

## TEG6s Quick Guide

**Viewing TEG6s results** – Anesthesia can open TEG Manager (access in Citrix Workspace with your SCH network username and password); other teams view in Epic Results Review.

**Collection instructions: Ensure complete filling of citrate tube.** Incomplete filling may result in prolonged clotting times.

### Assay Interpretation:

Test	Parameter	Interpretation Consideration
CK	↑R	↓ Coagulation Factors / Heparin*
CKH	$R_{CK} > R_{CKH}$	Heparin Effect**
CFF(H)	↓MA	↓ Fibrinogen
CRT(H)	↓MA	↓ Platelet / Fibrinogen***
CKH	↑LY30	Hyperfibrinolysis

\* Heparin at sufficiently high concentrations.

\*\* In the presence of heparin ( $R_{CK} > R_{CKH}$ ), refer to  $R_{CKH}$  for coagulation factor activity.

\*\*\* In conjunction with  $MA_{CFF(H)}$ , contribution of fibrin and platelets can be determined.

### Potential Confounding Factors:

- **Hematocrit:** Results show inverse relationship with HCT. With low HCT, results may indicate falsely high coagulation factors and fibrinogen levels. With high HCT, results may show falsely low coagulation factors and fibrinogen levels. (PMID: [36661453](#), [39606632](#))
- **Transient inflammatory mediators** can falsely elevate CK-R and CKH-R.
- Drug-specific assays (e.g., unfractionated heparin activity or bivalirudin level) should be used when applicable for anticoagulation monitoring.

Assay	Reagents	Test Results	Reference Range
Citrated Kaolin (CK)	Kaolin CaCl <sub>2</sub>	CK-R CK-MA	3.7 - 9.3 minutes 49.8 - 71.3 mm
Citrated Kaolin w/Heparinase (CKH)	Heparinase Kaolin CaCl <sub>2</sub>	CKH-R CKH-LY30	3.6 - 9.2 min 0 - 4.7 %
Citrated RapidTEG w/Heparinase (CRTH)	Heparinase Tissue Factor Kaolin CaCl <sub>2</sub>	CRTH-MA	50.4 - 71.7 mm
Citrated Functional Fibrinogen w/Heparinase (CFFH)	Heparinase Tissue Factor Abciximab CaCl <sub>2</sub>	CFFH-MA	13.3 – 32.2 mm