
Lab Dept: Coagulation

Test Name: TEG WITH PLATELET INHIBITION

General Information

Lab Order Codes: TEGP

Synonyms: Thromboelastograph with platelet mapping; Platelet Inhibition; Platelet Mapping

CPT Codes: 85576 x5 – Platelet aggregation, each agent
85347 x2 – Coagulation time, activated
85384 x2 – Fibrinogen; activity
85390 x2– Fibrinolysins or coagulopathy screen, interpretation and report

Test Includes: TEG parameters, AAPI (Platelet Arachidonic Acid) and AADP (Platelet Adenosine Diphosphate) reported as % Inhibition, TEG and/or TEG with heparin parameters (R, K, Angle, MA, G, LY30) will also be reported (if appropriate).

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: 7 AM – 1330 PM, 7 days a week. Must be received in lab by 1330 PM.

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 AND Green top NO GEL (LiHep or NaHep)
NOTE: Both tubes MUST be drawn together

Draw Volume: Blue top (Na Citrate) tube: 1.8 mL AND
Green top NO GEL (LiHep or NaHep) tube: 3 mL (minimum)

*** Deliver BOTH TUBES immediately to the Lab.

Specimens must be hand delivered to the laboratory. No pneumatic tubing of TEG specimens. No Gel tubes will be accepted.

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.

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)
AAPI	No reference range (% Inhibition)
ADPI	No reference range (% Inhibition)
R	1.0 – 5.0 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 %
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Critical Values: N/A

Limitations: N/A

Methodology: TEG Viscoelastic Clot Assessment

References: [Haemonetics](#) (2014)

Haemonetics TEG 5000 Technical Manual (2008)

Updates: 8/6/2014: Updated Test Availability, previously listed as Daily, 24 hours.
4/7/16: Add Green No Gel tube info.