
Lab Dept: Coagulation

Test Name: TEG

General Information

Lab Order Codes: TEG1

Synonyms: Thromboelastograph without heparinase; TEG without 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.

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 Section: Coagulation

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 hour

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.

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

Reference Range:	TEG Test:	Range (all ages) :
	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 %

Critical Values: N/A

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

Methodology: TEG Viscoelastic Clot Assessment

References: [Haemonetics](#) (2014)
Haemonetics TEG 5000 Technical Manual (2008)