample; underfilled tube; overfilled tube; mislabeled or unlabeled tubes

Interpretive

Reference Range:	Interpretive report
Critical Values:	Presence of Blasts; however, if the presence of Blasts has been reported within the last 30 days no notification is necessary.
Limitations:	N/A
Methodology:	Light Microscopy
References:	Harmening (1997) Clinical Hematology and Fundamentals of Hemostasis, 3rd ed Oski and Nathan (1998) Hematology of Infancy and Childhood, 5th ed
Updates:	3/21/2011: Critical value statement for Blasts previously listed as “Presence of Blasts”. Qualifying statement added.