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
Test Includes:	RTEG 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 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 froma 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

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Interpretive

Reference Range:

RTEG Test:	**Range (all ages):**
R	0.3 – 0.8 minutes
K	0.5 – 2.3 minutes
Angle	64.0 – 80.0 degrees
MA	52.0 – 71.0 mm
G	5.4 – 12.2 kd/sc
LY30	0.0 – 5.0 %

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)