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**Lab Dept:** Coagulation

**Test Name:** TEG WITH HEPARINASE

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***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

**Test Includes:** TEG parameters, R, K, Angle, MA, G, and LY30 evaluated with heparinase.

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***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.

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***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

<b>Processed Volume:</b>	Same as Draw Volume
<b>Collection:</b>	<p>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.</p> <p>Patient's with a hematocrit level &gt;55% must have a special tube made to adjust for the hematocrit; contact laboratory for special tube.</p> <p>Indicate when specimen is drawn from a line or heparin lock.</p> <p><b>Specimens must be hand delivered to the laboratory. No pneumatic tubing of TEG specimens.</b></p>
<b>Special Processing:</b>	Lab Staff: <b>Do Not</b> centrifuge. <b>Do Not</b> freeze. Deliver to TEG workstation for immediate testing.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Improper tube; clotted sample; underfilled tubes; overfilled tubes; mislabeled or unlabeled specimens

***Interpretive***

<b>Reference Range:</b>	<b>TEG Test:</b>	<b>Range (all ages) :</b>
	R	5.0 – 10.0 minutes
	K	1.0 – 3.0 minutes
	Angle	53.0 – 72.0 degrees
	MA	50.0 – 70.0 mm
	G	4.5 – 11.0 kd/sc
	LY30	0.0 – 8.0 %

<b>Critical Values:</b>	N/A
<b>Limitations:</b>	Use of the pneumatic tube can alter patient TEG result values.
<b>Methodology:</b>	TEG Viscoelastic Clot Assessment
<b>References:</b>	<p><a href="#">Haemonetics</a> (2014)</p> <p>Haemonetics TEG 5000 Technical Manual (2008)</p>