

Date: _____

Ordering physician: _____

Patient Location: _____

Contact number: _____

Attach Patient Label Here

1. Testing Requested:

- TEG, Global with Heparinase (Cardiology) LAB1231236- Blue top tube
- TEG, Rapid Global with Lysis (Trauma) LAB1231237- Blue top tube
- Platelet Mapping by TEG- LAB1231235- Dark green tube- NO gel

2. Call Hematology Lab) ext 7-4230 prior to sending TEG specimens to lab to ensure an analyzer is available.

3. Collect appropriate specimens (see reverse for detailed collection information)

- Draw 5 cc waste blood in syringe or blue top and discard (do NOT reuse syringe or tube) Butterfly needles are discouraged and may affect specimen integrity- must be 21 gauge.
- Light blue top tube needed for TEG testing- Cardiac and Lysis (2.5 mL) or pediatric cases (1.8 mL) (sodium citrate). Tube must be filled exactly to the line (no more, no less).
- Dark green top tube (NO GEL) for platelet mapping only.

4. Write collection DATE and TIME on patient label or bar code label along with your initials

5. Samples can be delivered through the pneumatic tube system. If testing emergently needed, hand delivery to the lab is preferred.

Reminder:

- TEG- Global (Cardiac) and Lysis (trauma) samples are blue tops

- Platelet mapping samples are a dark green top only

TEG Specimen Collection Requirements

- Nursing, surgery, or ICU personnel must notify Hematology Lab via telephone (**ext. 7-4230**) **prior to collecting** a TEG sample
- **MUST** draw 5 cc waste prior to drawing sample from a line. Waste can be drawn in syringe or blue top tube, **BUT** do NOT reuse syringe or tube
- **MUST** use **21g needle or larger** to draw samples- ***Butterfly assemblies are discouraged as they may affect sample integrity.***
- If drawing blood for other tests use the following order of draw: Waste in Blue top, Blue, (Gold), (Lavender), and Dark Green. **MARK WASTE BLUE TOP WITH AN X.**
- **Blue top tube must be filled to the line (no more, no less) in order to perform testing.**
- **Mix immediately after collection**
- Specimen should be labeled with patient's full name, date of birth, medical record number, specimen collect date and time, and collector's initials.
- Patient label can also indicate specimen description (i.e., Pre-Op, Intra-Op, Post-Op, etc.)
- Specimens may be submitted through the pneumatic tube system but are **preferred to be hand-carried to the Hematology Department**

Standard TEG Application Notes

The TEG® Whole Blood Analyzer records the process of blood coagulation, including fibrinolysis. For ALL testing, a 3-5 mL waste tube must be collected.

Citrated Whole Blood- Minimum 2.5 mL in a blue top, 3.2% Buffered Sodium Citrate tube. Sample will need to sit for **10 minutes** before testing performed. Causes for rejection: blue top not filled, sample clotted, gross hemolysis

Platelet Mapping Application Notes

The Platelet Mapping™ Assay is used with the TEG® analyzer to assess platelet function in patients who have received platelet inhibition drugs, such as aspirin, clopidogrel (Plavix), abciximab (ReoPro), tirofiban (Aggrastat), or eptifibatide (Integrilin), or other anti-platelet medications. Two specimens are required for platelet mapping test:

Specimen: Heparinized Whole Blood (x2)

Minimum 5 mL in a **dark green top** heparin tube. (**NO GEL**)

Causes for rejection: clotted, gross hemolysis