Lab Dept: Coagulation

Test Name: RAPID TEG

**General Information**

Lab Order Codes: RTEG1

Synonyms: Thromboelastograph without heparinase; Rapid TEG without heparinase; RTEG

CPT Codes: 85576 – Platelet aggregation, each agent
            85347 – Coagulation time, activated
            85384 – Fibrinogen; activity
            85390 – Fibrinolysins or coagulopathy screen, interpretation and report


**Logistics**

Test Indications: Assess hemorrhagic or thrombic risk by measuring rate of clot formation, strength and stability of clot; the effect of platelets, coagulation factors and cellular interactions.

Lab Testing Sections: Coagulation (Performed on Mpls campus)

Phone Numbers: MIN Lab: 612-813-6280

Test Availability: Daily, 24 hours

Turnaround Time: 2 hours

Special Instructions: Deliver immediately to the laboratory. Specimens MUST be walked to the laboratory and cannot be delivered via pneumatic tube. Must arrive in lab within 1 hour of collection. Indicate when specimen is drawn from a line or heparin lock.

**Specimen**

Specimen Type: Whole blood

Container: Light Blue top (Buffered Na Citrate 3.2%) tube

Draw Volume: 2.7 mL blood (in 3 mL tube)
             Minimum: 1.8 mL blood in a 2 mL tube

Processed Volume: Same as Draw Volume
**Collection:**
A clean venipuncture or line draw is essential. Mix specimen thoroughly by gentle inversion.

Patient’s with a hematocrit level >55% must have a special tube made to adjust for the hematocrit; contact laboratory for special tube

Indicate when specimen is drawn from a line or heparin lock.

**Specimens must be hand delivered to the laboratory. No pneumatic tubing of TEG specimens.**

**Special Processing:**
Lab Staff: Do Not centrifuge. Do Not freeze. Deliver to TEG workstation for immediate testing.

**Patient Preparation:**
None

**Sample Rejection:**
Improper tube; clotted sample; underfilled tubes; overfilled tubes; mislabeled or unlabeled tubes

### Interpretive

<table>
<thead>
<tr>
<th>Reference Range:</th>
<th>RTEG Test:</th>
<th>Range (all ages):</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td></td>
<td>0.3 – 0.8 minutes</td>
</tr>
<tr>
<td>K</td>
<td></td>
<td>0.5 – 2.3 minutes</td>
</tr>
<tr>
<td>Angle</td>
<td></td>
<td>64.0 – 80.0 degrees</td>
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<tr>
<td>MA</td>
<td></td>
<td>52.0 – 71.0 mm</td>
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<tr>
<td>G</td>
<td></td>
<td>5.4 – 12.2 kd/sc</td>
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<tr>
<td>LY30</td>
<td></td>
<td>0.0 – 5.0 %</td>
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</tbody>
</table>

**Critical Values:**
N/A

**Limitations:**
Use of the pneumatic tube can alter patient TEG result values.

**Methodology:**
TEG Viscoelastic Clot Assessment

**References:**
Haemonetics (2014)