Lab Dept: Coagulation

Test Name: TEG WITH HEPARINASE

General Information

Lab Order Codes: TEGH

Synonyms: Thromboelastograph with heparinase

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, maximum platelet function.

Lab Testing Section: Coagulation

Phone Numbers: MIN Lab: 612-813-6280
STP Lab: 651-220-6550

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 a 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. Specimen must arrive within 1 hour of collection. Do not send via pneumatic tube system.

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 specimens

Interpretive

<table>
<thead>
<tr>
<th>TEG Test</th>
<th>Range (all ages)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>5.0 – 10.0 minutes</td>
</tr>
<tr>
<td>K</td>
<td>1.0 – 3.0 minutes</td>
</tr>
<tr>
<td>Angle</td>
<td>53.0 – 72.0 degrees</td>
</tr>
<tr>
<td>MA</td>
<td>50.0 – 70.0 mm</td>
</tr>
<tr>
<td>G</td>
<td>4.5 – 11.0 kd/sc</td>
</tr>
<tr>
<td>LY30</td>
<td>0.0 – 8.0 %</td>
</tr>
</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)