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

<table>
<thead>
<tr>
<th>Reference Range:</th>
<th>Pediatrics</th>
<th>0 - 20 mm/hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adults</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>0 - 20 mm/hr</td>
<td></td>
</tr>
<tr>
<td>Female</td>
<td>0 - 10 mm/hr</td>
<td></td>
</tr>
</tbody>
</table>

Critical Values: None

Limitations: Anemia and paraproteinemia invalidate the results.

Methodology: Excyte 10 Instrument, Clinical Data: Modified Westergren


Excylte 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.