**TITLE: Instrument Correlation Protocol for Tegs**

**PRINCIPLE:**

Because test results can be different for different instruments, it is important to run correlation studies on all instruments that may be used for a particular analyte to ensure similar results.

#  CLINICAL SIGNIFICANCE:

**Personnel:** Medical Technologists and Technicians

**Sample:**

Patient Preparation: No patient preparation necessary.

Type of Specimen: Commercial Teg QC material

Handling Precautions: Handle the same as clinical specimens

## REAGENTS AND EQUIPMENT:

### Materials provided

* 1 vials (1 mL each reconstituted) of Level I and Level II lyophilized control (animal citrated plasma).
* 1 vial (1 mL each) of diluent water.
* 1 vial (1 mL) of 0.2 M calcium chloride

**Reagent Preparation**

1. Allow the control vial(s) to reach room temperature.
2. Make sure the control is on the bottom of the vial. You may need to tap the vial a few times.
3. Remove the cap of the lyophilized control.
4. Into one vial of Level I and one vial of Level II lyophilized control slowly pour 1 vial of diluent water (1 mL), provided. Make sure no water drips out.
5. Screw the cap back on to the vial of the control.
6. Shake the vial vigorously and then let it stand for 5 minutes at room temperature.
7. Shake the vial vigorously and let stand for 5 more minutes.
8. DO NOT INVERT OR SHAKE BEFORE USE. May cause bubbles that will affect your results.

**Reagent Storage**

 Each reconstituted control is viable for 2 hours at room temperature.

 Storage temperature: 2°C - 8°C, unopened vials stable to expiration date.

**Other Material**

* TEG Hemostasis Analyzer attached to a computer running TEG Analytical Software (Source: Haemoscope).
* Plain disposal cups and pins (Source: Haemoscope).
* 20ul pipette
* 340ul pipette

### CALIBRATION: None Indicated

## QUALITY CONTROL: None Indicated

**STEPWISE PROCEDURE:**

1. Corralation studies are on-going. Each TEG instrument has controls run once a week. These samples are used for correlation analysis.
2. These control results are automatically entered into the TEG onboard Quality Control Program. (See Example)
3. After correlation sample testing is completed, the results can be analyzed by using the Onboard TEG Quality Control Program. (See example)
4. Examine the results between the two analyzers on the TEG Analyzer QC Summary Report. For each range value, each parameter should maintain a range of less than 10 SD.
5. If you experience problems with correlation sample testing, result recording, or if you have assay results that do not exhibit acceptable correlation, contact the Senior Technologist for additional assistance.

### REPORTING AND INTERPRETING RESULTS:

 None indicated

## PROCEDURAL NOTES:

 None

**REFERENCE:**

1. Haemoscope

 6231 W Howard Street

 Niles, IL 60714 USA

[www.haemonetics.com](http://www.haemonetics.com)

2. CAP All Common Checklist, 04.21.2014

s/Blood Bank/Teg/4840-TEG-105/ch9/23/15