



Laboratory Service Manual

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:

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 hour

Special Instructions: N/A

Specimen

Specimen Type: Whole blood

Container: Lavender top tube (EDTA)

Draw Volume: 2 mL blood in a 5 mL EDTA tube

Processed Volume: Same as Draw Volume

Collection: Fill to mark on tube. Mix thoroughly by gentle inversion.



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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:

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: Vesmatic: Modified Westergren

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