Lab Dept:	**Hematology**
Test Name:	**ESR**

General Information

Lab Order Codes:	ESR
Synonyms:	Sedimentation Rate; Sed Rate; Erythrocyte Sedimentation Rate
CPT Codes:	85652 – Sedimentation Rate, erythrocyte, automated
Test Includes:	Erythrocyte sedimentation rate reported as mm/hr.

Logistics

Test Indications:	Helps to evaluate the nonspecific activity of infections, inflammatory states, autoimmune disorders, and plasma cell dyscrasias; in particular to assess severity of and follow clinical activity of rheumatic diseases, especially rheumatoid arthritis.
Lab Testing Sections:	Hematology
Phone Numbers:	MIN Lab: 612-813-6280
	STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	1 hour
Special Instructions:	N/A

Specimen

Specimen Type:	Whole blood
Container:	Lavender (EDTA) top tube
Draw Volume:	2 mL blood
Processed Volume:	Same as Draw Volume
Collection:	Fill to mark on tube. Mix thoroughly by gentle inversion.
Special Processing:	Lab Staff: **Do Not** centrifuge

Patient Preparation: None

Sample Rejection: Improper tube; clotted sample; underfilled tube; mislabeled or unlabeled specimens; EDTA samples at room temperature >4 hours; EDTA samples refrigerated longer than 12 hours

Interpretive

Reference Range:

Pediatrics	0 - 20 mm/hr
Adults	
Male	0 - 20 mm/hr
Female	0 - 10 mm/hr

Critical Values: None

Limitations: Anemia and paraproteinemia invalidate the results.

Methodology: Excyte 10 Instument, Clinical Data: Modified Westergren

References:

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

Excyte 10 Instrument Manual Clinical Data, Smithfield, Rhode Island 02917

Updates: 12/4/2013: Added new specimen rejection criteria based on temperature storage and age of sample. Updated Methodology.