

Initial i-STAT ACT Competency Test

Name: _____ Operator ID: _____ Email: _____ Unit: _____

Score: _____ (Passing=80%) Evaluator: _____

- 1. ACT is a whole blood coagulation test similar to**
 - a. Prothrombin time
 - b. Partial thromboplastin time
 - c. Bleed time
- 2. The i-STAT ACT test activates the coagulation system using**
 - a. Celite
 - b. Kaolin
 - c. Thromboplastin
- 3. ACT is especially helpful when using**
 - a. Large doses of unfractionated heparin
 - b. Low doses of unfractionated heparin
 - c. Low molecular weight heparin
- 4. The i-STAT analyzer is ready to use if**
 - a. Electronic simulator run fails
 - b. Electronic simulator is not required
 - c. Battery requires charging
- 5. The specimen for ACT should be collected from the extracorporeal line**
 - a. Using anticoagulant
 - b. Without flushing the lines
 - c. Using a plastic syringe
- 6. The i-STAT ACT cartridge should be**
 - a. Allowed to come to room temperature
 - b. Handled without gloves
 - c. Squeezed in the center
- 7. On average, i-STAT ACT results are**
 - a. Equivalent to Hemochron or HMS ACT results
 - b. Not Equivalent to Hemochron or HMS ACT results
- 8. If a result is flagged with “***”, the cartridge may have been compromised and**
 - a. Testing should stop
 - b. The cartridge should be removed and reinserted
 - c. The test should be repeated with a new cartridge
- 9. After completing the surgical procedure, i-STAT ACT results should be**
 - a. Manually entered in EPIC
 - b. Uploaded to EPIC using the docking station
 - c. Erased from the i-STAT analyzer
- 10. Point-of-Care ACT assays**
 - a. Are well-standardized
 - b. Correlate precisely with heparin levels

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- c. May produce different results in different patients