Reporting Title: Protein S Activity, P
Performing Location: Rochester

Specimen Requirements:
See Coagulation Guidelines for Specimen Handling and Processing in Special Instructions.

Patient Preparation: Patient must not be receiving Coumadin.

Specimen Type: Platelet-poor plasma

Collection Container/Tube: Light-blue top (3.2% sodium citrate)
Submission Container/Tube: Plastic vial

Specimen Volume: 1 mL

Collection Instructions:
1. Centrifuge, transfer all plasma into a plastic vial, and centrifuge plasma again.
2. Aliquot plasma into a plastic vial leaving 0.25 mL in the bottom of centrifuged vial.
3. Freeze specimen immediately (no longer than 4 hours after collection) at < or = -40 degrees C, if possible.

Additional Information:
1. Double-centrifuged specimen is critical for accurate results as platelet contamination may cause spurious results.
2. Each coagulation assay requested should have its own vial.

Forms:
If not ordering electronically, complete, print, and send a Coagulation Test Request (T753) with the specimen.

<table>
<thead>
<tr>
<th>Specimen Type</th>
<th>Temperature</th>
<th>Time</th>
<th>Special Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plasma Na Cit</td>
<td>Frozen (preferred)</td>
<td>14 days</td>
<td></td>
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</tbody>
</table>

Result Codes:

<table>
<thead>
<tr>
<th>Result ID</th>
<th>Test Result Name</th>
<th>Result LOINC Value</th>
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<tbody>
<tr>
<td>S_FX</td>
<td>Protein S Activity, P</td>
<td>27822-6</td>
</tr>
</tbody>
</table>

Supplemental Report:
No

CPT Code Information:
85306

Reference Values:
Males: 65-160%

Females:
<50 years: 50-160%
> or =50 years: 65-160%

Newborn infants have normal or near-normal free protein S antigen (> or =50%), although total protein S antigen is usually below the adult reference range. There are insufficient data concerning protein S activity in normal neonates, infants, and children; but normal or near-normal activity (> or =50%) probably is present by age 3 to 6 months.